

Sumitomo Drive Technologies
Always on the Move

CYCLO[®] 6000 Series

Gearmotor & Speed Reducer



Sumitomo Drive Technologies

CYCLO[®] 6000 Series

Gearmotor & Speed Reducer

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No. C2001E-6.0

No. C2001E-6

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Standard Specifications of Gearmotor

Motor

Items	Standard Specification			Standard Specification with Built-in Brake		
Capacity Range	0.1 - 55kW × 4P 15 - 55kW × 6P			0.1 - 11kW × 4P FB Brake (Non-Asbestors) 15kW × 4P CMB Brake 18.5 - 37kW × 4P ESB Brake *For 6P motor with brake, consult us.		
Enclosure	Totally enclosed fan cooled type (0.1kW × 4P totally enclosed non-ventilated)			Totally enclosed fan cooled type (0.1kW × 4P totally enclosed non-ventilated)		
Power Source	0.1 - 3.7kW:	220 - 240V 220V 380 - 420V	50Hz 60Hz 50Hz	0.1 - 3.7kW:	220 - 240V 220V 380 - 420V	50Hz 60Hz 50Hz
	5.5 - 55kW:	380 - 420V 440V	50Hz 60Hz	5.5 - 37kW:	380 - 420V 440V	50Hz 60Hz
Thermal Class	F			F		
Time Rating	Continuous rating			Continuous rating		
Terminal Box Position & Lead Wire Direction	On the left side viewed from the load side. Regarding the draw out hole direction, refer to Table below.			On the left side viewed from the load side. Regarding the draw out hole direction, refer to Table below.		
Lead Wiring	6 Wires	4P	6P	8 Wires	4P	
		0.1~3.7kW (Direct starting)	-		0.1~3.7kW (Direct starting)	
		Note: 2 5.5~55kW (λ - Δ starting available)	Note: 2 15~55kW (λ - Δ starting available)		Note: 2 5.5~37kW (λ - Δ starting available)	
Standards	According to IEC					

GEARMOTORS

How to
Select

Reducer

Items	Specifications	
Model	CYCLO 6000 Series	CYCLO 6000SK Series
Lubrication Method	Grease lubricated and oil lubricated models available	
Speed Reduction Method	Internal planetary gear mechanism with trochoidal curved tooth profile	
Direction of Output Shaft Rotation	Single reduction	Clockwise rotation
	Double reduction	Counter-clockwise rotation
	*Note that it is different from CYCLO 6000 series single reduction type	
	As observed from the load side when connected to R-U, S-V, T-W motors.	

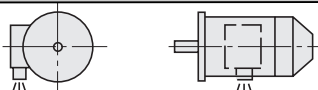
Common to Motor and Reducer

Items	Specifications
Installation location	Indoor or outdoor (Minimal dust and humidity)
Ambient Temperature	-10°C ~ 40°C
Ambient Humidity	Under 85%
Elevation	Under 1,000 meters
Atmosphere	Well ventilated location, free of corrosive gases, explosive gases, vapors and dust.
Method of Mounting Note: 3	CHHM Type : slow speed shaft in horizontal direction and with foot CHFM Type : slow speed shaft in horizontal direction and with flange (not for 6000SK Series) CVVM Type : slow speed shaft down in vertical direction and with V-flange *Models with "N" for the second nomenclature symbol (such as CNHM Type) may be mounted in any direction.
Method of Coupling with Driven Machine	Coupling, gears, chain sprocket or belt.
Painting	Type : Acrylic modified phtalic Colour : Equivalent to Munsell 6.5PB 3.6/8.2.

- Note: 1. Refer to the technical section (Page F-31~57) for motor specification other than standard one.
 2. Consult us when λ - Δ start is necessary for non-standard voltage.
 3. Models for universal mounting (types with N for the second digit of nomenclature) can be manufactured for following frame sizes only. Other frame sizes require indication for mounting direction.

[Frame sizes for universal mounting direction] *□ of the frame size indicates 0, 5, or H.
 606□, 607□, 608□, 609□, 610□, 611□, 612□,
 606□DA, 607□DA, 608□DA, 609□DA, 610□DA, 612□DA, 612□DB

Direction of Withdrawing Lead Wire

Main frame mounting direction	Standard
Horizontal Type (Slow speed shaft in horizontal direction)	
Vertical Type (Slow speed shaft in vertical direction)	

Note: Whenever not specified, the above direction shall be used. When the direction of withdrawal from the terminal box is other than specified above, refer to Page F-34.

Selection of Load Factor

The Load Factor is rated for the characteristics of the driven machine.

The tabulated ratings are based on a running time of 10 hours per day with uniform load.

For your reference, please see method (1) and (2) shown below.

(1) Recommended Load Factor by the Driven Application.

[Load Factor] U: Uniform load M: Moderate shock H: Heavy shock

Table B-1 Reducer Load Factor

Daily duty	~3 hours/day			~10 hours/day			~24 hours/day		
	U	M	H	U	M	H	U	M	H
Load Factor	0.80	1.00	1.35	1.00	1.20	1.50	1.50	1.35	1.60

Table B-2 Recommended Load Classifications

Type of APPLICATION	Type of LOAD	Type of APPLICATION	Type of LOAD	Type of APPLICATION	Type of LOAD	Type of APPLICATION	Type of LOAD
*Aerator		Elevators		slab conveyor	H	suction roll	U
Agitators		bucket - uniform load	U	small waste-conveyor-belt	U	washers & thickeners	M
pure liquids	U	bucket - heavy load	M	small waste-conveyor-chain	M	winders	U
liquids & solids	M	bucket - cont.	U	sorting table	M		
liquids-variable density	M	centrifugal discharge	U	tipple hoist conveyor	M	*Printing Presses	
Blowers		escalators	U	tipple hoist drive	M	Pullers	
centrifugal	U	freight	M	transfer conveyors	M	barge haul	H
lobe	M	gravity discharge	U	transfer rolls	M	Pumps	
vane	U	*man lifts	M	tray drive	M	centrifugal	U
Brewing & Distilling		*passenger	M	trimmer feed	M	proportioning	M
bottling machinery	U	**Extruders(Plastics)		waste conveyor	M	reciprocating single acting, 3 or more cylinders	M
brew kettles, cont. duty	U	blow molders	M			double acting, 2 or more cylinders	M
cookers-cont. duty	U	coating	U	Machine Tools		*single acting, 1 or 2 cylinders	M
mash tubs-cont. duty	U	film	U	bending roll	M	*double acting, single cylinder	U
scale hopper, frequent starts	M	pipe	U	punch press-gear driven	H	rotary-gear type	U
Can Filling Machines	U	pre-plasticizers	M	*notching press-belt driven	M	rotary-lobe, vane	U
*Cane Knives	M	rods	U	plate planers	H	Rubber & Plastics Industries	
Car Dumpers	H	sheet	U	tapping machine	H	*crackers	H
Car Pullers	M	tubing	U	other machine tools		laboratory equipment	M
Clarifiers	U	Fans		main drives	M	mixing mills	H
Classifiers	M	centrifugal	U	auxiliary drives	U	**refiners	M
Clay Working Machinery		*cooling towers	U	Metal Mills		**rubber calendars	M
brick press	H	induced draft	U	draw bench carriage & main drive	M	**rubber mill(2 on line)	M
briquette machine	H	*forced draft	M	forming machines	H	**rubber mill(3 on line)	U
clay working machinery	M	induced draft	M	*pinch, dryer & scrubber rolls, reversing	M	**sheeter	M
pug mill	M	large(mine, etc.)	M	slitters	M	*tire building machines	U
Compressors		large(industrial)	M	table conveyors-non-reversing group drives	M	*tire & tube press openers	M
centrifugal	U	light(small diameter)	U	individual drives	H	**tubers & strainers	M
lobe	M	Feeders		*table conveyors-reversing	M	**warning mills	M
reciprocating, multi-cylinder	M	apron	M	wire drawing & flattening machine	M	Sand Muller	M
reciprocating, single-cylinder	H	belt	M	wire winding machine	M	Screeners	
Conveyors-Uniformly Loaded or Fed		disc	U	Mills, Rotary Type		air washing	U
apron	U	reciprocating	H	**ball	M	rotary-stone or gravel	M
assembly	U	screw	M	*cement kilns	M	traveling water intake	U
belt	U	Food industry		*dryers & coolers	M	Sewage Disposal Equipment	
bucket	U	beet slicer	M	kilns	M	bar screens	U
chain	U	cereal cooker	U	**pebble	M	chemical feeders	U
flight	U	dough mixer	M	**rod, plain & wedge bar	M	collectors, circuline or straightline	U
oven	U	meat grinders	M	tumbling barrels	H	dewatering screws	M
screw	U	Generators(not welding)	U	Mixers		grit collectors	U
Conveyors-Heavy Duty Not Uniformly Fed		Hammer mills	H	concrete mixers, cont.	M	scum breakers	M
apron	M	Hoists		concrete mixers, intermittent	M	slow or rapid mixers	M
assembly	M	heavy duty	H	constant density	U	sludge collectors	U
belt	M	medium duty	M	variable density	M	thickeners	M
bucket	M	skip hoist	M	Oil Industry		vacuum filters	M
chain	M	Laundry Washers		chillers	M	Slab Pushers	M
flight	M	reversing	M	*oil well pumping	M	*Steering Gear	
*live roll	U	Laundry Tumblers	M	paraffin filter press	M	Stokers	U
oven	M	Line Shaft		rotary kilns	M	Sugar Industry	
reciprocating	H	driving processing equipment	M	Paper Mills		*cane knives	M
screw	M	light	U	agitators(mixers)	M	*crushers	M
shaker	M	other line shafts	U	barker-auxiliaries-hydraulic	M	*mills	H
Cranes(Except for Dry Dock Cranes)		Lumber Industry		barker-mechanical	M	Textile Industry	
main hoists	U	barkers-hydraulic	H	barking drum	H	batchers	M
*bridge travel	U	mechanical	H	beater & pulper	U	calendars	M
*trolley travel	U	burner conveyor	M	bleacher	M	cards	M
Crusher		chain saw & drag saw	H	calendars	M	dry cans	M
ore	H	chain transfer	H	calendars-super	H	dryers	M
stone	H	craneway transfer	H	converting machine, except cutters, platers	M	dyeing machinery	M
*sugar	M	de-barking drum	H	conveyors	U	*knitting machines	M
Dredges		edger feed	M	couch	M	looms	M
cable reels	M	gang feed	H	cutters-platers	H	mangles	M
conveyors	M	green chain	M	cylinders	M	nappers	M
cutter head drives	H	live rolls	H	dryers	M	pads	M
jig drives	H	log haul-locline	H	Paper Mills		*range drives	M
maneuvering winches	M	log haul-well type	H	felt stretcher	M	slashers	M
pumps	M	log turning device	H	felt whipper	H	soapers	M
screen drive	H	main log conveyor	H	jordsans	H	spinners	M
stackers	M	off bearing rolls	M	log haul	H	tenter frames	M
utility winches	M	planer feed chains	M	presses	U	washers	M
*Dry Dock Cranes		planer floor chains	M	pulp machine reel	M	winders	M
		planer tilting hoist	M	stock chests	M	*Windlass	
		re-saw merry- go-round conveyor	M				
		roll cases	H				

Remarks: * Refer to factory.

** To be selected on basis of 24hr. service only.

Note: Table above contains reference value. Names and mechanical characteristics of the actual machine may differ from the table above.

Selection of Load Factor

(2) Recommended Load Factor Modifications for Frequent Start-Stop Operation

Please see table B-3 and B-4.

Table B-3 Number of Starts-Stops and Load Factor

Number of starts-stops (times/hour)	~3 hours/day			~10 hours/day			~24 hours/day		
	I	II	III	I	II	III	I	II	III
~10	0.80	1.00	1.20	1.00	1.10	1.35	1.20	1.25	1.50
~200	0.85	1.10	1.30	1.10	1.30	1.50	1.25	1.50	1.65
~500	0.90	1.20	1.40	1.15	1.45	1.60	1.30	1.60	1.75

The ratio of Moment of Inertia (The ratio of GD^2) = $\frac{\text{Total Moment of Inertia (GD}^2\text{) as seen from the motor shaft}}{\text{Moment of Inertia (GD}^2\text{) of motor}}$

Load Factor 1: Allowable ratio of Moment of Inertia (GD^2) ≤ 0.3
 2: Allowable ratio of Moment of Inertia (GD^2) ≤ 3
 3: Allowable ratio of Moment of Inertia (GD^2) ≤ 10

Note: 1. The number of starts-stops includes brake or clutch operation times.
 2. Consult us when starting under loaded conditions.
 3. Consult us when start-stop frequency exceeds 500 times/hour. Brake for high frequency use may be necessary.

Table B-4 MOTOR THERMAL RATING (C × Z)

Motor Power kW	Allowable C × Z				Motor moment of inertia kg·m ²		Motor GD ² kgf·m ²	
	(35%ED)	(35%ED~50%ED)	(50%ED~80%ED)	(80%ED~100%ED)	Standard	With brake	Standard	With brake
0.1	3200	3000	2000	1200	0.00033	0.00035	0.0013	0.0014
0.2	2200	2800	2800	2500	0.00050	0.00055	0.002	0.0022
0.25	2200	2800	2800	2500	0.00050	0.00055	0.002	0.0022
0.4	1800	2200	1500	1500	0.00065	0.00068	0.0026	0.0027
0.55	1800	2200	1500	1500	0.00101	0.00111	0.00405	0.00445
0.75	1400	1400	800	500	0.00120	0.00130	0.0048	0.0052
1.1	1400	1400	800	500	0.00185	0.00208	0.0074	0.0083
1.5	1200	1200	500	400	0.00213	0.00235	0.0085	0.0094
2.2	1000	900	400	200	0.00333	0.00373	0.0133	0.0149
3.0	1000	900	400	200	0.00700	0.00810	0.0281	0.0325
3.7	800	800	800	700	0.00848	0.00958	0.0339	0.0383
5.5	300	300	200	150	0.01143	0.01253	0.0457	0.0501
7.5	400	350	300	300	0.02675	0.03025	0.1070	0.121
11	200	200	150	150	0.03750	0.04100	0.1500	0.164

C × Z calculated by below steps (1) ~ (3) must be less than allowable C × Z listed in Table B-4.

(1) Calculate C from formula below.

[SI units] $C = \frac{J_M + J_L}{J_M}$

J_M ; Moment of inertia of motor (kg·m²)
 J_L ; Total moment of inertia (excluding motor) at motor shaft (kg·m²)

[Gravitational units] $C = \frac{GD_M^2 + GD_L^2}{GD_M^2}$

GD_M^2 ; GD^2 of motor (kgf·m²)
 GD_L^2 ; Total GD^2 (excluding motor) at motor shaft (kgf·m²)

Continues to the next page.

Nomenclature

Slow Speed Shaft Direction	
Horizontal, slow speed shaft level	H
Vertical, slow speed shaft down	V
Vertically, slow speed shaft up	W
Universal mounting	N

Mounting style	
Foot	H
V flange	V
Flange	F

Type of Input	
Gearmotor	M
With adaptor	JM

Special Specifications	
Standard specification	blank
Special specification	S

Motor Capacity Symbol

	Capacity symbol	01	02	03	05	08	1
4P	kW (HP)	0.1 (1/8)	0.2 (1/4)	0.25 (1/3)	0.4 (1/2)	0.55 (3/4)	0.75 (1)
	Capacity symbol	1H	2	3	4	5	8
	kW (HP)	1.1 (1.5)	1.5 (2)	2.2 (3)	3.0 (4)	3.7 (5)	5.5 (7.5)
	Capacity symbol	10	15	20	25	30	40
	kW (HP)	7.5 (10)	11 (15)	15 (20)	18.5 (25)	22 (30)	30 (40)
	Capacity symbol	50	60	75	100		
6P	kW (HP)	37 (50)	45 (60)	55 (75)	75 (100)		
	Capacity symbol	016	026	036	056	086	16
	kW (HP)	0.1 (1/8)	0.2 (1/4)	0.25 (1/3)	0.4 (1/2)	0.55 (3/4)	0.75 (1)
	Capacity symbol	1H6	26	36	46	56	86
	kW (HP)	1.1 (1.5)	1.5 (2)	2.2 (3)	3.0 (4)	3.7 (5)	5.5 (7.5)
	Capacity symbol	106	156	206	256	306	406
	kW (HP)	7.5 (10)	11 (15)	15 (20)	18.5 (25)	22 (30)	30 (40)
	Capacity symbol	506	606	756	1006	1256	1506
	kW (HP)	37 (50)	45 (60)	55 (75)	75 (100)	90 (125)	110 (150)
	Capacity symbol	1756					
	kW (HP)	132 (175)					

Shaft specification

Metric JIS (Standard)	-
Inch size	Y
Metric DIN	G

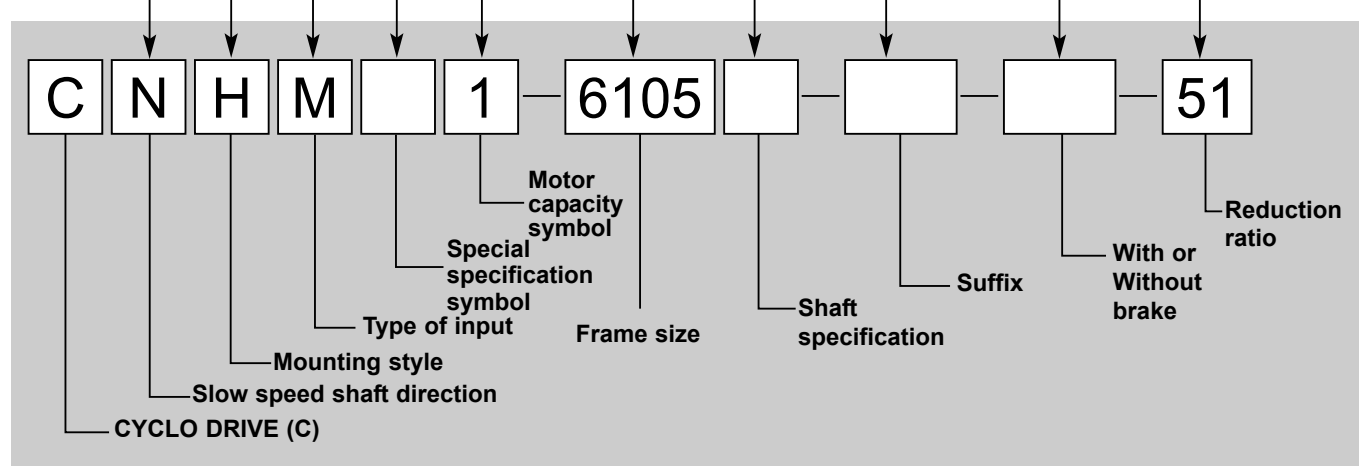
Suffix

Standard	-	Low Backlash	LB
Light Heavy Radial R1		With AF (inverter) motor	AV
High Cap. Brg. Ductile Casing R2		Servo Motor	SV
Baseplate BP		DC Motor	DV
HH Type Ceiling H1		High Efficiency Motor	ES
Modification Left Wall H2		Torque Limiter	TL
Modification Right Wall H3			

With or Without Brake

Without brake	-
With brake	B

Nominal ratio



Nomenclature and Product Examples

Nomenclature Examples (Gearmotor)

Example 1. CNHM2 - 6115 - 29

C:	Model	- CYCLO® DRIVE
N:	Slow speed shaft direction	- Universal direction
H:	Mounting style	- Foot
M:	Type of input	- Gearmotor type
2:	Motor capacity	- 1.5kW
6115:	Frame size	- 6115
29:	Reduction ratio	- 29

Example 2. CVVM5 - 6195DA - B - 377

C:	Model	- CYCLO® DRIVE
V:	Slow speed shaft direction	- Vertical mounting
V:	Mounting style	- V flange
M:	Type of input	- Gearmotor type
5:	Motor capacity	- 3.7kW
6195DA:	Frame size	- 6115
B:	Brake	- With brake
377:	Reduction ratio	- 377

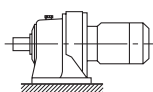
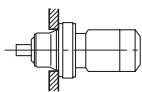
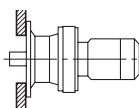
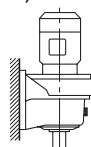
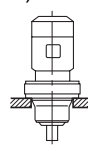
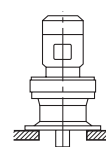
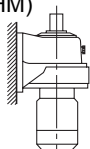
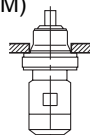
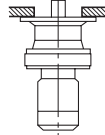
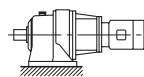
GEARMOTORS

How to
Select

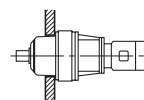
Product and Nomenclature Symbol Examples (Gearmotor)

Standard and various application products of CYCLO® GEARMOTOR are classified by their nomenclature symbol as below. Refer to specific catalogs or consult us for details on our application products.

CYCLO® GEARMOTORS

CHHM
(CNHM)CHFM
(CNFM)CHVM
(CNVM)CVHM
(CNHM)CVFM
(CNFM)CVVM
(CNVM)CWHM
(CNHM)CWFM
(CNFM)CWVM
(CNVM)CHHJM
(CNHJM)

With Adaptor

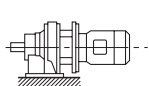
CHFJM
(CNFJM)

With Adaptor

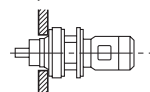
CVVJM
(CNVJM)

With Adaptor

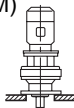
CYCLO® GEARMOTOR Application Products

CHHXM
(CNHXM)

Input Side Hollow Shaft

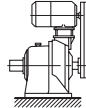
CHFXM
(CNFXM)

Input Side Hollow Shaft

CVVXM
(CNVXM)

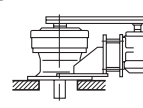
Input Side Hollow Shaft

CHHPM



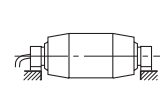
Top Mount Type

CVVPM



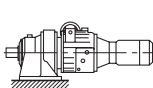
Side Mount Type

CPM



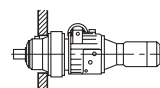
Cyclo Motor Pulley

CHHBM



Beier Cyclo Variator

CHFBM



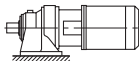
Beier Cyclo Variator

CVVBM



Beier Cyclo Variator

CHHCM

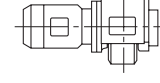
Cyclo Pack
with Clutch Brake

C11WM



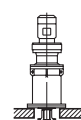
Cyclo Capstan

C10CM

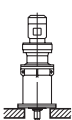


Cyclo Wheel

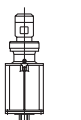
C14VM

Vertical Special
Base Mount

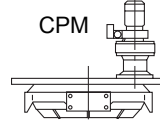
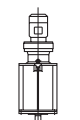
C15VM



C17VM

Vertical Special
Base Mount

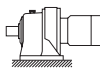
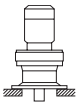
C18VM

CPM
Center Post Type

B CYCLO® GEAR MOTORS

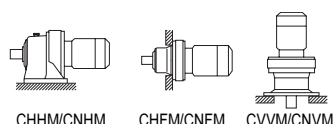
2. Selection Tables

Selection Tables Gearmotors

0.1 kW		n ₁ : Motor Speed																		
		Hz		50Hz				60Hz												
		P		4		6		4		6										
		n ₁	r/min	1450		980		1750		1165										
50Hz						60Hz						Nomenclature			Page of Dimension Sheet					
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM			
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM			
242	3.75	0.383	804	82.0	2.00	292	3.11	0.317	756	77.1	2.00	01 -	6060	- 6	B-100	B-116	B-135			
			804	82.0	2.86				756	77.1	2.86	01 -	6065	- 6	B-100	B-116	B-135			
181	5.01	0.510	921	94	2.00	219	4.15	0.423	866	88	2.00	01 -	6060	- 8	B-100	B-116	B-135			
			921	94	2.86				866	88	2.86	01 -	6065	- 8	B-100	B-116	B-135			
132	6.88	0.702	1180	120	2.00	159	5.70	0.581	1180	120	2.00	01 -	6060	- 11	B-100	B-116	B-135			
			1180	120	2.86				1180	120	2.86	01 -	6065	- 11	B-100	B-116	B-135			
112	8.1	0.83	1180	120	2.00	135	6.7	0.69	1180	120	2.00	01 -	6060	- 13	B-100	B-116	B-135			
			1180	120	2.86				1180	120	2.86	01 -	6065	- 13	B-100	B-116	B-135			
96.7	9.4	0.96	1180	120	2.00	117	7.8	0.79	1180	120	2.00	01 -	6060	- 15	B-100	B-116	B-135			
			1180	120	2.86				1180	120	2.86	01 -	6065	- 15	B-100	B-116	B-135			
85.3	10.6	1.08	1180	120	2.00	103	8.8	0.90	1180	120	2.00	01 -	6060	- 17	B-100	B-116	B-135			
			1180	120	2.82				1180	120	2.86	01 -	6065	- 17	B-100	B-116	B-135			
69.0	13.1	1.34	1180	120	1.83	83.3	10.9	1.11	1180	120	2.00	01 -	6060	- 21	B-100	B-116	B-135			
			1180	120	2.28				1180	120	2.34	01 -	6065	- 21	B-100	B-116	B-135			
58.0	15.6	1.59	1180	120	1.10	70.0	13.0	1.32	1180	120	1.10	01 -	6060	- 25	B-100	B-116	B-135			
			1180	120	1.66				1180	120	1.66	01 -	6065	- 25	B-100	B-116	B-135			
			1770	180	2.30				1770	180	2.30	01 -	6070	- 25	B-100	B-116	B-135			
			1770	180	2.94				1770	180	2.94	01 -	6075	- 25	B-100	B-116	B-135			
50.0	18.1	1.85	1180	120	1.10	60.3	15.0	1.53	1180	120	1.10	01 -	6060	- 29	B-100	B-116	B-135			
			1180	120	1.65				1180	120	1.66	01 -	6065	- 29	B-100	B-116	B-135			
			1770	180	2.26				1770	180	2.26	01 -	6070	- 29	B-100	B-116	B-135			
			1770	180	2.86				1770	180	2.86	01 -	6075	- 29	B-100	B-116	B-135			
41.4	21.9	2.23	1180	120	1.10	50.0	18.1	1.85	1180	120	1.10	01 -	6060	- 35	B-100	B-116	B-135			
			1180	120	1.37				1180	120	1.43	01 -	6065	- 35	B-100	B-116	B-135			
			1770	180	2.05				1770	180	2.11	01 -	6070	- 35	B-100	B-116	B-135			
			1770	180	2.72				1770	180	2.79	01 -	6075	- 35	B-100	B-116	B-135			
			2560	261	2.90				2560	261	3.29	01 -	6080	- 35	B-100	B-116	B-135			
33.7	26.9	2.74	1180	120	1.12	40.7	22.3	2.27	1180	120	1.13	01 -	6065	- 43	B-100	B-116	B-135			
			1770	180	1.67				1770	180	1.70	01 -	6070	- 43	B-100	B-116	B-135			
			1770	180	2.23				1770	180	2.26	01 -	6075	- 43	B-100	B-116	B-135			
			2560	261	2.50				2560	261	2.50	01 -	6080	- 43	B-100	B-116	B-135			
			2560	261	2.94				2560	261	2.94	01 -	6085	- 43	B-100	B-116	B-135			
28.4	31.9	3.25	1770	180	1.00	34.3	26.4	2.70	1770	180	1.00	01 -	6070	- 51	B-100	B-116	B-135			
			1770	180	1.43				1770	180	1.43	01 -	6075	- 51	B-100	B-116	B-135			
			2560	261	1.92				2560	261	1.92	01 -	6080	- 51	B-100	B-116	B-135			
			2560	261	2.41				2560	261	2.41	01 -	6085	- 51	B-100	B-116	B-135			
24.6	36.9	3.76	1770	180	1.00	30.0	30.6	3.12	1770	180	1.00	01 -	6070	- 59	B-100	B-116	B-135			
			1770	180	1.36				1770	180	1.36	01 -	6075	- 59	B-100	B-116	B-135			
			2560	261	1.85				2560	261	1.85	01 -	6080	- 59	B-100	B-116	B-135			
			2560	261	2.34				2560	261	2.34	01 -	6085	- 59	B-100	B-116	B-135			
20.4	44.4	4.53	2560	261	1.20	24.6	36.8	3.75	2560	261	1.20	01 -	6080	- 71	B-100	B-116	B-135			
			2560	261	1.65				2560	261	1.87	01 -	6085	- 71	B-100	B-116	B-135			
			3340	340	2.52				3340	340	2.52	01 -	6090	- 71	B-100	B-116	B-135			
			3340	340	2.78				3340	340	3.01	01 -	6095	- 71	B-100	B-116	B-135			
16.7	54.4	5.55	2560	261	1.21	20.0	45.10	4.600	2560	261	1.21	01 -	6085	- 87	B-100	B-116	B-135			
			3340	340	2.11				3340	340	2.11	01 -	6090	- 87	B-100	B-116	B-135			
			3340	340	2.63				3340	340	3.01	01 -	6095	- 87	B-100	B-116	B-135			
13.9	24.0	2.45	1180	120	*1	16.8	24.0	2.45	1180	120	*1	01 -	6060DA	- 104	B-108	B-124	B-143			
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 -	6065DA	- 104	B-108	B-124	B-143			
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 -	6070DA	- 104	B-108	B-124	B-143			
			1770	180	0.97				1770	180	1.17	01 -	6075DA	- 104	B-108	B-124	B-143			
	61.6	6.28	3340	340	2.43		51.1	5.21	3340	340	2.94	01 -	6090DA	- 104	B-108	B-124	B-143			
			3340	340	2.93				3340	340	3.54	01 -	6095DA	- 104	B-108	B-124	B-143			

- Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
- Motor slippage may affect n₁ and n₂. Refer to technical data for details.
- CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
- Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
- "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



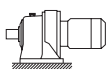
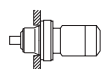
0.1 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM CHHM	CNFM CHFM	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf							
12.2	74.5	7.59	3340	340	1.25	14.7	61.7	6.29	3340	340	1.25	01 - 6090	- 119		B-100	B-116	B-135
			3340	340	1.45				3340	340	1.51	01 - 6095	- 119		B-100	B-116	B-135
12.0	24.0	2.45	1180	120	*1	14.5	24.0	2.45	1180	120	*1	01 - 6060DA	- 121		B-108	B-124	B-143
	30.0	3.06	1140	116	*1		30.0	3.06	1140	116	*1	01 - 6065DA	- 121		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 121		B-108	B-124	B-143
	50.8	5.18	1770	180	*1		50.8	5.18	1770	180	*1	01 - 6075DA	- 121		B-108	B-124	B-143
	71.7	7.31	3340	340	2.09		59.4	6.06	3340	340	2.52	01 - 6090DA	- 121		B-108	B-124	B-143
			3340	340	2.24				3340	340	2.70	01 - 6095DA	- 121		B-108	B-124	B-143
10.1	24.0	2.45	1180	120	*1	12.2	24.0	2.45	1180	120	*1	01 - 6060DA	- 143		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 143		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 143		B-108	B-124	B-143
	60.0	6.12	1770	180	*1		60.0	6.12	1770	180	*1	01 - 6075DA	- 143		B-108	B-124	B-143
			3340	340	1.77				3340	340	2.14	01 - 6090DA	- 143		B-108	B-124	B-143
	84.8	8.64	3340	340	2.16	10.6	70.2	7.16	3340	340	2.61	01 - 6095DA	- 143		B-108	B-124	B-143
			5400	550	2.95				5400	550	3.56	01 - 6100DA	- 143		B-108	B-124	B-143
8.79	24.0	2.45	1180	120	*1		24.0	2.45	1180	120	*1	01 - 6060DA	- 165		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 165		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 165		B-108	B-124	B-143
	60.0	6.12	1770	180	*1		60.0	6.12	1770	180	*1	01 - 6075DA	- 165		B-108	B-124	B-143
			3340	340	1.53				3340	340	1.85	01 - 6090DA	- 165		B-108	B-124	B-143
	97.8	9.97	3340	340	2.04	81.0	8.26	3340	340	2.47	01 - 6095DA	- 165		B-108	B-124	B-143	
			5400	550	2.56			5400	550	3.08	01 - 6100DA	- 165		B-108	B-124	B-143	
7.44	24.0	2.45	1180	120	*1	8.97	24.0	2.45	1180	120	*1	01 - 6060DA	- 195		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 195		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 195		B-108	B-124	B-143
	60.0	6.12	1770	180	*1		60.0	6.12	1770	180	*1	01 - 6075DA	- 195		B-108	B-124	B-143
			3340	340	1.30				3340	340	1.57	01 - 6090DA	- 195		B-108	B-124	B-143
	116	11.8	3340	340	1.73	7.58	95.8	9.76	3340	340	2.09	01 - 6095DA	- 195		B-108	B-124	B-143
			5400	550	2.16				5400	550	2.61	01 - 6100DA	- 195		B-108	B-124	B-143
			5400	550	2.60				5400	550	3.13	01 - 6105DA	- 195		B-108	B-124	B-143
6.28	24.0	2.45	1180	120	*1		24.0	2.45	1180	120	*1	01 - 6060DA	- 231		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 231		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 231		B-108	B-124	B-143
	60.0	6.12	1770	180	*1		60.0	6.12	1770	180	*1	01 - 6075DA	- 231		B-108	B-124	B-143
			3340	340	1.10				3340	340	1.32	01 - 6090DA	- 231		B-108	B-124	B-143
			3340	340	1.46	6.41	113	11.6	3340	340	1.76	01 - 6095DA	- 231		B-108	B-124	B-143
	137	14.0	5400	550	1.83				5400	550	2.20	01 - 6100DA	- 231		B-108	B-124	B-143
			5400	550	2.19				5400	550	2.64	01 - 6105DA	- 231		B-108	B-124	B-143
5.31	24.0	2.45	1180	120	*1		24.0	2.45	1180	120	*1	01 - 6060DA	- 273		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 273		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 273		B-108	B-124	B-143
	60.0	6.12	1770	180	*1		60.0	6.12	1770	180	*1	01 - 6075DA	- 273		B-108	B-124	B-143
			3340	340	1.24				3340	340	1.49	01 - 6095DA	- 273		B-108	B-124	B-143
	162	16.5	5400	550	1.54	6.41	134	13.7	5400	550	1.86	01 - 6100DA	- 273		B-108	B-124	B-143
			5400	550	1.85				5400	550	2.24	01 - 6105DA	- 273		B-108	B-124	B-143

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

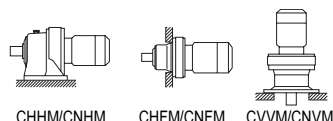
Selection Tables Gearmotors

0.1 kW		n ₁ : Motor Speed									
		Hz		50Hz		60Hz					
		P		4	6	4	6				
n ₁		r/min		1450	980	1750	1165				

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
4.55	24.0	2.45	1180	120	*1	5.49	24.0	2.45	1180	120	*1	01 - 6060DA	- 319		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 319		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 319		B-108	B-124	B-143
	60.0	6.12	1770	180	*1		60.0	6.12	1770	180	*1	01 - 6075DA	- 319		B-108	B-124	B-143
	150	15.3	3290	336	*1		150	15.3	3290	336	*1	01 - 6090DA	- 319		B-108	B-124	B-143
			3220	328	1.06				3280	334	1.28	01 - 6095DA	- 319		B-108	B-124	B-143
			5400	550	1.32				5400	550	1.60	01 - 6100DA	- 319		B-108	B-124	B-143
			5400	550	1.59				5400	550	1.91	01 - 6105DA	- 319		B-108	B-124	B-143
			9810	1000	2.75				9810	1000	3.32	01 - 6120DA	- 319		B-108	B-124	B-143
		189	19.3					157	16.0								
3.85	24.0	2.45	1180	120	*1	4.64	24.0	2.45	1180	120	*1	01 - 6060DA	- 377		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 377		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 377		B-108	B-124	B-143
	60.0	6.12	1770	180	*1		60.0	6.12	1770	180	*1	01 - 6075DA	- 377		B-108	B-124	B-143
	150	15.3	3290	336	*1		150	15.3	3290	336	*1	01 - 6090DA	- 377		B-108	B-124	B-143
			3150	321	0.89				3230	329	1.08	01 - 6095DA	- 377		B-108	B-124	B-143
			5400	550	1.12				5400	550	1.35	01 - 6100DA	- 377		B-108	B-124	B-143
			5400	550	1.34				5400	550	1.62	01 - 6105DA	- 377		B-108	B-124	B-143
	223	22.8					185	18.9									
			9810	1000	2.33				9810	1000	2.81	01 - 6120DA	- 377		B-108	B-124	B-143
3.07	24.0	2.45	1180	120	*1	3.70	24.0	2.45	1180	120	*1	01 - 6060DA	- 473		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 473		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 473		B-108	B-124	B-143
	60.0	6.12	1660	169	*1		60.0	6.12	1660	169	*1	01 - 6075DA	- 473		B-108	B-124	B-143
	150	15.3	3310	338	*1		150	15.3	3310	338	*1	01 - 6090DA	- 473		B-108	B-124	B-143
	200	20.4	3220	328	*1		200	20.4	3220	328	*1	01 - 6095DA	- 473		B-108	B-124	B-143
			5400	550	1.07				5400	550	1.29	01 - 6105DA	- 473		B-108	B-124	B-143
			9810	1000	1.87				9810	1000	2.26	01 - 6120DA	- 473		B-108	B-124	B-143
			9810	1000	2.25				9810	1000	2.71	01 - 6125DA	- 473		B-108	B-124	B-143
		280	28.6					232	23.7								
2.59	24.0	2.45	1180	120	*1	3.13	24.0	2.45	1180	120	*1	01 - 6060DA	- 559		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 559		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 559		B-108	B-124	B-143
	60.0	6.12	1660	169	*1		60.0	6.12	1660	169	*1	01 - 6075DA	- 559		B-108	B-124	B-143
	150	15.3	3310	338	*1		150	15.3	3310	338	*1	01 - 6090DA	- 559		B-108	B-124	B-143
	200	20.4	3220	328	*1		200	20.4	3220	328	*1	01 - 6095DA	- 559		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 559		B-108	B-124	B-143
			4380	446	0.91				5400	550	1.09	01 - 6105DA	- 559		B-108	B-124	B-143
			9810	1000	1.58				9810	1000	1.91	01 - 6120DA	- 559		B-108	B-124	B-143
			9810	1000	1.90				9810	1000	2.29	01 - 6125DA	- 559		B-108	B-124	B-143
2.23	45.0	4.59	1770	180	*1	2.70	45.0	4.59	1770	180	*1	01 - 6070DA	- 649		B-108	B-124	B-143
	57.4	5.85	1580	161	*1		57.4	5.85	1580	161	*1	01 - 6075DA	- 649		B-108	B-124	B-143
	146	14.9	3300	336	*1		146	14.9	3300	336	*1	01 - 6090DA	- 649		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 649		B-108	B-124	B-143
	296	30.2	5090	519	*1		296	30.2	5090	519	*1	01 - 6105DA	- 649		B-108	B-124	B-143
			9810	1000	1.36				9810	1000	1.65	01 - 6120DA	- 649		B-108	B-124	B-143
			9810	1000	1.64				9810	1000	1.98	01 - 6125DA	- 649		B-108	B-124	B-143
	385	39.2					319	32.5									
	1.98	24.0	2.45	1180	120		*1	2.39	24.0	2.45	1180	120	*1	01 - 6060DA	- 731		B-108
30.0		3.06	1180	120	*1	30.0	3.06		1180	120	*1	01 - 6065DA	- 731		B-108	B-124	B-143
45.0		4.59	1770	180	*1	45.0	4.59		1770	180	*1	01 - 6070DA	- 731		B-108	B-124	B-143
60.0		6.12	1660	169	*1	60.0	6.12		1660	169	*1	01 - 6075DA	- 731		B-108	B-124	B-143
150		15.3	3310	338	*1	150	15.3		3310	338	*1	01 - 6090DA	- 731		B-108	B-124	B-143
200		20.4	3220	328	*1	200	20.4		3220	328	*1	01 - 6095DA	- 731		B-108	B-124	B-143
			5400	550	*1				5400	550	*1	01 - 6100DA	- 731		B-108	B-124	B-143
			5400	550	*1				5400	550	*1	01 - 6105DA	- 731		B-108	B-124	B-143
			9810	1000	1.21				9810	1000	1.46	01 - 6120DA	- 731		B-108	B-124	B-143
			9810	1000	1.45				9810	1000	1.75	01 - 6125DA	- 731		B-108	B-124	B-143

- Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
- Motor slippage may affect n₁ and n₂. Refer to technical data for details.
- CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
- Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
- "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



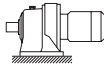
0.1 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

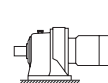
50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVMM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
1.72	24.0	2.45	1180	120	*1	2.08	24.0	2.45	1180	120	*1	01 - 6060DA	- 841		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 841		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 841		B-108	B-124	B-143
	60.0	6.12	1770	180	*1		60.0	6.12	1770	180	*1	01 - 6075DA	- 841		B-108	B-124	B-143
	150	15.3	3290	336	*1		150	15.3	3290	336	*1	01 - 6090DA	- 841		B-108	B-124	B-143
	200	20.4	3200	326	*1		200	20.4	3200	326	*1	01 - 6095DA	- 841		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 841		B-108	B-124	B-143
	300	30.6	5400	550	*1		300	30.6	5400	550	*1	01 - 6105DA	- 841		B-108	B-124	B-143
499	50.8	9810	1000	1.04		413	42.1	9810	1000	1.26	01 - 6120DA	- 841		B-108	B-124	B-143	
		9810	1000	1.26						1.53	01 - 6125DA	- 841		B-108	B-124	B-143	
1.45	45.0	4.59	1770	180	*1	1.74	45.0	4.59	1770	180	*1	01 - 6070DA	- 1003		B-108	B-124	B-143
	57.4	5.85	1580	161	*1		57.4	5.85	1580	161	*1	01 - 6075DA	- 1003		B-108	B-124	B-143
	146	14.9	3300	336	*1		146	14.9	3300	336	*1	01 - 6090DA	- 1003		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 1003		B-108	B-124	B-143
	296	30.2	5090	519	*1		296	30.2	5090	519	*1	01 - 6105DA	- 1003		B-108	B-124	B-143
595	60.6	9810	1000	1.06		493	50.2	9810	1000	1.28	01 - 6125DA	- 1003		B-108	B-124	B-143	
1.16	24.0	2.45	1180	120	*1	1.40	24.0	2.45	1180	120	*1	01 - 6060DA	- 1247		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 1247		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 1247		B-108	B-124	B-143
	60.0	6.12	1660	169	*1		60.0	6.12	1660	169	*1	01 - 6075DA	- 1247		B-108	B-124	B-143
	150	15.3	3310	338	*1		150	15.3	3310	338	*1	01 - 6090DA	- 1247		B-108	B-124	B-143
	200	20.4	3220	328	*1		200	20.4	3220	328	*1	01 - 6095DA	- 1247		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 1247		B-108	B-124	B-143
	300	30.6	5400	550	*1		300	30.6	5400	550	*1	01 - 6105DA	- 1247		B-108	B-124	B-143
525	53.5	9810	1000	*1	525	53.5	9810	1000	*1	01 - 6120DA	- 1247		B-108	B-124	B-143		
739	75.3	9810	1000	0.85		612	62.4	9810	1000	1.03	01 - 6125DA	- 1247		B-108	B-124	B-143	
0.980	150	15.3	3310	338	*1	1.18	150	15.3	3310	338	*1	01 - 6090DA	- 1479		B-108	B-124	B-143
	193	19.6	3240	330	*1		193	19.6	3240	330	*1	01 - 6095DA	- 1479		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 1479		B-108	B-124	B-143
	300	30.6	4780	488	*1		300	30.6	4780	488	*1	01 - 6105DA	- 1479		B-108	B-124	B-143
	525	53.5	9780	997	*1		525	53.5	9780	997	*1	01 - 6120DA	- 1479		B-108	B-124	B-143
630	64.2	9560	974	*1		630	64.2	9560	974	*1	01 - 6125DA	- 1479		B-108	B-124	B-143	
0.784	24.0	2.45	1180	120	*1	0.946	24.0	2.45	1180	120	*1	01 - 6060DA	- 1849		B-108	B-124	B-143
	30.0	3.06	1180	120	*1		30.0	3.06	1180	120	*1	01 - 6065DA	- 1849		B-108	B-124	B-143
	45.0	4.59	1770	180	*1		45.0	4.59	1770	180	*1	01 - 6070DA	- 1849		B-108	B-124	B-143
	60.0	6.12	1660	169	*1		60.0	6.12	1660	169	*1	01 - 6075DA	- 1849		B-108	B-124	B-143
	150	15.3	3310	338	*1		150	15.3	3310	338	*1	01 - 6090DA	- 1849		B-108	B-124	B-143
	200	20.4	3220	328	*1		200	20.4	3220	328	*1	01 - 6095DA	- 1849		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 1849		B-108	B-124	B-143
	300	30.6	5400	550	*1		300	30.6	5400	550	*1	01 - 6105DA	- 1849		B-108	B-124	B-143
525	53.5	9810	1000	*1	525	53.5	9810	1000	*1	01 - 6120DA	- 1849		B-108	B-124	B-143		
630	64.2	9810	1000	*1		630	64.2	9810	1000	*1	01 - 6125DA	- 1849		B-108	B-124	B-143	
0.702	45.0	4.59	1770	180	*1	0.847	45.0	4.59	1770	180	*1	01 - 6070DA	- 2065		B-108	B-124	B-143
	57.4	5.85	1580	161	*1		57.4	5.85	1580	161	*1	01 - 6075DA	- 2065		B-108	B-124	B-143
	146	14.9	3300	336	*1		146	14.9	3300	336	*1	01 - 6090DA	- 2065		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 2065		B-108	B-124	B-143
	296	30.2	5090	519	*1		296	30.2	5090	519	*1	01 - 6105DA	- 2065		B-108	B-124	B-143
	525	53.5	9810	1000	*1		525	53.5	9810	1000	*1	01 - 6120DA	- 2065		B-108	B-124	B-143
630	64.2	9810	1000	*1		630	64.2	9810	1000	*1	01 - 6125DA	- 2065		B-108	B-124	B-143	
0.572	45.0	4.59	1770	180	*1	0.690	45.0	4.59	1770	180	*1	01 - 6070DA	- 2537		B-108	B-124	B-143
	57.4	5.85	1580	161	*1		57.4	5.85	1580	161	*1	01 - 6075DA	- 2537		B-108	B-124	B-143
	146	14.9	3300	336	*1		146	14.9	3300	336	*1	01 - 6090DA	- 2537		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 2537		B-108	B-124	B-143
	296	30.2	5090	519	*1		296	30.2	5090	519	*1	01 - 6105DA	- 2537		B-108	B-124	B-143
	525	53.5	9810	1000	*1		525	53.5	9810	1000	*1	01 - 6120DA	- 2537		B-108	B-124	B-143
630	64.2	9810	1000	*1		630	64.2	9810	1000	*1	01 - 6125DA	- 2537		B-108	B-124	B-143	

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

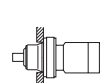
Selection Tables Gearmotors

0.1 kW						n ₁ : Motor Speed														
						Hz		50Hz		60Hz		CHHM/CNHM			CHFM/CNFM			CNVM/CVVM		
						P		4	6	4	6									
n ₁		r/min		1450	980	1750	1165													

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
0.476	150	15.3	3310	338	*1	0.575	150	15.3	3310	338	*1	01 - 6090DA	- 3045		B-108	B-124	B-143
	192	19.6	3240	330	*1		192	19.6	3240	330	*1	01 - 6095DA	- 3045		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 3045		B-108	B-124	B-143
	300	30.6	4780	488	*1		300	30.6	4780	488	*1	01 - 6105DA	- 3045		B-108	B-124	B-143
	525	53.5	9780	997	*1		525	53.5	9780	997	*1	01 - 6120DA	- 3045		B-108	B-124	B-143
	630	64.2	9560	974	*1		630	64.2	9560	974	*1	01 - 6125DA	- 3045		B-108	B-124	B-143
0.417	146	14.9	3300	336	*1	0.503	146	14.9	3300	336	*1	01 - 6090DA	- 3481		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 3481		B-108	B-124	B-143
	296	30.2	5090	519	*1		296	30.2	5090	519	*1	01 - 6105DA	- 3481		B-108	B-124	B-143
	525	53.5	9810	1000	*1		525	53.5	9810	1000	*1	01 - 6120DA	- 3481		B-108	B-124	B-143
	630	64.2	9810	1000	*1		630	64.2	9810	1000	*1	01 - 6125DA	- 3481		B-108	B-124	B-143
0.327	150	15.3	3310	338	*1	0.394	150	15.3	3310	338	*1	01 - 6090DA	- 4437		B-108	B-124	B-143
	192	19.6	3240	330	*1		192	19.6	3240	330	*1	01 - 6095DA	- 4437		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 4437		B-108	B-124	B-143
	300	30.6	4780	488	*1		300	30.6	4780	488	*1	01 - 6105DA	- 4437		B-108	B-124	B-143
	525	53.5	9780	997	*1		525	53.5	9780	997	*1	01 - 6120DA	- 4437		B-108	B-124	B-143
	630	64.2	9560	974	*1		630	64.2	9560	974	*1	01 - 6125DA	- 4437		B-108	B-124	B-143
0.282	150	15.3	3310	338	*1	0.341	150	15.3	3310	338	*1	01 - 6090DA	- 5133		B-108	B-124	B-143
	192	19.6	3240	330	*1		192	19.6	3240	330	*1	01 - 6095DA	- 5133		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 - 6100DA	- 5133		B-108	B-124	B-143
	300	30.6	4780	488	*1		300	30.6	4780	488	*1	01 - 6105DA	- 5133		B-108	B-124	B-143
	525	53.5	9780	997	*1		525	53.5	9780	997	*1	01 - 6120DA	- 5133		B-108	B-124	B-143
	630	64.2	9560	974	*1		630	64.2	9560	974	*1	01 - 6125DA	- 5133		B-108	B-124	B-143
0.235	525	53.5	9780	997	*1	0.283	525	53.5	9780	997	*1	01 - 6120DB	- 6177		B-108	B-124	B-143
	630	64.2	9560	974	*1		630	64.2	9560	974	*1	01 - 6125DB	- 6177		B-108	B-124	B-143
0.192	525	53.5	9780	997	*1	0.231	525	53.5	9780	997	*1	01 - 6120DB	- 7569		B-108	B-124	B-143
	630	64.2	9560	974	*1		630	64.2	9560	974	*1	01 - 6125DB	- 7569		B-108	B-124	B-143



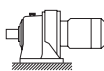
CHHM/CNHM



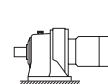
CHFM/CNFM



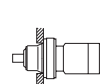
CVVM/CNVVM

0.2 kW						n ₁ : Motor Speed														
						Hz		50Hz		60Hz										
						P		4	6	4	6									
n ₁		r/min		1450	980	1750	1165													

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}	Alloable Radial Load Pro		SF	Output Speed n ₂	Output Torque T _{out}	Alloable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM		
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM		
242	7.51	0.765	798	81.4	1.00	292	6.22	0.634	751	76.6	1.00	02 - 6060	- 6	B-100	B-116	B-135	
			798	81.4	1.43				751	76.6	1.43	02 - 6065	- 6	B-100	B-116	B-135	
			1390	142	1.74				1310	134	1.74	02 - 6070	- 6	B-100	B-116	B-135	
			1390	142	2.04				1310	134	2.04	02 - 6075	- 6	B-100	B-116	B-135	
			1930	197	2.96				1820	185	2.96	02 - 6080	- 6	B-100	B-116	B-135	
181	10.0	1.02	912	93.0	1.00	219	8.29	0.846	859	87.5	1.00	02 - 6060	- 8	B-100	B-116	B-135	
			912	93	1.43				859	88	1.43	02 - 6065	- 8	B-100	B-116	B-135	
			1540	157	1.74				1450	148	1.74	02 - 6070	- 8	B-100	B-116	B-135	
			1540	157	2.04				1450	148	2.04	02 - 6075	- 8	B-100	B-116	B-135	
			2100	214	2.96				1970	201	2.96	02 - 6080	- 8	B-100	B-116	B-135	



CHHM/CNHM



CHFM/CNFM

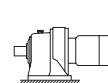


CVVM/CNVVM

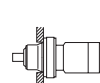
- Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
- Motor slippage may affect n₁ and n₂. Refer to technical data for details.
- CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
- Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
- "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors

0.2 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



CHHM/CNHM



CHFM/CNFM

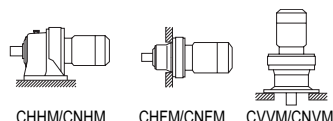


CVVM/CNVVM

50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVMM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
1.45	525	53.5	9810	1000	*1	1.74	525	53.5	9810	1000	*1	02 -	6120DA	- 1003	B-108	B-124	B-143
	630	64.2	9810	1000	*1		630	64.2	9810	1000	*1	02 -	6125DA	- 1003	B-108	B-124	B-143
	912	93.0	14700	1500	*1		912	93.0	14700	1500	*1	02 -	6130DA	- 1003	B-109	B-125	B-144
			14700	1500	0.88				14700	1500	1.07	02 -	6135DA	- 1003	B-109	B-125	B-144
	1190	121	16000	1630	1.03		985	100	16000	1630	1.24	02 -	6140DA	- 1003	B-109	B-125	B-144
			16000	1630	1.15				16000	1630	1.39	02 -	6145DA	- 1003	B-109	B-125	B-144
1.16	630	64.2	9810	1000	*1	1.40	630	64.2	9810	1000	*1	02 -	6125DA	- 1247	B-108	B-124	B-143
	780	79.5	14700	1500	*1		780	79.5	14700	1500	*1	02 -	6130DA	- 1247	B-109	B-125	B-144
	940	95.8	14700	1500	*1		940	95.8	14700	1500	*1	02 -	6135DA	- 1247	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DA	- 1247	B-109	B-125	B-144
	1480	151	15200	1540	0.93		1220	125	16000	1630	1.12	02 -	6145DA	- 1247	B-109	B-125	B-144
0.980	848	86.5	14700	1500	*1	1.18	848	86.5	14700	1500	*1	02 -	6130DA	- 1479	B-109	B-125	B-144
	979	99.8	14700	1500	*1		979	99.8	14700	1500	*1	02 -	6135DA	- 1479	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DA	- 1479	B-109	B-125	B-144
	1250	127	16000	1630	*1		1250	127	16000	1630	*1	02 -	6145DA	- 1479	B-109	B-125	B-144
0.784	780	79.5	14700	1500	*1	0.946	780	79.5	14700	1500	*1	02 -	6130DA	- 1849	B-109	B-125	B-144
	940	95.8	14700	1500	*1		940	95.8	14700	1500	*1	02 -	6135DA	- 1849	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DA	- 1849	B-109	B-125	B-144
	1370	140	15700	1600	*1		1370	140	15700	1600	*1	02 -	6145DA	- 1849	B-109	B-125	B-144
	1740	177	22100	2250	*1		1740	177	22100	2250	*1	02 -	6160DA	- 1849	B-110	B-126	B-145
0.702	912	93.0	14700	1500	*1	0.847	912	93.0	14700	1500	*1	02 -	6130DA	- 2065	B-109	B-125	B-144
	1050	107	14700	1500	*1		1050	107	14700	1500	*1	02 -	6135DA	- 2065	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DA	- 2065	B-109	B-125	B-144
	1370	140	16000	1630	*1		1370	140	16000	1630	*1	02 -	6145DA	- 2065	B-109	B-125	B-144
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	02 -	6160DA	- 2065	B-110	B-126	B-145
	2450	250	22100	2250	0.86		2030	207	22100	2250	1.04	02 -	6165DA	- 2065	B-110	B-126	B-145
0.572	912	93.0	14700	1500	*1	0.690	912	93.0	14700	1500	*1	02 -	6130DA	- 2537	B-109	B-125	B-144
	1050	107	14700	1500	*1		1050	107	14700	1500	*1	02 -	6135DA	- 2537	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DA	- 2537	B-109	B-125	B-144
	1370	140	16000	1630	*1		1370	140	16000	1630	*1	02 -	6145DA	- 2537	B-109	B-125	B-144
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	02 -	6160DA	- 2537	B-110	B-126	B-145
	2100	214	22100	2250	*1		2100	214	22100	2250	*1	02 -	6165DA	- 2537	B-110	B-126	B-145
0.476	848	86.5	14700	1500	*1	0.575	848	86.5	14700	1500	*1	02 -	6130DA	- 3045	B-109	B-125	B-144
	979	99.8	14700	1500	*1		979	99.8	14700	1500	*1	02 -	6135DA	- 3045	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DA	- 3045	B-109	B-125	B-144
	1250	127	16000	1630	*1		1250	127	16000	1630	*1	02 -	6145DA	- 3045	B-109	B-125	B-144
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	02 -	6160DA	- 3045	B-110	B-126	B-145
	2050	209	21800	2220	*1		2050	209	21800	2220	*1	02 -	6165DA	- 3045	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	02 -	6170DA	- 3045	B-110	B-126	B-145
	3610	368	29500	3010	0.87		2990	305	29500	3010	1.05	02 -	6175DA	- 3045	B-110	B-126	B-145
0.417	912	93.0	14700	1500	*1	0.503	912	93.0	14700	1500	*1	02 -	6130DA	- 3481	B-109	B-125	B-144
	1050	107	14700	1500	*1		1050	107	14700	1500	*1	02 -	6135DA	- 3481	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DA	- 3481	B-109	B-125	B-144
	1370	140	16000	1630	*1		1370	140	16000	1630	*1	02 -	6145DA	- 3481	B-109	B-125	B-144
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	02 -	6160DA	- 3481	B-110	B-126	B-145
	2100	214	22100	2250	*1		2100	214	22100	2250	*1	02 -	6165DA	- 3481	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	02 -	6170DA	- 3481	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	02 -	6175DA	- 3481	B-110	B-126	B-145

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



0.2 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

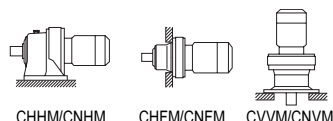
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM CHHM	CNFM CHF	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf							
0.327	848	86.5	14700	1500	*1	0.394	848	86.5	14700	1500	*1	02 -	6130DA	- 4437	B-109	B-125	B-144
	979	99.8	14700	1500	*1		979	99.8	14700	1500	*1	02 -	6135DA	- 4437	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DA	- 4437	B-109	B-125	B-144
	1250	127	16000	1630	*1		1250	127	16000	1630	*1	02 -	6145DA	- 4437	B-109	B-125	B-144
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	02 -	6160DA	- 4437	B-110	B-126	B-145
	2050	209	21800	2220	*1		2050	209	21800	2220	*1	02 -	6165DA	- 4437	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	02 -	6170DA	- 4437	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	02 -	6175DA	- 4437	B-110	B-126	B-145
0.282	848	86.5	14700	1500	*1	0.341	848	86.5	14700	1500	*1	02 -	6130DA	- 5133	B-109	B-125	B-144
	979	99.8	14700	1500	*1		979	99.8	14700	1500	*1	02 -	6135DA	- 5133	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DA	- 5133	B-109	B-125	B-144
	1250	127	16000	1630	*1		1250	127	16000	1630	*1	02 -	6145DA	- 5133	B-109	B-125	B-144
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	02 -	6160DA	- 5133	B-110	B-126	B-145
	2050	209	21800	2220	*1		2050	209	21800	2220	*1	02 -	6165DA	- 5133	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	02 -	6170DA	- 5133	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	02 -	6175DA	- 5133	B-110	B-126	B-145
0.235	848	86.5	14700	1500	*1	0.283	848	86.5	14700	1500	*1	02 -	6130DB	- 6177	B-109	B-125	B-143
	979	99.8	14700	1500	*1		979	99.8	14700	1500	*1	02 -	6135DB	- 6177	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DB	- 6177	B-109	B-125	B-144
	1250	127	16000	1630	*1		1250	127	16000	1630	*1	02 -	6145DB	- 6177	B-109	B-125	B-144
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	02 -	6160DA	- 6177	B-110	B-126	B-145
	2050	209	21800	2220	*1		2050	209	21800	2220	*1	02 -	6165DA	- 6177	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	02 -	6170DA	- 6177	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	02 -	6175DA	- 6177	B-110	B-126	B-145
0.192	848	86.5	14700	1500	*1	0.231	848	86.5	14700	1500	*1	02 -	6130DB	- 7569	B-109	B-125	B-143
	979	99.8	14700	1500	*1		979	99.8	14700	1500	*1	02 -	6135DB	- 7569	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	02 -	6140DB	- 7569	B-109	B-125	B-144
	1250	127	16000	1630	*1		1250	127	16000	1630	*1	02 -	6145DB	- 7569	B-109	B-125	B-144
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	02 -	6160DA	- 7569	B-110	B-126	B-145
	2050	209	21800	2220	*1		2050	209	21800	2220	*1	02 -	6165DA	- 7569	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	02 -	6170DA	- 7569	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	02 -	6175DA	- 7569	B-110	B-126	B-145

GEARMOTORS

Selection Tables
0.2 kW

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors



0.25 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

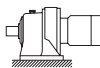
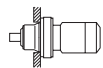
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂ r/min	Output Torque Tout N·m	kgf·m	Allowable Radial Load Pro N	kgf	SF	Output Speed n ₂ r/min	Output Torque Tout N·m	kgf·m	Allowable Radial Load Pro N	kgf	SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
20.4	111	11.3	3340	340	1.01	24.6	92	9.4	3340	340	1.01	03 -	6090	- 71	B-100	B-116	B-135
			3340	340	1.11				3340	340	1.20	03 -	6095	- 71	B-100	B-116	B-135
			5400	550	1.74				5400	550	1.74	03 -	6100	- 71	B-101	B-117	B-136
			5400	550	2.02				5400	550	2.24	03 -	6105	- 71	B-101	B-117	B-136
16.7	136	13.9	3340	340	1.05	20.1	113	11.5	3340	340	1.20	03 -	6095	- 87	B-100	B-116	B-135
			5400	550	1.73				5400	550	1.73	03 -	6100	- 87	B-101	B-117	B-136
			5400	550	2.01				5400	550	2.26	03 -	6105	- 87	B-101	B-117	B-136
13.9	154	15.7	3340	340	1.17	16.8	128	13.0	3340	340	1.42	03 -	6095DA	- 104	B-108	B-124	B-143
			5400	550	1.62				5400	550	1.72	03 -	6100DA	- 104	B-108	B-124	B-143
			5400	550	1.72				5400	550	1.72	03 -	6105DA	- 104	B-108	B-124	B-143
12.2	186	19.0	5400	550	1.14	14.7	154	15.7	5400	550	1.14	03 -	6105	- 119	B-101	B-117	B-136
			3340	340	0.89				3340	340	1.08	03 -	6095DA	- 121	B-108	B-124	B-143
			5400	550	1.39				5400	550	1.68	03 -	6100DA	- 121	B-108	B-124	B-143
			5400	550	1.72				5400	550	1.72	03 -	6105DA	- 121	B-108	B-124	B-143
12.0	179	18.3	9810	1000	2.93	14.5	149	15.1	9810	1000	3.53	03 -	6120DB	- 121	B-108	B-124	B-143
10.1	212	21.6	3340	340	*1	12.2	176	17.9	3340	340	*1	03 -	6090DA	- 143	B-108	B-124	B-143
			3340	340	0.87				3340	340	1.04	03 -	6095DA	- 143	B-108	B-124	B-143
			5400	550	1.18				5400	550	1.42	03 -	6100DA	- 143	B-108	B-124	B-143
			5400	550	1.42				5400	550	1.71	03 -	6105DA	- 143	B-108	B-124	B-143
8.79	245	24.9	9810	1000	1.72	10.6	203	20.7	9810	1000	1.72	03 -	6120DA	- 143	B-108	B-124	B-143
			9810	1000	2.48				9810	1000	2.99	03 -	6120DB	- 143	B-108	B-124	B-143
			9810	1000	2.15				9810	1000	2.59	03 -	6120DB	- 165	B-108	B-124	B-143
			9810	1000	2.58				9810	1000	3.11	03 -	6125DB	- 165	B-108	B-124	B-143
7.44	289	29.5	3340	340	*1	8.97	239	24.4	3340	340	*1	03 -	6095DA	- 195	B-108	B-124	B-143
			5400	550	1.04				5400	550	1.25	03 -	6105DA	- 195	B-108	B-124	B-143
			9810	1000	1.72				9810	1000	1.72	03 -	6120DA	- 195	B-108	B-124	B-143
			9810	1000	1.82				9810	1000	2.19	03 -	6120DB	- 195	B-108	B-124	B-143
6.28	342	34.9	9810	1000	2.18	7.58	284	28.9	9810	1000	2.63	03 -	6125DB	- 195	B-108	B-124	B-143
			14700	1500	2.70				14700	1500	3.26	03 -	6130DB	- 195	B-109	B-125	B-144
5.31	405	41.2	3340	340	*1	6.41	335	34.2	3340	340	*1	03 -	6100DA	- 231	B-108	B-124	B-143
			4940	504	0.88				5400	550	1.06	03 -	6105DA	- 231	B-108	B-124	B-143
			9810	1000	1.52				9810	1000	1.72	03 -	6120DA	- 231	B-108	B-124	B-143
			9810	1000	1.52				9810	1000	1.84	03 -	6120DB	- 231	B-108	B-124	B-143
5.31	405	41.2	9810	1000	1.84	6.41	335	34.2	9810	1000	1.72	03 -	6125DA	- 231	B-108	B-124	B-143
			14700	1500	2.28				9810	1000	2.22	03 -	6125DB	- 231	B-108	B-124	B-143
			14700	1500	2.75				14700	1500	2.75	03 -	6130DB	- 231	B-109	B-125	B-144
			14700	1500	2.75				14700	1500	3.31	03 -	6135DB	- 231	B-109	B-125	B-144
5.31	405	41.2	5400	550	*1	6.41	335	34.2	5400	550	*1	03 -	6105DA	- 273	B-108	B-124	B-143
			9810	1000	1.29				9810	1000	1.56	03 -	6120DA	- 273	B-108	B-124	B-143
			9810	1000	1.56				9810	1000	1.72	03 -	6125DA	- 273	B-108	B-124	B-143
			9810	1000	1.56				9810	1000	1.88	03 -	6125DB	- 273	B-108	B-124	B-143
5.31	405	41.2	14700	1500	1.72	6.41	335	34.2	14700	1500	1.72	03 -	6130DA	- 273	B-109	B-125	B-144
			14700	1500	1.93				14700	1500	2.33	03 -	6130DB	- 273	B-109	B-125	B-144
			14700	1500	2.32				14700	1500	2.80	03 -	6135DB	- 273	B-109	B-125	B-144

GEARMOTORS

Selection Tables
0.25 kW

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

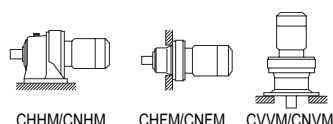
Selection Tables Gearmotors

0.4 kW		n ₁ : Motor Speed										 CHHM/CNHM		 CHFM/CNFM		 CVVM/CNVVM	
		Hz		50Hz		60Hz											
		P		4	6	4	6										
n ₁		r/min		1450	980	1750	1165										

50Hz						60Hz						Nomenclature			Page of Dimension Sheet							
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVVM							
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM							
58.0	62.6	6.38	2560	261	1.19	70.0	51.8	5.28	2520	256	1.19	05 -	6085	- 25	B-100	B-116	B-135					
			3340	340	1.68				3340	340	1.68	05 -	6090	- 25	B-100	B-116	B-135					
			3340	340	2.17				3340	340	2.17	05 -	6095	- 25	B-100	B-116	B-135					
50.0	72.6	7.40	2560	261	1.17	60.3	60.1	6.13	2560	261	1.17	05 -	6085	- 29	B-100	B-116	B-135					
			3340	340	1.56				3340	340	1.56	05 -	6090	- 29	B-100	B-116	B-135					
			3340	340	1.96				3340	340	1.96	05 -	6095	- 29	B-100	B-116	B-135					
41.4	87.6	8.93	2560	261	0.82	50.0	72.6	7.40	2560	261	0.93	05 -	6085	- 35	B-100	B-116	B-135					
			3340	340	1.53				3340	340	1.53	05 -	6090	- 35	B-100	B-116	B-135					
			3340	340	1.90				3340	340	1.90	05 -	6095	- 35	B-100	B-116	B-135					
			5400	550	2.44				5400	550	2.44	05 -	6100	- 35	B-101	B-117	B-136					
			5400	550	3.00				5400	550	3.00	05 -	6105	- 35	B-101	B-117	B-136					
33.7	108	11.0	3340	340	1.09	40.7	89.2	9.09	3340	340	1.09	05 -	6090	- 43	B-100	B-116	B-135					
			3340	340	1.51				3340	340	1.51	05 -	6095	- 43	B-100	B-116	B-135					
			5400	550	1.95				5400	550	1.95	05 -	6100	- 43	B-101	B-117	B-136					
			5400	550	2.70				5400	550	2.70	05 -	6105	- 43	B-101	B-117	B-136					
28.4	128	13.0	3320	339	1.02	34.3	106	10.8	3340	340	1.06	05 -	6095	- 51	B-100	B-116	B-135					
			5400	550	1.40				5400	550	1.40	05 -	6100	- 51	B-101	B-117	B-136					
			5400	550	1.94				5400	550	1.94	05 -	6105	- 51	B-101	B-117	B-136					
			7610	776	2.36				7610	776	2.36	05 -	6110	- 51	B-101	B-117	B-136					
24.6	148	15.1	3300	336	0.84	29.7	122	12.5	3340	340	0.93	05 -	6095	- 59	B-100	B-116	B-135					
			5400	550	1.29				5400	550	1.29	05 -	6100	- 59	B-101	B-117	B-136					
			5400	550	1.70				5400	550	1.77	05 -	6105	- 59	B-101	B-117	B-136					
			7610	776	2.15				7610	776	2.15	05 -	6110	- 59	B-101	B-117	B-136					
20.4	178	18.1	7610	776	2.53	24.6	147	15.0	7610	776	2.53	05 -	6115	- 59	B-101	B-117	B-136					
			5400	550	1.09				5400	550	1.09	05 -	6100	- 71	B-101	B-117	B-136					
			5400	550	1.27				5400	550	1.40	05 -	6105	- 71	B-101	B-117	B-136					
			7610	776	1.67				7610	776	1.67	05 -	6110	- 71	B-101	B-117	B-136					
			7610	776	1.90				7610	776	1.90	05 -	6115	- 71	B-101	B-117	B-136					
16.7	218	22.2	9810	1000	2.39	20.1	180	18.4	9810	1000	2.39	05 -	6120	- 71	B-101	B-117	B-136					
			9810	1000	2.85				9810	1000	3.00	05 -	6125	- 71	B-101	B-117	B-136					
			5400	550	1.08				5400	550	1.08	05 -	6100	- 87	B-101	B-117	B-136					
			5400	550	1.26				5400	550	1.41	05 -	6105	- 87	B-101	B-117	B-136					
			7610	776	1.65				7610	776	1.65	05 -	6110	- 87	B-101	B-117	B-136					
13.9	150	15.3	7610	776	1.90	20.1	180	18.4	7610	776	1.90	05 -	6115	- 87	B-101	B-117	B-136					
			9810	1000	2.36				9810	1000	2.36	05 -	6120	- 87	B-101	B-117	B-136					
			9810	1000	2.58				9810	1000	2.83	05 -	6125	- 87	B-101	B-117	B-136					
			150	15.3	3340				340	*1	16.8	150	15.3	3340	340	*1	05 -	6090DA	- 104	B-108	B-124	B-143
			181	18.4	3340				340	*1				3340	340	*1	05 -	6095DA	- 104	B-108	B-124	B-143
12.0	160	16.4	5400	550	1.07	14.5	160	16.4	5400	550	1.07	05 -	6100DA	- 104	B-108	B-124	B-143					
			5400	550	1.07				5400	550	1.07	05 -	6105DA	- 104	B-108	B-124	B-143					
			9810	1000	2.13				9810	1000	2.57	05 -	6120DB	- 104	B-108	B-124	B-143					
			9810	1000	2.55				9810	1000	3.08	05 -	6125DB	- 104	B-108	B-124	B-143					
			150	15.3	3340				340	*1	14.5	150	15.3	3340	340	*1	05 -	6090DA	- 121	B-108	B-124	B-143
160	16.4	3340	340	*1	3340	340	*1	05 -	6095DA	- 121				B-108	B-124	B-143						
12.0	287	29.2	5400	550	1.07	14.5	238	24.2	5400	550	1.07	05 -	6105DA	- 121	B-108	B-124	B-143					
			9810	1000	1.83				9810	1000	2.21	05 -	6120DB	- 121	B-108	B-124	B-143					
			9810	1000	2.17				9810	1000	2.62	05 -	6125DB	- 121	B-108	B-124	B-143					
			14700	1500	2.72				14700	1500	3.28	05 -	6130DB	- 121	B-109	B-125	B-144					

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



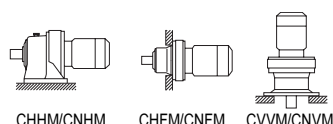
0.4 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
10.1	183	18.7	3340	340	*1	12.2	183	18.7	3340	340	*1	05 - 6095DA	- 143		B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	05 - 6100DA	- 143		B-108	B-124	B-143
			5400	550	0.88				5400	550	1.07	05 - 6105DA	- 143		B-108	B-124	B-143
			9810	1000	1.07				9810	1000	1.07	05 - 6120DA	- 143		B-108	B-124	B-143
			9810	1000	1.55				9810	1000	1.87	05 - 6120DB	- 143		B-108	B-124	B-143
	339	34.6	9810	1000	1.86		281	28.6	9810	1000	2.24	05 - 6125DB	- 143		B-108	B-124	B-143
			14700	1500	2.30				14700	1500	2.78	05 - 6130DB	- 143		B-109	B-125	B-144
			14700	1500	2.77				14700	1500	3.35	05 - 6135DB	- 143		B-109	B-125	B-144
8.79	250	25.5	5400	550	*1	10.6	250	25.5	5400	550	*1	05 - 6100DA	- 165		B-108	B-124	B-143
	300	30.6	5400	550	*1		300	30.6	5400	550	*1	05 - 6105DA	- 165		B-108	B-124	B-143
			9810	1000	1.07				9810	1000	1.07	05 - 6120DA	- 165		B-108	B-124	B-143
			9810	1000	1.34				9810	1000	1.62	05 - 6120DB	- 165		B-108	B-124	B-143
	391	39.9	9810	1000	1.61		324	33.0	9810	1000	1.94	05 - 6125DB	- 165		B-108	B-124	B-143
			14700	1500	1.99				14700	1500	2.41	05 - 6130DB	- 165		B-109	B-125	B-144
			14700	1500	2.40				14700	1500	2.90	05 - 6135DB	- 165		B-109	B-125	B-144
7.44	250	25.5	5400	550	*1	8.97	250	25.5	5400	550	*1	05 - 6100DA	- 195		B-108	B-124	B-143
	300	30.6	5400	550	*1		300	30.6	5400	550	*1	05 - 6105DA	- 195		B-108	B-124	B-143
			9810	1000	1.07				9810	1000	1.07	05 - 6120DA	- 195		B-108	B-124	B-143
			9810	1000	1.14				9810	1000	1.37	05 - 6120DB	- 195		B-108	B-124	B-143
			9810	1000	1.36				9810	1000	1.64	05 - 6125DB	- 195		B-108	B-124	B-143
	462	47.1	14700	1500	1.69		383	39.1	14700	1500	2.04	05 - 6130DB	- 195		B-109	B-125	B-144
			14700	1500	2.03				14700	1500	2.45	05 - 6135DB	- 195		B-109	B-125	B-144
			16000	1630	2.65				16000	1630	3.20	05 - 6140DB	- 195		B-109	B-125	B-144
		16000	1630	2.94			16000	1630	3.54	05 - 6145DB	- 195		B-109	B-125	B-144		
6.28	300	30.6	5400	550	*1	7.58	300	30.6	5400	550	*1	05 - 6105DA	- 231		B-108	B-124	B-143
			9810	1000	1.07				9810	1000	1.07	05 - 6125DA	- 231		B-108	B-124	B-143
			9810	1000	1.15				9810	1000	1.39	05 - 6125DB	- 231		B-108	B-124	B-143
			14700	1500	1.42				14700	1500	1.72	05 - 6130DB	- 231		B-109	B-125	B-144
	548	55.8	14700	1500	1.72		454	46.3	14700	1500	2.07	05 - 6135DB	- 231		B-109	B-125	B-144
			16000	1630	2.24				16000	1630	2.70	05 - 6140DB	- 231		B-109	B-125	B-144
			16000	1630	2.44				16000	1630	2.95	05 - 6145DB	- 231		B-109	B-125	B-144
5.31	522	53.2	9810	1000	*1	6.41	522	53.2	9810	1000	*1	05 - 6120DA	- 273		B-108	B-124	B-143
			9810	1000	0.97				9810	1000	1.07	05 - 6125DA	- 273		B-108	B-124	B-143
			9810	1000	0.97				9810	1000	1.17	05 - 6125DB	- 273		B-108	B-124	B-143
			14700	1500	1.07				14700	1500	1.07	05 - 6130DA	- 273		B-109	B-125	B-144
			14700	1500	1.21				14700	1500	1.45	05 - 6130DB	- 273		B-109	B-125	B-144
	647	66.0	14700	1500	1.45		536	54.7	14700	1500	1.75	05 - 6135DB	- 273		B-109	B-125	B-144
			16000	1630	1.89				16000	1630	2.28	05 - 6140DB	- 273		B-109	B-125	B-144
			16000	1630	2.07				16000	1630	2.49	05 - 6145DB	- 273		B-109	B-125	B-144
		22100	2250	2.71			22100	2250	3.27	05 - 6160DA	- 273		B-110	B-126	B-145		
4.55	520	53.0	9810	1000	*1	5.49	520	53.0	9810	1000	*1	05 - 6120DA	- 319		B-108	B-124	B-143
			9810	1000	0.83				9810	1000	1.01	05 - 6125DA	- 319		B-108	B-124	B-143
			14700	1500	1.03				14700	1500	1.07	05 - 6130DA	- 319		B-109	B-125	B-144
			14700	1500	1.03				14700	1500	1.24	05 - 6130DB	- 319		B-109	B-125	B-144
			14700	1500	1.07				14700	1500	1.07	05 - 6135DA	- 319		B-109	B-125	B-144
	756	77.1	14700	1500	1.24		627	63.9	14700	1500	1.50	05 - 6135DB	- 319		B-109	B-125	B-144
			16000	1630	1.62				16000	1630	1.95	05 - 6140DB	- 319		B-109	B-125	B-144
			16000	1630	1.81				16000	1630	2.19	05 - 6145DB	- 319		B-109	B-125	B-144
		22100	2250	2.32			22100	2250	2.80	05 - 6160DA	- 319		B-110	B-126	B-145		
		22100	2250	2.78			22100	2250	3.35	05 - 6165DA	- 319		B-110	B-126	B-145		

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors



0.4 kW	n ₁ : Motor Speed			
	Hz		50Hz	
	P		4	6
	n ₁	r/min	1450	980
			1750	1165

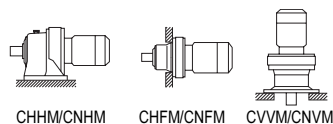
50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM CHHM	CNFM CHFM	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf							
0.980	1760	179	22100	2250	*1	1.18	1760	179	22100	2250	*1	05 -	6160DA	- 1479	B-110	B-126	B-145
	2050	209	21800	2220	*1		2050	209	21800	2220	*1	05 -	6165DA	- 1479	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	05 -	6170DA	- 1479	B-110	B-126	B-145
	3510	357	29500	3010	0.90		2910	296	29500	3010	1.08	05 -	6175DA	- 1479	B-110	B-126	B-145
0.784	2100	214	22100	2250	*1	0.946	2100	214	22100	2250	*1	05 -	6165DA	- 1849	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	05 -	6170DA	- 1849	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	05 -	6175DA	- 1849	B-110	B-126	B-145
	4380	447	41700	4250	0.93		3630	370	41700	4250	1.12	05 -	6180DA	- 1849	B-110	B-126	B-145
0.702	2530	258	29500	3010	*1	0.847	2530	258	29500	3010	*1	05 -	6170DA	- 2065	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	05 -	6175DA	- 2065	B-110	B-126	B-145
	4050	413	41700	4250	*1		4050	413	41700	4250	*1	05 -	6180DA	- 2065	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	05 -	6175DA	- 2537	B-110	B-126	B-145
0.572	4050	413	41700	4250	*1	0.690	4050	413	41700	4250	*1	05 -	6180DA	- 2537	B-110	B-126	B-145
	5000	510	41600	4240	*1		5000	510	41600	4240	*1	05 -	6185DA	- 2537	B-110	B-126	B-145
	6020	613	41200	4200	0.83		4980	508	41600	4240	1.00	05 -	6185DA	- 2537	B-110	B-126	B-145
	4060	414	41700	4250	*1		4060	414	41700	4250	*1	05 -	6180DA	- 3045	B-110	B-126	B-145
0.476	5000	510	41700	4250	*1	0.575	5000	510	41700	4250	*1	05 -	6185DA	- 3045	B-110	B-126	B-145
	4050	413	41700	4250	*1		4050	413	41700	4250	*1	05 -	6180DA	- 3481	B-110	B-126	B-145
0.417	5000	510	41600	4240	*1	0.503	5000	510	41600	4240	*1	05 -	6185DA	- 3481	B-110	B-126	B-145
	4060	414	41700	4250	*1		4060	414	41700	4250	*1	05 -	6180DA	- 4437	B-110	B-126	B-145
0.327	5000	510	41700	4250	*1	0.394	5000	510	41700	4250	*1	05 -	6185DA	- 4437	B-110	B-126	B-145
	4060	414	41700	4250	*1		4060	414	41700	4250	*1	05 -	6180DA	- 5133	B-110	B-126	B-145
0.282	5000	510	41700	4250	*1	0.341	5000	510	41700	4250	*1	05 -	6185DA	- 5133	B-110	B-126	B-145
	4060	414	41700	4250	*1		4060	414	41700	4250	*1	05 -	6180DA	- 6177	B-110	B-126	B-145
0.235	5000	510	41700	4250	*1	0.283	5000	510	41700	4250	*1	05 -	6185DA	- 6177	B-110	B-126	B-145
	4060	414	41700	4250	*1		4060	414	41700	4250	*1	05 -	6180DA	- 7569	B-110	B-126	B-145
0.192	5000	510	41700	4250	*1	0.231	5000	510	41700	4250	*1	05 -	6185DA	- 7569	B-110	B-126	B-145

GEARMOTORS

Selection Tables
0.4 kW

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors



0.55 kW	n ₁ : Motor Speed					
	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
96.7	51.6	5.26	2520	257	1.08	117	42.8	4.36	2380	242	1.08	08 -	6080	- 15	B-100	B-116	B-135
			2520	257	1.41				2380	242	1.41	08 -	6085	- 15	B-100	B-116	B-135
			3340	340	2.09				3340	340	2.09	08 -	6090	- 15	B-100	B-116	B-135
			3340	340	2.76				3340	340	2.76	08 -	6095	- 15	B-100	B-116	B-135
85.3	58.5	5.96	2560	261	1.08	103	48.5	4.94	2490	254	1.08	08 -	6080	- 17	B-100	B-116	B-135
			2560	261	1.41				2490	254	1.41	08 -	6085	- 17	B-100	B-116	B-135
			3340	340	2.09				3340	340	2.09	08 -	6090	- 17	B-100	B-116	B-135
			3340	340	2.76				3340	340	2.76	08 -	6095	- 17	B-100	B-116	B-135
69.0	72.3	7.37	2560	261	1.00	83.3	59.9	6.10	2430	247	1.00	08 -	6085	- 21	B-100	B-116	B-135
			3340	340	1.38				3340	340	1.38	08 -	6090	- 21	B-100	B-116	B-135
			3340	340	2.75				3340	340	2.76	08 -	6095	- 21	B-100	B-116	B-135
58.0	86.0	8.77	2510	256	0.86	70.0	71.3	7.27	2490	254	0.86	08 -	6085	- 25	B-100	B-116	B-135
			3340	340	1.22				3340	340	1.22	08 -	6090	- 25	B-100	B-116	B-135
			3340	340	1.57				3340	340	1.57	08 -	6095	- 25	B-100	B-116	B-135
			5400	550	2.31				5400	550	2.31	08 -	6100	- 25	B-101	B-117	B-136
50.0	99.8	10.2	2300	235	0.85	60.3	82.7	8.43	2480	253	0.85	08 -	6085	- 29	B-100	B-116	B-135
			3340	340	1.14				3340	340	1.14	08 -	6090	- 29	B-100	B-116	B-135
			3340	340	1.43				3340	340	1.43	08 -	6095	- 29	B-100	B-116	B-135
			5400	550	2.20				5400	550	2.20	08 -	6100	- 29	B-101	B-117	B-136
41.4	120	12.3	3340	340	1.11	50.0	99.8	10.2	3340	340	1.11	08 -	6090	- 35	B-100	B-116	B-135
			3340	340	1.38				3340	340	1.38	08 -	6095	- 35	B-100	B-116	B-135
			5400	550	1.77				5400	550	1.77	08 -	6100	- 35	B-101	B-117	B-136
			5400	550	2.18				5400	550	2.18	08 -	6105	- 35	B-101	B-117	B-136
33.7	148	15.1	7510	765	2.73	40.7	123	12.5	7530	767	2.73	08 -	6110	- 35	B-101	B-117	B-136
			3320	338	1.10				3340	340	1.10	08 -	6095	- 43	B-100	B-116	B-135
			5400	550	1.42				5400	550	1.42	08 -	6100	- 43	B-101	B-117	B-136
			5400	550	1.96				5400	550	1.96	08 -	6105	- 43	B-101	B-117	B-136
28.4	176	17.9	7610	776	2.36	34.3	145	14.8	7610	776	2.36	08 -	6110	- 43	B-101	B-117	B-136
			7610	776	2.76				7610	776	2.76	08 -	6115	- 43	B-101	B-117	B-136
			5400	550	1.02				5400	550	1.02	08 -	6100	- 51	B-101	B-117	B-136
			5400	550	1.41				5400	550	1.41	08 -	6105	- 51	B-101	B-117	B-136
24.6	203	20.7	7610	776	1.72	29.7	168	17.1	7610	776	1.72	08 -	6110	- 51	B-101	B-117	B-136
			7610	776	2.02				7610	776	2.02	08 -	6115	- 51	B-101	B-117	B-136
			9810	1000	2.96				9810	1000	3.13	08 -	6120	- 51	B-101	B-117	B-136
			5400	550	1.24				5400	550	1.29	08 -	6105	- 59	B-101	B-117	B-136
20.4	244	24.9	7610	776	1.56	24.6	202	20.6	7610	776	1.56	08 -	6110	- 59	B-101	B-117	B-136
			7610	776	1.84				7610	776	1.84	08 -	6115	- 59	B-101	B-117	B-136
			9810	1000	2.36				9810	1000	2.36	08 -	6120	- 59	B-101	B-117	B-136
			9810	1000	2.95				9810	1000	2.95	08 -	6125	- 59	B-101	B-117	B-136
16.7	299	30.5	5380	549	0.92	20.1	248	25.3	5400	550	1.02	08 -	6105	- 71	B-101	B-117	B-136
			7610	776	1.22				7610	776	1.22	08 -	6110	- 71	B-101	B-117	B-136
			7610	776	1.38				7610	776	1.38	08 -	6115	- 71	B-101	B-117	B-136
			9810	1000	1.74				9810	1000	1.74	08 -	6120	- 71	B-101	B-117	B-136
16.7	299	30.5	9810	1000	2.07	20.1	248	25.3	9810	1000	2.18	08 -	6125	- 71	B-101	B-117	B-136
			4800	489	0.91				5400	550	1.03	08 -	6105	- 87	B-101	B-117	B-136
			7610	776	1.20				7610	776	1.20	08 -	6110	- 87	B-101	B-117	B-136
			7610	776	1.38				7610	776	1.38	08 -	6115	- 87	B-101	B-117	B-136
			9810	1000	1.72				9810	1000	1.72	08 -	6120	- 87	B-101	B-117	B-136
			9810	1000	1.87				9810	1000	2.05	08 -	6125	- 87	B-101	B-117	B-136
16.7	299	30.5	14700	1500	2.58	20.1	248	25.3	14200	1450	2.58	08 -	6130	- 87	B-102	B-118	B-137
			14700	1500	3.00				14200	1450	3.47	08 -	6135	- 87	B-102	B-118	B-137

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

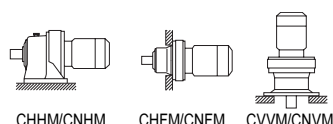
Selection Tables Gearmotors

0.55 kW		n ₁ : Motor Speed															
		Hz		50Hz		60Hz											
		P		4		6		4		6							
		n ₁ r/min		1450		980		1750		1165							

		50Hz				60Hz				Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
13.9	339	34.6	9810	1000	16.8	281	28.6	9810	1000	08 - 6120DB	- 104		B-108	B-124	B-143
			9810	1000				9810	1000	08 - 6125DB	- 104		B-108	B-124	B-143
			14700	1500				14700	1500	08 - 6130DB	- 104		B-109	B-125	B-144
			14700	1500				14700	1500	08 - 6135DB	- 104		B-109	B-125	B-144
			14700	1500				14700	1500	08 - 6135DC	- 104		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6140DB	- 104		B-109	B-125	B-144
12.0	394	40.2	9810	1000	14.5	327	33.3	9810	1000	08 - 6120DB	- 121		B-108	B-124	B-143
			9810	1000				9810	1000	08 - 6125DB	- 121		B-108	B-124	B-143
			14700	1500				14700	1500	08 - 6130DB	- 121		B-109	B-125	B-144
			14700	1500				14700	1500	08 - 6135DB	- 121		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6140DB	- 121		B-109	B-125	B-144
10.1	466	47.5	9810	1000	12.2	386	39.4	9810	1000	08 - 6120DB	- 143		B-108	B-124	B-143
			9810	1000				9810	1000	08 - 6125DB	- 143		B-108	B-124	B-143
			14700	1500				14700	1500	08 - 6130DB	- 143		B-109	B-125	B-144
			14700	1500				14700	1500	08 - 6135DB	- 143		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6140DB	- 143		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6140DC	- 143		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6145DB	- 143		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6145DC	- 143		B-109	B-125	B-144
8.79	538	54.8	9810	1000	10.6	446	45.4	9810	1000	08 - 6125DB	- 165		B-108	B-124	B-143
			14700	1500				14700	1500	08 - 6130DB	- 165		B-109	B-125	B-144
			14700	1500				14700	1500	08 - 6135DB	- 165		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6140DB	- 165		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6145DB	- 165		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6145DC	- 165		B-109	B-125	B-144
			22100	2250				22100	2250	08 - 6160DA	- 165		B-110	B-126	B-145
7.44	636	64.8	525	9810	8.97	527	53.7	525	9810	08 - 6120DB	- 195		B-108	B-124	B-143
			9810	1000				9810	1000	08 - 6125DB	- 195		B-108	B-124	B-143
			14700	1500				14700	1500	08 - 6130DB	- 195		B-109	B-125	B-144
			14700	1500				14700	1500	08 - 6135DB	- 195		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6140DB	- 195		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6145DB	- 195		B-109	B-125	B-144
			22100	2250				22100	2250	08 - 6160DA	- 195		B-110	B-126	B-145
			22100	2250				22100	2250	08 - 6160DB	- 195		B-110	B-126	B-145
6.28	753	76.8	522	9810	7.58	624	63.6	522	9810	08 - 6120DB	- 231		B-108	B-124	B-143
			9810	1000				9810	1000	08 - 6125DB	- 231		B-108	B-124	B-143
			14700	1500				14700	1500	08 - 6130DB	- 231		B-109	B-125	B-144
			14700	1500				14700	1500	08 - 6135DB	- 231		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6140DB	- 231		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6145DB	- 231		B-109	B-125	B-144
			22100	2250				22100	2250	08 - 6160DA	- 231		B-110	B-126	B-145
			22100	2250				22100	2250	08 - 6165DA	- 231		B-110	B-126	B-145
			22100	2250				22100	2250	08 - 6165DB	- 231		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6170DA	- 231		B-110	B-126	B-145

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



0.55 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

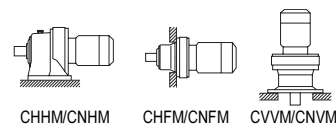
n₁: Motor Speed

50Hz					60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
5.31	890	90.7	14700	1500	6.41	737	75.2	14700	1500	08 - 6135DB	- 273		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6140DB	- 273		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6145DB	- 273		B-109	B-125	B-144
			22100	2250				22100	2250	08 - 6160DA	- 273		B-110	B-126	B-145
			22100	2250				22100	2250	08 - 6165DA	- 273		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6170DA	- 273		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6170DB	- 273		B-110	B-126	B-145
4.55	1040	106	29500	3010	5.49	862	87.8	29500	3010	08 - 6175DA	- 273		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6175DB	- 273		B-110	B-126	B-145
			9810	1000				9810	1000	08 - 6125DB	- 319		B-108	B-124	B-143
			14700	1500				14700	1500	08 - 6130DB	- 319		B-109	B-125	B-144
			14700	1500				14700	1500	08 - 6135DB	- 319		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6140DB	- 319		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6145DB	- 319		B-109	B-125	B-144
3.85	1230	125	22100	2250	4.64	1020	104	22100	2250	08 - 6160DA	- 319		B-110	B-126	B-145
			22100	2250				22100	2250	08 - 6165DA	- 319		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6170DA	- 319		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6170DB	- 319		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6175DA	- 319		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6175DB	- 319		B-110	B-126	B-145
			14700	1500				14700	1500	08 - 6130DB	- 377		B-109	B-125	B-144
3.07	1540	157	14700	1500	3.70	1280	130	14700	1500	08 - 6135DB	- 377		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6140DB	- 377		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6145DB	- 377		B-109	B-125	B-144
			22100	2250				22100	2250	08 - 6160DA	- 377		B-110	B-126	B-145
			22100	2250				22100	2250	08 - 6165DA	- 377		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6170DA	- 377		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6175DA	- 377		B-110	B-126	B-145
2.59	1820	186	29500	3010	3.13	1510	154	29500	3010	08 - 6135DB	- 473		B-109	B-125	B-144
			29500	3010				29500	3010	08 - 6140DB	- 473		B-109	B-125	B-144
			14800	1510				14800	1510	08 - 6145DB	- 473		B-109	B-125	B-144
			22100	2250				22100	2250	08 - 6160DA	- 473		B-110	B-126	B-145
			22100	2250				22100	2250	08 - 6165DA	- 473		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6170DA	- 473		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6175DA	- 473		B-110	B-126	B-145
2.23	2120	216	29500	3010	2.70	1760	179	29500	3010	08 - 6135DB	- 559		B-109	B-125	B-144
			29500	3010				29500	3010	08 - 6140DB	- 559		B-109	B-125	B-144
			16000	1630				16000	1630	08 - 6145DB	- 559		B-109	B-125	B-144
			22100	2250				22100	2250	08 - 6160DA	- 559		B-110	B-126	B-145
			22100	2250				22100	2250	08 - 6165DA	- 559		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6170DA	- 559		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6175DA	- 559		B-110	B-126	B-145
1.98	2380	243	29500	3010	2.39	1970	201	29500	3010	08 - 6145DB	- 649		B-109	B-125	B-144
			29500	3010				29500	3010	08 - 6160DA	- 649		B-110	B-126	B-145
			16000	1630				16000	1630	08 - 6165DA	- 649		B-110	B-126	B-145
			22100	2250				22100	2250	08 - 6170DA	- 649		B-110	B-126	B-145
			22100	2250				22100	2250	08 - 6175DA	- 649		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6160DA	- 731		B-110	B-126	B-145
			29500	3010				29500	3010	08 - 6165DA	- 731		B-110	B-126	B-145

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

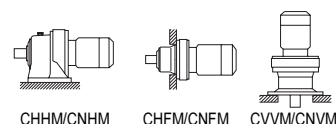
Selection Tables Gearmotors

0.55 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
1.72	1760	179	22100	2250	*1	2.08	1760	179	22100	2250	*1	08 -	6160DA	- 841	B-110	B-126	B-145
	2100	214	22100	2250	*1		2100	214	22100	2250	*1	08 -	6165DA	- 841	B-110	B-126	B-145
	2740	279	29500	3010	1.15		2270	232	29500	3010	1.39	08 -	6175DA	- 841	B-110	B-126	B-145
1.45	2100	214	22100	2250	*1	1.74	2100	214	22100	2250	*1	08 -	6165DA	- 1003	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	08 -	6170DA	- 1003	B-110	B-126	B-145
	3270	333	29500	3010	0.96		2710	276	29500	3010	1.16	08 -	6175DA	- 1003	B-110	B-126	B-145
1.16	2530	258	29500	3010	*1	1.40	2530	258	29500	3010	*1	08 -	6170DA	- 1247	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	08 -	6175DA	- 1247	B-110	B-126	B-145
0.980	3150	321	29500	3010	*1	1.18	3150	321	29500	3010	*1	08 -	6175DA	- 1479	B-110	B-126	B-145
0.784	4060	414	41700	4250	*1	0.946	4060	414	41700	4250	*1	08 -	6180DA	- 1849	B-110	B-126	B-145

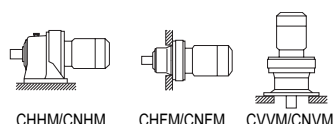
0.75 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN		
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM		
580	11.7	1.20	1130	115	1.48	700	9.72	0.991	1080	110	1.48	1 - 6070SK	- 2.5 *3	B-98	-	B-133	
			1130	115	1.85				1080	110	1.85	1 - 6075SK	- 2.5 *3	B-98	-	B-133	
			1260	128	2.20				1190	121	2.20	1 - 6080SK	- 2.5 *3	B-98	-	B-133	
			1260	128	2.75				1190	121	2.75	1 - 6085SK	- 2.5 *3	B-98	-	B-133	
			2250	229	3.20				2130	217	3.20	1 - 6090SK	- 2.5 *3	B-98	-	B-133	
			2250	229	3.61				2130	217	3.61	1 - 6095SK	- 2.5 *3	B-98	-	B-133	
483	14.1	1.44	1180	120	1.41	583	11.7	1.19	1120	114	1.41	1 - 6070SK	- 3 *3	B-98	-	B-133	
			1180	120	1.77				1120	114	1.77	1 - 6075SK	- 3 *3	B-98	-	B-133	
			1310	134	2.20				1250	127	2.20	1 - 6080SK	- 3 *3	B-98	-	B-133	
			1310	134	2.75				1250	127	2.75	1 - 6085SK	- 3 *3	B-98	-	B-133	
			2340	239	3.12				2220	226	3.12	1 - 6090SK	- 3 *3	B-98	-	B-133	
			2340	239	3.51				2220	226	3.51	1 - 6095SK	- 3 *3	B-98	-	B-133	
363	18.8	1.91	1270	129	1.25	438	15.6	1.59	1220	124	1.25	1 - 6070SK	- 4 *3	B-98	-	B-133	
			1270	129	1.56				1220	124	1.56	1 - 6075SK	- 4 *3	B-98	-	B-133	
			1420	145	2.20				1350	138	2.20	1 - 6080SK	- 4 *3	B-98	-	B-133	
			1420	145	2.75				1350	138	2.75	1 - 6085SK	- 4 *3	B-98	-	B-133	
			2660	271	3.12				2520	257	3.12	1 - 6090SK	- 4 *3	B-98	-	B-133	
			2660	271	3.51				2520	257	3.51	1 - 6095SK	- 4 *3	B-98	-	B-133	
290	23.5	2.39	1370	140	1.18	350	19.4	1.98	1290	132	1.18	1 - 6070SK	- 5 *3	B-98	-	B-133	
			1370	140	1.48				1290	132	1.48	1 - 6075SK	- 5 *3	B-98	-	B-133	
			1530	156	2.07				1460	149	2.07	1 - 6080SK	- 5 *3	B-98	-	B-133	
			1530	156	2.47				1460	149	2.43	1 - 6085SK	- 5 *3	B-98	-	B-133	
			2820	287	2.98				2680	273	2.98	1 - 6090SK	- 5 *3	B-98	-	B-133	
			2820	287	3.51				2680	273	3.51	1 - 6095SK	- 5 *3	B-98	-	B-133	

- Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
- Motor slippage may affect n₁ and n₂. Refer to technical data for details.
- CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
- Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
- "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



0.75 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

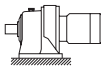
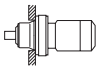
50Hz					60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
242	28.2	2.87	1370	140	292	23.3	2.38	1290	132	1 - 6070SK	- 6	*3	B-98	-	B-133
			1370	140				1290	132	1 - 6075SK	- 6	*3	B-98	-	B-133
			1580	161				1520	155	1 - 6080SK	- 6	*3	B-98	-	B-133
			1580	161				1520	155	1 - 6085SK	- 6	*3	B-98	-	B-133
			2880	294				2750	280	1 - 6090SK	- 6	*3	B-98	-	B-133
			2880	294				2750	280	1 - 6095SK	- 6	*3	B-98	-	B-133
			2880	294				2750	280	1 - 6100SK	- 6	*3	B-99	-	B-134
			1900	193				1790	182	1 - 6085	- 6		B-100	B-116	B-135
			2840	290				2670	273	1 - 6090	- 6		B-100	B-116	B-135
			2840	290				2670	273	1 - 6095	- 6		B-100	B-116	B-135
181	37.5	3.83	1510	154	219	31.1	3.17	1420	145	1 - 6075SK	- 8	*3	B-98	-	B-133
			1660	169				1590	162	1 - 6080SK	- 8	*3	B-98	-	B-133
			1660	169				1590	162	1 - 6085SK	- 8	*3	B-98	-	B-133
			3210	327				3060	312	1 - 6090SK	- 8	*3	B-98	-	B-133
			3210	327				3060	312	1 - 6095SK	- 8	*3	B-98	-	B-133
			3210	327				3060	312	1 - 6100SK	- 8	*3	B-99	-	B-134
			3210	327				3060	312	1 - 6105SK	- 8	*3	B-99	-	B-134
			2050	209				1930	197	1 - 6085	- 8		B-100	B-116	B-135
			3160	322				2980	304	1 - 6090	- 8		B-100	B-116	B-135
			3160	322				2980	304	1 - 6095	- 8		B-100	B-116	B-135
145	46.9	4.78	1740	177	175	38.9	3.96	1680	171	1 - 6080SK	- 10	*3	B-98	-	B-133
			1740	177				1680	171	1 - 6085SK	- 10	*3	B-98	-	B-133
			3380	345				3240	330	1 - 6090SK	- 10	*3	B-98	-	B-133
			3380	345				3240	330	1 - 6095SK	- 10	*3	B-98	-	B-133
			3380	345				3240	330	1 - 6100SK	- 10	*3	B-99	-	B-134
			3380	345				3240	330	1 - 6105SK	- 10	*3	B-99	-	B-134
132	51.6	5.26	2250	230	159	42.8	4.36	2130	217	1 - 6085	- 11		B-100	B-116	B-135
			3340	340				3340	340	1 - 6090	- 11		B-100	B-116	B-135
			3340	340				3340	340	1 - 6095	- 11		B-100	B-116	B-135
112	61.0	6.22	2410	246	135	50.5	5.15	2280	233	1 - 6085	- 13		B-100	B-116	B-135
			3340	340				3340	340	1 - 6090	- 13		B-100	B-116	B-135
			3340	340				3340	340	1 - 6095	- 13		B-100	B-116	B-135
96.7	70.4	7.18	2490	253	117	58.3	5.95	2350	240	1 - 6085	- 15		B-100	B-116	B-135
			3340	340				3340	340	1 - 6090	- 15		B-100	B-116	B-135
			3340	340				3340	340	1 - 6095	- 15		B-100	B-116	B-135
85.3	79.8	8.13	2560	261	103	66.1	6.74	2460	251	1 - 6085	- 17		B-100	B-116	B-135
			3340	340				3340	340	1 - 6090	- 17		B-100	B-116	B-135
			3340	340				3340	340	1 - 6095	- 17		B-100	B-116	B-135
			5400	550				5400	550	1 - 6100	- 17		B-101	B-117	B-136
69.0	98.5	10.0	3340	340	83.3	81.7	8.32	3340	340	1 - 6090	- 21		B-100	B-116	B-135
			3340	340				3340	340	1 - 6095	- 21		B-100	B-116	B-135
			5400	550				5400	550	1 - 6100	- 21		B-101	B-117	B-136
58.0	117	12.0	3340	340	70.0	97.2	9.91	3340	340	1 - 6095	- 25		B-100	B-116	B-135
			5400	550				5400	550	1 - 6100	- 25		B-101	B-117	B-136
			5400	550				5400	550	1 - 6105	- 25		B-101	B-117	B-136
			7240	738				6810	694	1 - 6110	- 25		B-101	B-117	B-136
			7240	738				6810	694	1 - 6115	- 25		B-101	B-117	B-136
50.0	136	13.9	3320	338	60.3	113	11.5	3340	340	1 - 6095	- 29		B-100	B-116	B-135
			5400	550				5400	550	1 - 6100	- 29		B-101	B-117	B-136
			5400	550				5400	550	1 - 6105	- 29		B-101	B-117	B-136
			7410	756				7000	714	1 - 6110	- 29		B-101	B-117	B-136
			7410	756				7000	714	1 - 6115	- 29		B-101	B-117	B-136

GEARMOTORS

Selection Tables
0.55 kW, 0.75 kW

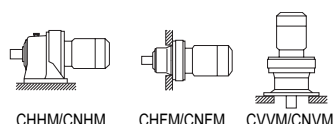
- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

0.75 kW		n ₁ : Motor Speed															
		Hz		50Hz		60Hz											
		P		4	6	4	6										
		n ₁	r/min	1450	980	1750	1165										
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
41.4	164	16.7	3270	334	1.01	50.0	136	13.9	3330	339	1.01	1 -	6095	- 35	B-100	B-116	B-135
			5400	550	1.30				5400	550	1.30	1 -	6100	- 35	B-101	B-117	B-136
			5400	550	1.60				5400	550	1.60	1 -	6105	- 35	B-101	B-117	B-136
			7470	761	2.00				7490	764	2.00	1 -	6110	- 35	B-101	B-117	B-136
			7470	761	2.41				7490	764	2.41	1 -	6115	- 35	B-101	B-117	B-136
33.7	202	20.6	3210	328	0.80	40.7	167	17.0	3280	334	0.80	1 -	6095	- 43	B-100	B-116	B-135
			5400	550	1.04				5400	550	1.04	1 -	6100	- 43	B-101	B-117	B-136
			5400	550	1.44				5400	550	1.44	1 -	6105	- 43	B-101	B-117	B-136
			7610	776	1.73				7610	776	1.73	1 -	6110	- 43	B-101	B-117	B-136
			7610	776	2.03				7610	776	2.03	1 -	6115	- 43	B-101	B-117	B-136
28.4	239	24.4	9810	1000	2.55	34.3	198	20.2	9640	983	2.55	1 -	6120	- 43	B-101	B-117	B-136
			5400	550	1.03				5390	549	1.03	1 -	6105	- 51	B-101	B-117	B-136
			7610	776	1.26				7610	776	1.26	1 -	6110	- 51	B-101	B-117	B-136
			7610	776	1.48				7610	776	1.48	1 -	6115	- 51	B-101	B-117	B-136
			9810	1000	2.17				9810	1000	2.29	1 -	6120	- 51	B-101	B-117	B-136
24.6	277	28.2	9810	1000	2.63	29.7	229	23.4	9810	1000	3.04	1 -	6125	- 51	B-101	B-117	B-136
			5400	550	0.91				5370	548	0.94	1 -	6105	- 59	B-101	B-117	B-136
			7610	776	1.15				7610	776	1.15	1 -	6110	- 59	B-101	B-117	B-136
			7610	776	1.35				7610	776	1.35	1 -	6115	- 59	B-101	B-117	B-136
			9810	1000	1.73				9810	1000	1.73	1 -	6120	- 59	B-101	B-117	B-136
20.4	333	34.0	9810	1000	2.16	24.6	276	28.1	9810	1000	2.16	1 -	6125	- 59	B-101	B-117	B-136
			13200	1340	2.81				12400	1270	2.92	1 -	6130	- 59	B-102	B-118	B-137
			7610	775	1.01				7610	776	1.01	1 -	6115	- 71	B-101	B-117	B-136
			9810	1000	1.28				9810	1000	1.28	1 -	6120	- 71	B-101	B-117	B-136
			9810	1000	1.52				9810	1000	1.60	1 -	6125	- 71	B-101	B-117	B-136
16.7	408	41.6	14000	1420	2.35	20.1	338	34.5	13100	1340	2.44	1 -	6130	- 71	B-102	B-118	B-137
			14000	1420	2.71				13100	1340	2.89	1 -	6135	- 71	B-102	B-118	B-137
			7550	770	1.01				7610	776	1.01	1 -	6115	- 87	B-101	B-117	B-136
			9810	1000	1.26				9810	1000	1.26	1 -	6120	- 87	B-101	B-117	B-136
			9810	1000	1.37				9810	1000	1.51	1 -	6125	- 87	B-101	B-117	B-136
13.9	462	47.1	14700	1500	1.89	16.8	383	39.1	14200	1440	1.89	1 -	6130	- 87	B-102	B-118	B-137
			14700	1500	2.20				14200	1440	2.55	1 -	6135	- 87	B-102	B-118	B-137
			16000	1630	2.64				16000	1630	2.64	1 -	6140	- 87	B-102	B-118	B-137
			16000	1630	2.88				16000	1630	3.31	1 -	6145	- 87	B-102	B-118	B-137
			9810	1000	1.14				9810	1000	1.37	1 -	6120DB	- 104	B-108	B-124	B-143
			9810	1000	1.36				9810	1000	1.64	1 -	6125DB	- 104	B-108	B-124	B-143
			14700	1500	1.69				14700	1500	2.04	1 -	6130DB	- 104	B-109	B-125	B-144
			14700	1500	2.03				14700	1500	2.13	1 -	6135DB	- 104	B-109	B-125	B-144
12.0	538	54.8	14700	1500	2.03	14.5	446	45.4	14700	1500	2.45	1 -	6135DC	- 104	B-109	B-125	B-144
			16000	1630	2.13				16000	1630	2.13	1 -	6140DB	- 104	B-109	B-125	B-144
			16000	1630	2.65				16000	1630	3.20	1 -	6140DC	- 104	B-109	B-125	B-144
			16000	1630	2.96				16000	1630	3.58	1 -	6145DC	- 104	B-109	B-125	B-144
			9810	1000	1.16				9810	1000	1.40	1 -	6125DB	- 121	B-108	B-124	B-143
			14700	1500	1.45				14700	1500	1.75	1 -	6130DB	- 121	B-109	B-125	B-144
			14700	1500	1.75				14700	1500	2.11	1 -	6135DB	- 121	B-109	B-125	B-144
			16000	1630	2.13				16000	1630	2.13	1 -	6140DB	- 121	B-109	B-125	B-144

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



0.75 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

50Hz						60Hz					Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM	
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM	
10.1	525	53.5	9810	1000	*1	12.2	525	53.5	9810	1000	*1	1 - 6120DB	- 143		B-108	B-124	B-143	
			9810	1000	0.98				9810	1000	1.20	1 - 6125DB	- 143		B-108	B-124	B-143	
			14700	1500	1.23				14700	1500	1.48	1 - 6130DB	- 143		B-109	B-125	B-144	
			14700	1500	1.48				14700	1500	1.78	1 - 6135DB	- 143		B-109	B-125	B-144	
			16000	1630	1.93				16000	1630	2.13	1 - 6140DB	- 143		B-109	B-125	B-144	
			16000	1630	1.93				16000	1630	2.33	1 - 6140DC	- 143		B-109	B-125	B-144	
			16000	1630	2.13				16000	1630	2.13	1 - 6145DB	- 143		B-109	B-125	B-144	
			16000	1630	2.15				16000	1630	2.60	1 - 6145DC	- 143		B-109	B-125	B-144	
			22100	2250	2.76				22100	2250	3.33	1 - 6160DB	- 143		B-110	B-126	B-145	
8.79	525	53.5	9810	1000	*1	10.6	525	53.5	9810	1000	*1	1 - 6120DB	- 165		B-108	B-124	B-143	
			9810	1000	0.86				9810	1000	1.04	1 - 6125DB	- 165		B-108	B-124	B-143	
			14700	1500	1.06				14700	1500	1.28	1 - 6130DB	- 165		B-109	B-125	B-144	
			14700	1500	1.28				14700	1500	1.55	1 - 6135DB	- 165		B-109	B-125	B-144	
			16000	1630	1.67				16000	1630	2.02	1 - 6140DB	- 165		B-109	B-125	B-144	
			16000	1630	1.85				16000	1630	2.13	1 - 6145DB	- 165		B-109	B-125	B-144	
			16000	1630	1.85				16000	1630	2.23	1 - 6145DC	- 165		B-109	B-125	B-144	
			22100	2250	2.13				22100	2250	2.13	1 - 6160DA	- 165		B-110	B-126	B-145	
			22100	2250	2.39				22100	2250	2.89	1 - 6160DB	- 165		B-110	B-126	B-145	
			22100	2250	2.86				22100	2250	3.46	1 - 6165DB	- 165		B-110	B-126	B-145	
7.44	630	64.2	9810	1000	*1	8.97	630	64.2	9810	1000	*1	1 - 6125DB	- 195		B-108	B-124	B-143	
			14700	1500	1.08				14700	1500	1.31	1 - 6135DB	- 195		B-109	B-125	B-144	
			16000	1630	1.41				16000	1630	1.71	1 - 6140DB	- 195		B-109	B-125	B-144	
			16000	1630	1.57				16000	1630	1.89	1 - 6145DB	- 195		B-109	B-125	B-144	
			22100	2250	2.02				22100	2250	2.13	1 - 6160DA	- 195		B-110	B-126	B-145	
			22100	2250	2.02				22100	2250	2.44	1 - 6160DB	- 195		B-110	B-126	B-145	
			22100	2250	2.13				22100	2250	2.13	1 - 6165DA	- 195		B-110	B-126	B-145	
			22100	2250	2.42				22100	2250	2.92	1 - 6165DB	- 195		B-110	B-126	B-145	
			29500	3010	2.92				29500	3010	3.52	1 - 6170DB	- 195		B-110	B-126	B-145	
6.28	630	64.2	9810	1000	*1	7.58	630	64.2	9810	1000	*1	1 - 6125DB	- 231		B-108	B-124	B-143	
	780	79.5	14700	1500	*1			780	79.5	14700	1500	*1	1 - 6130DB	- 231		B-109	B-125	B-144
			14700	1500	0.92					14700	1500	1.10	1 - 6135DB	- 231		B-109	B-125	B-144
			16000	1630	1.19					16000	1630	1.44	1 - 6140DB	- 231		B-109	B-125	B-144
			16000	1630	1.30					16000	1630	1.57	1 - 6145DB	- 231		B-109	B-125	B-144
			22100	2250	1.71					22100	2250	2.06	1 - 6160DA	- 231		B-110	B-126	B-145
			22100	2250	2.04					22100	2250	2.13	1 - 6165DA	- 231		B-110	B-126	B-145
			22100	2250	2.04					22100	2250	2.47	1 - 6165DB	- 231		B-110	B-126	B-145
			29500	3010	2.13					29500	3010	2.13	1 - 6170DA	- 231		B-110	B-126	B-145
			29500	3010	2.46					29500	3010	2.97	1 - 6170DB	- 231		B-110	B-126	B-145
5.31	780	79.5	14700	1500	*1	6.41	780	79.5	14700	1500	*1	1 - 6130DB	- 273		B-109	B-125	B-144	
	940	95.8	14700	1500	*1			940	95.8	14700	1500	*1	1 - 6135DB	- 273		B-109	B-125	B-144
			16000	1630	1.01					16000	1630	1.22	1 - 6140DB	- 273		B-109	B-125	B-144
			16000	1630	1.10					16000	1630	1.33	1 - 6145DB	- 273		B-109	B-125	B-144
			22100	2250	1.45					22100	2250	1.75	1 - 6160DA	- 273		B-110	B-126	B-145
			22100	2250	1.73					22100	2250	2.09	1 - 6165DA	- 273		B-110	B-126	B-145
			29500	3010	2.08					29500	3010	2.13	1 - 6170DA	- 273		B-110	B-126	B-145
			29500	3010	2.08					29500	3010	2.52	1 - 6170DB	- 273		B-110	B-126	B-145
			29500	3010	2.13					29500	3010	2.13	1 - 6175DA	- 273		B-110	B-126	B-145
			29500	3010	2.60					29500	3010	3.13	1 - 6175DB	- 273		B-110	B-126	B-145

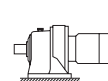
GEARMOTORS

Selection Tables
0.75 kW

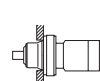
- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

0.75 kW	n ₁ : Motor Speed					
	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



CHHM/CNHM



CHFM/CNFM

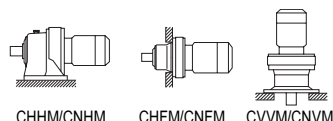


CVVM/CNVVM

50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque T _{out}		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque T _{out}		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVMM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
4.55	940	95.8	14700	1500	*1	5.49	940	95.8	14700	1500	*1	1 -	6135DB	- 319	B-109	B-125	B-144
	1420	145					16000	1630	1.17	1 -	6145DB	- 319	B-109	B-125	B-144		
							22100	2250	1.49	1 -	6160DA	- 319	B-110	B-126	B-145		
							22100	2250	1.79	1 -	6165DA	- 319	B-110	B-126	B-145		
							29500	3010	2.13	1 -	6170DA	- 319	B-110	B-126	B-145		
							29500	3010	2.15	1 -	6170DB	- 319	B-110	B-126	B-145		
							29500	3010	2.13	1 -	6175DA	- 319	B-110	B-126	B-145		
							29500	3010	2.68	1 -	6175DB	- 319	B-110	B-126	B-145		
							41700	4250	3.45	1 -	6180DA	- 319	B-110	B-126	B-145		
3.85	1230	125	16000	1630	*1	4.64	1230	125	16000	1630	*1	1 -	6140DB	- 377	B-109	B-125	B-144
	1370	140	15800	1610	*1		1370	140	15800	1610	*1	1 -	6145DB	- 377	B-109	B-125	B-144
	1680	171					15700	1600	0.98	1 -	6145DB	- 377	B-109	B-125	B-144		
							22100	2250	1.26	1 -	6160DA	- 377	B-110	B-126	B-145		
							22100	2250	1.51	1 -	6165DA	- 377	B-110	B-126	B-145		
							29500	3010	1.82	1 -	6170DA	- 377	B-110	B-126	B-145		
							29500	3010	2.13	1 -	6175DA	- 377	B-110	B-126	B-145		
							29500	3010	2.27	1 -	6175DB	- 377	B-110	B-126	B-145		
							41700	4250	2.92	1 -	6180DA	- 377	B-110	B-126	B-145		
							41700	4250	3.60	1 -	6185DA	- 377	B-110	B-126	B-145		
3.07	1370	140	15700	1600	*1	3.70	1370	140	15700	1600	*1	1 -	6145DB	- 473	B-109	B-125	B-144
	1740	177	22100	2250	*1		1740	177	22100	2250	*1	1 -	6160DA	- 473	B-110	B-126	B-145
	2100	214					22100	2250	1.21	1 -	6165DA	- 473	B-110	B-126	B-145		
							29500	3010	1.45	1 -	6170DA	- 473	B-110	B-126	B-145		
							29500	3010	1.81	1 -	6175DA	- 473	B-110	B-126	B-145		
							41700	4250	2.33	1 -	6180DA	- 473	B-110	B-126	B-145		
			41700	4250	2.87	1 -	6185DA	- 473	B-110	B-126	B-145						
2.59	1740	177	22100	2250	*1	3.13	1740	177	22100	2250	*1	1 -	6160DA	- 559	B-110	B-126	B-145
	2490	253					22100	2250	1.02	1 -	6165DA	- 559	B-110	B-126	B-145		
							29500	3010	1.23	1 -	6170DA	- 559	B-110	B-126	B-145		
							29500	3010	1.53	1 -	6175DA	- 559	B-110	B-126	B-145		
							41700	4250	1.97	1 -	6180DA	- 559	B-110	B-126	B-145		
							41700	4250	2.43	1 -	6185DA	- 559	B-110	B-126	B-145		
							59000	6010	3.10	1 -	6190DA	- 559	B-111	B-128	B-147		
2.23	2100	214	22100	2250	*1	2.70	2100	214	22100	2250	*1	1 -	6165DA	- 649	B-110	B-126	B-145
	2890	294					29500	3010	1.32	1 -	6175DA	- 649	B-110	B-126	B-145		
							41700	4250	1.69	1 -	6180DA	- 649	B-110	B-126	B-145		
							41700	4250	2.09	1 -	6185DA	- 649	B-110	B-126	B-145		
							59000	6010	2.67	1 -	6190DA	- 649	B-111	B-128	B-147		
							59000	6010	3.33	1 -	6195DA	- 649	B-111	B-128	B-147		
1.98	2100	214	22100	2250	*1	2.39	2100	214	22100	2250	*1	1 -	6165DA	- 731	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	1 -	6170DA	- 731	B-110	B-126	B-145
	3250	331					29500	3010	1.17	1 -	6175DA	- 731	B-110	B-126	B-145		
							41700	4250	1.51	1 -	6180DA	- 731	B-110	B-126	B-145		
							41700	4250	1.86	1 -	6185DA	- 731	B-110	B-126	B-145		
							59000	6010	2.37	1 -	6190DA	- 731	B-111	B-128	B-147		
			59000	6010	2.96	1 -	6195DA	- 731	B-111	B-128	B-147						
1.72	2530	258	29500	3010	*1	2.08	2530	258	29500	3010	*1	1 -	6170DA	- 841	B-110	B-126	B-145
	3740	381					29500	3010	1.02	1 -	6175DA	- 841	B-110	B-126	B-145		
							41700	4250	1.31	1 -	6180DA	- 841	B-110	B-126	B-145		
							41700	4250	1.61	1 -	6185DA	- 841	B-110	B-126	B-145		
							59000	6010	2.06	1 -	6190DA	- 841	B-111	B-128	B-147		
							59000	6010	2.57	1 -	6195DA	- 841	B-111	B-128	B-147		
1.45	3150	321	29500	3010	*1	1.74	3150	321	29500	3010	*1	1 -	6175DA	- 1003	B-110	B-126	B-145
	4460	455					41700	4250	1.35	1 -	6185DA	- 1003	B-110	B-126	B-145		
							59000	6010	1.73	1 -	6190DA	- 1003	B-111	B-128	B-147		
							59000	6010	2.15	1 -	6195DA	- 1003	B-111	B-128	B-147		

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



0.75 kW	n ₁ : Motor Speed			
	Hz		50Hz	
	P	r/min	4	6
			1450	980
			1750	1165

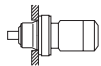
50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
1.16	4060	414	41700	4250	*1	1.40	4060	414	41700	4250	*1	1 -	6180DA	-1247	B-110	B-126	B-145
			41700	4250	0.90				41700	4250	1.09	1 -	6185DA	-1247	B-110	B-126	B-145
	5540	565	59000	6010	1.15		4590	468	59000	6010	1.39	1 -	6190DA	-1247	B-111	B-128	B-147
			59000	6010	1.44				59000	6010	1.73	1 -	6195DA	-1247	B-111	B-128	B-147
0.980	4060	414	41700	4250	*1	1.18	4060	414	41700	4250	*1	1 -	6180DA	-1479	B-110	B-126	B-145
	5000	510	41700	4250	*1		5000	510	41700	4250	*1	1 -	6185DA	-1479	B-110	B-126	B-145
	6580	670	58800	5990	1.21		5450	555	59000	6010	1.46	1 -	6195DA	-1479	B-111	B-128	B-147
0.784	5000	510	41700	4250	*1	0.946	5000	510	41700	4250	*1	1 -	6185DA	-1849	B-110	B-126	B-145
	6380	650	59000	6010	*1		6380	650	59000	6010	*1	1 -	6190DA	-1849	B-111	B-128	B-147
							6810	694	59000	6010	1.17	1 -	6195DA	-1849	B-111	B-128	B-147
	8220	838	58900	6000	0.97												
0.702	5000	510	41600	4240	*1	0.847	5000	510	41600	4240	*1	1 -	6185DA	-2065	B-110	B-126	B-145
	6380	650	58600	5970	*1		6380	650	58600	5970	*1	1 -	6190DA	-2065	B-111	B-128	B-147
	9180	936	57800	5890	0.87		7610	775	58200	5940	1.05	1 -	6195DA	-2065	B-111	B-128	B-147
0.572	6380	650	58600	5970	*1	0.690	6380	650	58600	5970	*1	1 -	6190DA	-2537	B-111	B-128	B-147
	7960	811	58100	5930	*1		7960	811	58100	5930	*1	1 -	6195DA	-2537	B-111	B-128	B-147
	9300	948	84100	8570	*1		9300	948	84100	8570	*1	1 -	6205DA	-2537	B-112	B-129	B-148
	11300	1150	84100	8570	0.82		9350	953	84100	8570	1.00	1 -	6205DA	-2537	B-112	B-129	B-148
0.476	6380	650	58900	6000	*1	0.575	6380	650	58900	6000	*1	1 -	6190DA	-3045	B-111	B-128	B-147
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1 -	6195DA	-3045	B-111	B-128	B-147
	8760	893	84100	8570	*1		8760	893	84100	8570	*1	1 -	6205DA	-3045	B-112	B-129	B-148
0.417	6380	650	58600	5970	*1	0.503	6380	650	58600	5970	*1	1 -	6190DA	-3481	B-111	B-128	B-147
	7960	811	58100	5930	*1		7960	811	58100	5930	*1	1 -	6195DA	-3481	B-111	B-128	B-147
	9300	948	84100	8570	*1		9300	948	84100	8570	*1	1 -	6205DA	-3481	B-112	B-129	B-148
0.327	6380	650	58900	6000	*1	0.394	6380	650	58900	6000	*1	1 -	6190DA	-4437	B-111	B-128	B-147
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1 -	6195DA	-4437	B-111	B-128	B-147
	8760	893	84100	8570	*1		8760	893	84100	8570	*1	1 -	6205DA	-4437	B-112	B-129	B-148
0.282	6380	650	58900	6000	*1	0.341	6380	650	58900	6000	*1	1 -	6190DA	-5133	B-111	B-128	B-147
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1 -	6195DA	-5133	B-111	B-128	B-147
	9300	948	84100	8570	*1		9300	948	84100	8570	*1	1 -	6205DA	-5133	B-112	B-129	B-148
0.235	6380	650	58900	6000	*1	0.283	6380	650	58900	6000	*1	1 -	6190DA	-6177	B-111	B-128	B-147
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1 -	6195DA	-6177	B-111	B-128	B-147
	8760	893	84100	8570	*1		8760	893	84100	8570	*1	1 -	6205DA	-6177	B-112	B-129	B-148
0.192	6380	650	58900	6000	*1	0.231	6380	650	58900	6000	*1	1 -	6190DA	-7569	B-111	B-128	B-147
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1 -	6195DA	-7569	B-111	B-128	B-147
	8760	893	84100	8570	*1		8760	893	84100	8570	*1	1 -	6205DA	-7569	B-112	B-129	B-148

GEARMOTORS

Selection Tables
0.75 kW

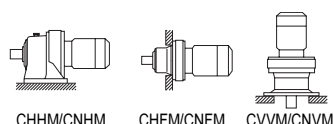
- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

1.1 kW		n ₁ : Motor Speed				  												
		Hz		50Hz		60Hz												
		P		4	6	4	6											
		n ₁ r/min		1450	980	1750	1165											
50Hz					60Hz					Nomenclature			Page of Dimension Sheet					
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM			
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM			
580	17.2	1.75	1200	122	1.50	700	14.3	1.45	1140	116	1.50	1H -	6080SK	- 2.5	*3	B-98	-	B-133
			1200	122	1.87				1140	116	1.87	1H -	6085SK	- 2.5	*3	B-98	-	B-133
			2230	227	2.18				2120	216	2.18	1H -	6090SK	- 2.5	*3	B-98	-	B-133
			2230	227	2.46				2120	216	2.46	1H -	6095SK	- 2.5	*3	B-98	-	B-133
			2230	227	2.90				2120	216	2.90	1H -	6100SK	- 2.5	*3	B-99	-	B-134
			2230	227	3.41				2120	216	3.41	1H -	6105SK	- 2.5	*3	B-99	-	B-134
483	20.6	2.10	1250	127	1.50	583	17.1	1.74	1200	122	1.50	1H -	6080SK	- 3	*3	B-98	-	B-133
			1250	127	1.87				1200	122	1.87	1H -	6085SK	- 3	*3	B-98	-	B-133
			2310	235	2.13				2210	225	2.13	1H -	6090SK	- 3	*3	B-98	-	B-133
			2310	235	2.39				2210	225	2.39	1H -	6095SK	- 3	*3	B-98	-	B-133
363	27.5	2.81	1330	136	1.50	438	22.8	2.33	1290	131	1.50	1H -	6080SK	- 4	*3	B-98	-	B-133
			1330	136	1.87				1290	131	1.87	1H -	6085SK	- 4	*3	B-98	-	B-133
			2560	261	2.13				2450	250	2.13	1H -	6090SK	- 4	*3	B-98	-	B-133
			2560	261	2.39				2450	250	2.39	1H -	6095SK	- 4	*3	B-98	-	B-133
			2560	261	2.93				2450	250	2.93	1H -	6100SK	- 4	*3	B-99	-	B-134
			2560	261	3.45				2450	250	3.45	1H -	6105SK	- 4	*3	B-99	-	B-134
290	34.4	3.51	1420	145	1.41	350	28.5	2.91	1370	140	1.41	1H -	6080SK	- 5	*3	B-98	-	B-133
			1420	145	1.65				1370	140	1.65	1H -	6085SK	- 5	*3	B-98	-	B-133
			2740	279	2.03				2600	265	2.03	1H -	6090SK	- 5	*3	B-98	-	B-133
			2740	279	2.39				2600	265	2.39	1H -	6095SK	- 5	*3	B-98	-	B-133
			2740	279	2.86				2600	265	2.86	1H -	6100SK	- 5	*3	B-99	-	B-134
			2740	279	3.36				2600	265	3.36	1H -	6105SK	- 5	*3	B-99	-	B-134
242	41.3	4.21	1450	148	1.18	292	34.2	3.49	1410	144	1.18	1H -	6080SK	- 6	*3	B-98	-	B-133
			1450	148	1.47				1410	144	1.47	1H -	6085SK	- 6	*3	B-98	-	B-133
			2800	285	1.74				2670	272	1.74	1H -	6090SK	- 6	*3	B-98	-	B-133
			2800	285	2.06				2670	272	2.06	1H -	6095SK	- 6	*3	B-98	-	B-133
			2800	285	2.43				2670	272	2.43	1H -	6100SK	- 6	*3	B-99	-	B-134
			2800	285	2.85				2670	272	2.85	1H -	6105SK	- 6	*3	B-99	-	B-134
			2820	287	1.05				2650	270	1.05	1H -	6090	- 6		B-100	B-116	B-135
			2820	287	1.38				2650	270	1.38	1H -	6095	- 6		B-100	B-116	B-135
			4140	422	2.14				3900	397	2.14	1H -	6100	- 6		B-101	B-117	B-136
			4140	422	2.89				3900	397	2.89	1H -	6105	- 6		B-101	B-117	B-136
181	55.1	5.61	1490	152	1.00	219	45.6	4.65	1450	148	1.00	1H -	6080SK	- 8	*3	B-98	-	B-133
			1490	152	1.25				1450	148	1.25	1H -	6085SK	- 8	*3	B-98	-	B-133
			3060	312	1.37				2930	299	1.37	1H -	6090SK	- 8	*3	B-98	-	B-133
			3060	312	1.61				2930	299	1.61	1H -	6095SK	- 8	*3	B-98	-	B-133
			3060	312	1.92				2930	299	1.92	1H -	6100SK	- 8	*3	B-99	-	B-134
			3060	312	2.26				2930	299	2.26	1H -	6105SK	- 8	*3	B-99	-	B-134
			4080	416	3.37				3870	395	3.37	1H -	6110SK	- 8	*3	B-99	-	B-134
			3130	319	1.05				2950	301	1.05	1H -	6090	- 8		B-100	B-116	B-135
			3130	319	1.38				2950	301	1.38	1H -	6095	- 8		B-100	B-116	B-135
			4620	471	2.14				4350	443	2.14	1H -	6100	- 8		B-101	B-117	B-136
4620	471	2.89	4350	443	2.89	1H -	6105	- 8		B-101	B-117	B-136						
145	68.8	7.02	1540	157	1.00	175	57.0	5.81	1510	154	1.00	1H -	6085SK	- 10	*3	B-98	-	B-133
			3220	328	1.27				3070	313	1.27	1H -	6090SK	- 10	*3	B-98	-	B-133
			3220	328	1.61				3070	313	1.61	1H -	6095SK	- 10	*3	B-98	-	B-133
			3220	328	1.80				3070	313	1.80	1H -	6100SK	- 10	*3	B-99	-	B-134
			3220	328	2.00				3070	313	2.00	1H -	6105SK	- 10	*3	B-99	-	B-134
			4400	449	2.78				4180	426	2.78	1H -	6110SK	- 10	*3	B-99	-	B-134
4400	449	3.47	4180	426	3.47	1H -	6115SK	- 10	*3	B-99	-	B-134						
132	75.7	7.72	3340	340	1.05	159	62.7	6.39	3340	340	1.05	1H -	6090	- 11		B-100	B-116	B-135
			3340	340	1.38				3340	340	1.38	1H -	6095	- 11		B-100	B-116	B-135
			5250	536	2.14				4950	504	2.14	1H -	6100	- 11		B-101	B-117	B-136
			5250	536	2.89				4950	504	2.89	1H -	6105	- 11		B-101	B-117	B-136

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors

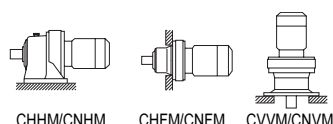


1.1 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
112	89.5	9.12	3340	340	1.05	135	74.1	7.56	3340	340	1.05	1H -	6090	- 13	B-100	B-116	B-135
			3340	340	1.38				1H -	6095	- 13	B-100	B-116	B-135			
			5400	550	2.14				1H -	6100	- 13	B-101	B-117	B-136			
			5400	550	2.89				1H -	6105	- 13	B-101	B-117	B-136			
96.7	103	10.5	3340	340	1.05	117	85.5	8.72	3340	340	1.05	1H -	6090	- 15	B-100	B-116	B-135
			3340	340	1.38				1H -	6095	- 15	B-100	B-116	B-135			
			5400	550	2.14				1H -	6100	- 15	B-101	B-117	B-136			
			5400	550	2.89				1H -	6105	- 15	B-101	B-117	B-136			
85.3	117	11.9	3340	340	1.05	103	96.9	9.88	3340	340	1.05	1H -	6090	- 17	B-100	B-116	B-135
			3340	340	1.38				1H -	6095	- 17	B-100	B-116	B-135			
			5400	550	1.81				1H -	6100	- 17	B-101	B-117	B-136			
			5400	550	2.24				1H -	6105	- 17	B-101	B-117	B-136			
			6660	679	2.89				1H -	6110	- 17	B-101	B-117	B-136			
69.0	145	14.7	3340	340	1.37	83.3	120	12.2	3340	340	1.38	1H -	6095	- 21	B-100	B-116	B-135
			5400	550	1.73				1H -	6100	- 21	B-101	B-117	B-136			
			5400	550	2.07				1H -	6105	- 21	B-101	B-117	B-136			
			7080	722	2.47				1H -	6110	- 21	B-101	B-117	B-136			
			7080	722	2.83				1H -	6115	- 21	B-101	B-117	B-136			
58.0	172	17.5	5400	550	1.15	70.0	143	14.5	5400	550	1.15	1H -	6100	- 25	B-101	B-117	B-136
			5400	550	1.52				1H -	6105	- 25	B-101	B-117	B-136			
			7180	732	1.74				1H -	6110	- 25	B-101	B-117	B-136			
			7180	732	2.02				1H -	6115	- 25	B-101	B-117	B-136			
			8700	887	2.81				1H -	6120	- 25	B-101	B-117	B-136			
50.0	200	20.3	5400	550	1.10	60.3	165	16.9	5400	550	1.10	1H -	6100	- 29	B-101	B-117	B-136
			5400	550	1.45				1H -	6105	- 29	B-101	B-117	B-136			
			7350	750	1.73				1H -	6110	- 29	B-101	B-117	B-136			
			7350	750	2.02				1H -	6115	- 29	B-101	B-117	B-136			
			9050	922	2.61				1H -	6120	- 29	B-101	B-117	B-136			
41.4	241	24.6	5400	550	1.09	50.0	200	20.3	5400	550	1.09	1H -	6105	- 35	B-101	B-117	B-136
			7400	754	1.36				1H -	6110	- 35	B-101	B-117	B-136			
			7400	754	1.65				1H -	6115	- 35	B-101	B-117	B-136			
			9560	975	2.15				1H -	6120	- 35	B-101	B-117	B-136			
9560	975	2.62	1H -	6125	- 35	B-101	B-117	B-136									
33.7	296	30.2	5400	550	0.98	40.7	245	25.0	5380	548	0.98	1H -	6105	- 43	B-101	B-117	B-136
			7610	776	1.18				1H -	6110	- 43	B-101	B-117	B-136			
			7610	776	1.38				1H -	6115	- 43	B-101	B-117	B-136			
			9810	1000	1.74				1H -	6120	- 43	B-101	B-117	B-136			
			9810	1000	2.13				1H -	6125	- 43	B-101	B-117	B-136			
12000	1220	2.64	1H -	6130	- 43	B-102	B-118	B-137									
28.4	351	35.8	7600	775	1.01	34.3	291	29.6	7610	776	1.01	1H -	6115	- 51	B-101	B-117	B-136
			9810	1000	1.48				1H -	6120	- 51	B-101	B-117	B-136			
			9810	1000	1.79				1H -	6125	- 51	B-101	B-117	B-136			
			12500	1270	2.22				1H -	6130	- 51	B-102	B-118	B-137			
			12500	1270	2.32				1H -	6135	- 51	B-102	B-118	B-137			
24.6	406	41.4	7570	772	0.92	29.7	336	34.3	7610	776	0.92	1H -	6115	- 59	B-101	B-117	B-136
			9810	1000	1.18				1H -	6120	- 59	B-101	B-117	B-136			
			9810	1000	1.47				1H -	6125	- 59	B-101	B-117	B-136			
			13100	1340	1.92				1H -	6130	- 59	B-102	B-118	B-137			
			13100	1340	2.22				1H -	6135	- 59	B-102	B-118	B-137			
			16000	1630	2.69				1H -	6140	- 59	B-102	B-118	B-137			
16000	1630	2.89	1H -	6145	- 59	B-102	B-118	B-137									
20.4	489	49.8	9810	1000	1.04	24.6	405	41.3	9810	1000	1.09	1H -	6125	- 71	B-101	B-117	B-136
			13900	1410	1.60				1H -	6130	- 71	B-102	B-118	B-137			
			13900	1410	1.85				1H -	6135	- 71	B-102	B-118	B-137			
			16000	1630	2.21				1H -	6140	- 71	B-102	B-118	B-137			
			16000	1630	2.38				1H -	6145	- 71	B-102	B-118	B-137			

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

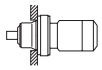


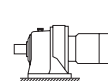
1.1 kW	n ₁ : Motor Speed			
	Hz		50Hz	
	P	r/min	4	6
			1450	980
			1750	1165

50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
7.44	780	79.5	14700	1500	*1	8.97	780	79.5	14700	1500	*1	1H -	6130DB	- 195	B-109	B-125	B-144
	940	95.8	14700	1500	*1		940	95.8	14700	1500	*1	1H -	6135DB	- 195	B-109	B-125	B-144
			16000	1630	1.07				16000	1630	1.29	1H -	6145DB	- 195	B-109	B-125	B-144
			22100	2250	1.38				22100	2250	1.45	1H -	6160DA	- 195	B-110	B-126	B-145
			22100	2250	1.38				22100	2250	1.67	1H -	6160DB	- 195	B-110	B-126	B-145
	1270	130	22100	2250	1.45		1050	107	22100	2250	1.45	1H -	6165DA	- 195	B-110	B-126	B-145
			22100	2250	1.65				22100	2250	1.99	1H -	6165DB	- 195	B-110	B-126	B-145
			29500	3010	1.99				29500	3010	2.40	1H -	6170DB	- 195	B-110	B-126	B-145
			29500	3010	2.48				29500	3010	2.99	1H -	6175DB	- 195	B-110	B-126	B-145
6.28	940	95.8	14700	1500	*1	7.58	940	95.8	14700	1500	*1	1H -	6135DB	- 231	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	1H -	6140DB	- 231	B-109	B-125	B-144
			15500	1580	0.89				16000	1630	1.07	1H -	6145DB	- 231	B-109	B-125	B-144
			22100	2250	1.17				22100	2250	1.41	1H -	6160DA	- 231	B-110	B-126	B-145
			22100	2250	1.39				22100	2250	1.45	1H -	6165DA	- 231	B-110	B-126	B-145
			22100	2250	1.39				22100	2250	1.68	1H -	6165DB	- 231	B-110	B-126	B-145
	1510	154	29500	3010	1.45		1250	127	29500	3010	1.45	1H -	6170DA	- 231	B-110	B-126	B-145
			29500	3010	1.68				29500	3010	2.03	1H -	6170DB	- 231	B-110	B-126	B-145
			29500	3010	2.09				29500	3010	2.52	1H -	6175DB	- 231	B-110	B-126	B-145
			41700	4250	2.69				41700	4250	3.05	1H -	6180DA	- 231	B-110	B-126	B-145
		41700	4250	2.69			41700	4250	3.25	1H -	6180DB	- 231	B-111	B-127	B-146		
5.31	1230	125	16000	1630	*1	6.41	1230	125	16000	1630	*1	1H -	6140DB	- 273	B-109	B-125	B-144
	1340	136	16000	1630	*1		1340	136	16000	1630	*1	1H -	6145DB	- 273	B-109	B-125	B-144
			22100	2250	1.18				22100	2250	1.42	1H -	6165DA	- 273	B-110	B-126	B-145
			29500	3010	1.42				29500	3010	1.45	1H -	6170DA	- 273	B-110	B-126	B-145
			29500	3010	1.42				29500	3010	1.72	1H -	6170DB	- 273	B-110	B-126	B-145
			29500	3010	1.45				29500	3010	1.45	1H -	6175DA	- 273	B-110	B-126	B-145
	1780	181	29500	3010	1.77		1470	150	29500	3010	2.14	1H -	6175DB	- 273	B-110	B-126	B-145
			41700	4250	2.28				41700	4250	2.75	1H -	6180DA	- 273	B-110	B-126	B-145
			41700	4250	2.81				41700	4250	3.05	1H -	6185DA	- 273	B-110	B-126	B-145
			41700	4250	2.81				41700	4250	3.39	1H -	6185DB	- 273	B-111	B-127	B-146
4.55	1230	125	16000	1630	*1	5.49	1230	125	16000	1630	*1	1H -	6140DB	- 319	B-109	B-125	B-144
	1370	140	15800	1610	*1		1370	140	15800	1610	*1	1H -	6145DB	- 319	B-109	B-125	B-144
			22100	2250	1.01				22100	2250	1.22	1H -	6165DA	- 319	B-110	B-126	B-145
			29500	3010	1.22				29500	3010	1.45	1H -	6170DA	- 319	B-110	B-126	B-145
			29500	3010	1.22				29500	3010	1.47	1H -	6170DB	- 319	B-110	B-126	B-145
			29500	3010	1.45				29500	3010	1.45	1H -	6175DA	- 319	B-110	B-126	B-145
	2080	212	29500	3010	1.51		1720	176	29500	3010	1.83	1H -	6175DB	- 319	B-110	B-126	B-145
			41700	4250	1.95				41700	4250	2.35	1H -	6180DA	- 319	B-110	B-126	B-145
		41700	4250	2.40			41700	4250	2.90	1H -	6185DA	- 319	B-110	B-126	B-145		
3.85	1760	179	22100	2250	*1	4.64	1760	179	22100	2250	*1	1H -	6160DA	- 377	B-110	B-126	B-145
			22100	2250	0.85				22100	2250	1.03	1H -	6165DA	- 377	B-110	B-126	B-145
			29500	3010	1.03				29500	3010	1.24	1H -	6170DA	- 377	B-110	B-126	B-145
			29500	3010	1.28				29500	3010	1.45	1H -	6175DA	- 377	B-110	B-126	B-145
			29500	3010	1.28				29500	3010	1.55	1H -	6175DB	- 377	B-110	B-126	B-145
	2460	251	29500	3010	1.28		2040	208	29500	3010	1.55	1H -	6175DB	- 377	B-110	B-126	B-145
			41700	4250	1.65				41700	4250	1.99	1H -	6180DA	- 377	B-110	B-126	B-145
			41700	4250	2.03				41700	4250	2.45	1H -	6185DA	- 377	B-110	B-126	B-145
			59000	6010	2.60				59000	6010	3.13	1H -	6190DA	- 377	B-111	B-128	B-147

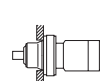
- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

1.1 kW		n ₁ : Motor Speed																
		Hz		50Hz		60Hz												
		P		4	6	4	6											
		n ₁ r/min		1450	980	1750	1165											
50Hz						60Hz						Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM			
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM			
3.07	2100	214	22100	2250	*1	3.70	2100	214	22100	2250	*1	1H - 6165DA - 473	B-110	B-126	B-145			
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	1H - 6170DA - 473	B-110	B-126	B-145			
	29500		3010	1.02	29500		3010	1.23	1H - 6175DA - 473	B-110	B-126	B-145						
	41700		4250	1.32	41700		4250	1.59	1H - 6180DA - 473	B-110	B-126	B-145						
	3080	314	41700	4250	1.62		2560	260	41700	4250	1.96	1H - 6185DA - 473	B-110	B-126	B-145			
	59000		6010	2.07	59000		6010	2.50	1H - 6190DA - 473	B-111	B-128	B-147						
59000		6010	2.58	59000		6010	3.11	1H - 6195DA - 473	B-111	B-128	B-147							
2.59	2100	214	22100	2250	*1	3.13	2100	214	22100	2250	*1	1H - 6165DA - 559	B-110	B-126	B-145			
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	1H - 6170DA - 559	B-110	B-126	B-145			
	29500		3010	0.86	29500		3010	1.04	1H - 6175DA - 559	B-110	B-126	B-145						
	41700		4250	1.11	41700		4250	1.34	1H - 6180DA - 559	B-110	B-126	B-145						
	3640	372	41700	4250	1.37		3020	308	41700	4250	1.66	1H - 6185DA - 559	B-110	B-126	B-145			
	59000		6010	1.75	59000		6010	2.11	1H - 6190DA - 559	B-111	B-128	B-147						
59000		6010	2.18	59000		6010	2.64	1H - 6195DA - 559	B-111	B-128	B-147							
2.23	2530	258	29500	3010	*1	2.70	2530	258	29500	3010	*1	1H - 6170DA - 649	B-110	B-126	B-145			
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	1H - 6175DA - 649	B-110	B-126	B-145			
	41700		4250	1.18	41700		4250	1.43	1H - 6185DA - 649	B-110	B-126	B-145						
	4230	431	59000	6010	1.51		3510	357	59000	6010	1.82	1H - 6190DA - 649	B-111	B-128	B-147			
	59000		6010	1.88	59000		6010	2.27	1H - 6195DA - 649	B-111	B-128	B-147						
1.98	3150	321	29500	3010	*1	2.39	3150	321	29500	3010	*1	1H - 6175DA - 731	B-110	B-126	B-145			
	41700		4250	1.05	41700		4250	1.27	1H - 6185DA - 731	B-110	B-126	B-145						
	4770	486	59000	6010	1.34		3950	403	59000	6010	1.62	1H - 6190DA - 731	B-111	B-128	B-147			
	59000		6010	1.67	59000		6010	2.02	1H - 6195DA - 731	B-111	B-128	B-147						
1.72	3150	321	29500	3010	*1	2.08	3150	321	29500	3010	*1	1H - 6175DA - 841	B-110	B-126	B-145			
	4050	413	41700	4250	*1		4050	413	41700	4250	*1	1H - 6180DA - 841	B-110	B-126	B-145			
	41700		4250	0.91	41700		4250	1.10	1H - 6185DA - 841	B-110	B-126	B-145						
	5480	559	59000	6010	1.16		4540	463	59000	6010	1.40	1H - 6190DA - 841	B-111	B-128	B-147			
59000		6010	1.45	59000		6010	1.75	1H - 6195DA - 841	B-111	B-128	B-147							
1.45	4050	413	41700	4250	*1	1.74	4050	413	41700	4250	*1	1H - 6180DA - 1003	B-110	B-126	B-145			
	5000	510	41600	4240	*1		5000	510	41600	4240	*1	1H - 6185DA - 1003	B-110	B-126	B-145			
	6540	667	58500	5970	1.22		5420	552	58800	6000	1.47	1H - 6195DA - 1003	B-111	B-128	B-147			
1.16	5000	510	41700	4250	*1	1.40	5000	510	41700	4250	*1	1H - 6185DA - 1247	B-110	B-126	B-145			
	6380	650	59000	6010	*1		6380	650	59000	6010	*1	1H - 6190DA - 1247	B-111	B-128	B-147			
	8130	829	58900	6010	0.98		6740	687	59000	6010	1.18	1H - 6195DA - 1247	B-111	B-128	B-147			
0.980	6380	650	58900	6000	*1	1.18	6380	650	58900	6000	*1	1H - 6190DA - 1479	B-111	B-128	B-147			
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1H - 6195DA - 1479	B-111	B-128	B-147			
	9640	983	57800	5900	0.83		7990	815	58400	5950	1.00	1H - 6195DA - 1479	B-111	B-128	B-147			
0.784	7960	811	59000	6010	*1	0.946	7960	811	59000	6010	*1	1H - 6195DA - 1849	B-111	B-128	B-147			
0.702	7960	811	58100	5930	*1	0.847	7960	811	58100	5930	*1	1H - 6195DA - 2065	B-111	B-128	B-147			



CHHM/CNHM



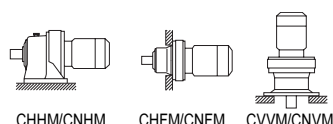
CHFM/CNFM



CVVM/CNVM

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



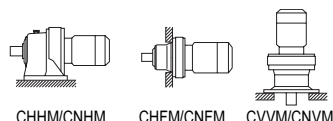
1.5 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

50Hz					60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
580	23.5	2.39	1130	115	700	19.4	1.98	1090	111	2 - 6080SK	- 2.5 *3	B-98	-	B-133	
			1130	115				1090	111						
			2140	218				2050	209						
			2140	218				2050	209						
			2140	218				2050	209						
			2140	218				2050	209						
			2860	292				2710	276						
483	28.2	2.87	1170	119	583	23.3	2.38	1130	115	2 - 6080SK	- 3 *3	B-98	-	B-133	
			1170	119				1130	115						
			2230	227				2120	216						
			2230	227				2120	216						
			2230	227				2120	216						
			2230	227				2120	216						
			3060	312				2890	295						
363	37.5	3.83	1250	127	438	31.1	3.17	1210	123	2 - 6080SK	- 4 *3	B-98	-	B-133	
			1250	127				1210	123						
			2470	252				2370	242						
			2470	252				2370	242						
			2470	252				2370	242						
			2470	252				2370	242						
			3280	334				3100	316						
290	46.9	4.78	1290	132	350	38.9	3.96	1270	129	2 - 6085SK	- 5 *3	B-98	-	B-133	
			2590	264				2490	254						
			2590	264				2490	254						
			2590	264				2490	254						
			2590	264				2490	254						
			3460	353				3290	335						
242	56.3	5.74	1290	132	292	46.7	4.76	1290	131	2 - 6085SK	- 6 *3	B-98	-	B-133	
			2660	271				2530	258						
			2660	271				2530	258						
			2660	271				2530	258						
			2660	271				2530	258						
			3700	377				3510	358						
			2790	284				2630	268						
			4130	421				3880	396						
			4130	421				3880	396						
			4670	476				4390	447						
			4670	476				4390	447						
181	75.1	7.65	1290	132	219	62.2	6.34	1290	132	2 - 6085SK	- 8 *3	B-98	-	B-133	
			2870	293				2780	283						
			2870	293				2780	283						
			2870	293				2780	283						
			3950	403				3770	384						
			3950	403				3770	384						
			3090	315				2920	297						
			4600	469				4330	441						
			4600	469				4330	441						
			5210	531				4900	499						
			5210	531				4900	499						
145	93.9	9.57	2990	305	175	77.8	7.93	2900	296	2 - 6095SK	- 10 *3	B-98	-	B-133	
			2990	305				2900	296						
			2990	305				2900	296						
			4250	433				4050	413						
			4250	433				4050	413						

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors



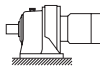
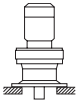
1.5 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

50Hz						60Hz						Nomenclature			Page of Dimension Sheet						
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHHM	CNCFM	CNVMM				
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHHM	CHCFM	CVVMM				
24.6	554	56.4	9810	1000	1.08	29.7	459	46.8	9810	1000	1.08	2 -	6125	- 59	B-101	B-117	B-136				
			13000	1320	1.41				12200	1250	1.46	2 -	6130	- 59	B-102	B-118	B-137				
			13000	1320	1.63				12200	1250	1.68	2 -	6135	- 59	B-102	B-118	B-137				
			16000	1630	1.97				16000	1630	1.97	2 -	6140	- 59	B-102	B-118	B-137				
			16000	1630	2.12				16000	1630	2.43	2 -	6145	- 59	B-102	B-118	B-137				
			22100	2250	2.95				22100	2250	2.95	2 -	6160	- 59	B-103	B-119	B-138				
20.4	666	67.9	13700	1400	1.17	24.6	552	56.3	12900	1320	1.22	2 -	6130	- 71	B-102	B-118	B-137				
			13700	1400	1.35				12900	1320	1.45	2 -	6135	- 71	B-102	B-118	B-137				
			16000	1630	1.62				16000	1630	1.62	2 -	6140	- 71	B-102	B-118	B-137				
			16000	1630	1.75				16000	1630	2.02	2 -	6145	- 71	B-102	B-118	B-137				
			22100	2250	2.31				22100	2250	2.31	2 -	6160	- 71	B-103	B-119	B-138				
16.7	817	83.2	14700	1500	1.10	20.1	677	69.0	13900	1420	1.27	2 -	6135	- 87	B-102	B-118	B-137				
			16000	1630	1.32				16000	1630	1.32	2 -	6140	- 87	B-102	B-118	B-137				
			16000	1630	1.44				16000	1630	1.65	2 -	6145	- 87	B-102	B-118	B-137				
			22100	2250	2.15				22100	2250	2.31	2 -	6160	- 87	B-103	B-119	B-138				
			22100	2250	2.51				22100	2250	2.60	2 -	6165	- 87	B-103	B-119	B-138				
13.9	925	94.3	630	64.2	9810	1000	*1	16.8	766	78.1	630	64.2	9810	1000	*1	2 -	6125DB	- 104	B-108	B-124	B-143
			14700	1500	1.02	14700	1500				1.07	2 -	6135DB	- 104	B-109	B-125	B-144				
			14700	1500	1.02	14700	1500				1.23	2 -	6135DC	- 104	B-109	B-125	B-144				
			16000	1630	1.07	16000	1630				1.07	2 -	6140DB	- 104	B-109	B-125	B-144				
			16000	1630	1.32	16000	1630				1.60	2 -	6140DC	- 104	B-109	B-125	B-144				
			16000	1630	1.48	16000	1630				1.79	2 -	6145DC	- 104	B-109	B-125	B-144				
			22100	2250	1.90	22100	2250				2.24	2 -	6160DB	- 104	B-110	B-126	B-145				
			22100	2250	1.90	22100	2250				2.29	2 -	6160DC	- 104	B-111	B-127	B-146				
			22100	2250	2.24	22100	2250				2.24	2 -	6165DB	- 104	B-110	B-126	B-145				
			22100	2250	2.27	22100	2250				2.74	2 -	6165DC	- 104	B-111	B-127	B-146				
			29500	3010	2.73	29500	3010				3.30	2 -	6170DC	- 104	B-111	B-127	B-146				
12.0	1080	110	780	79.5	14700	1500	*1	14.5	891	90.9	780	79.5	14700	1500	*1	2 -	6130DB	- 121	B-109	B-125	B-144
			14700	1500	0.87	14700	1500				1.05	2 -	6135DB	- 121	B-109	B-125	B-144				
			16000	1630	1.07	16000	1630				1.07	2 -	6140DB	- 121	B-109	B-125	B-144				
			16000	1630	1.14	16000	1630				1.37	2 -	6140DC	- 121	B-109	B-125	B-144				
			16000	1630	1.20	16000	1630				1.45	2 -	6145DC	- 121	B-109	B-125	B-144				
			22100	2250	1.63	22100	2250				1.97	2 -	6160DB	- 121	B-110	B-126	B-145				
			22100	2250	1.95	22100	2250				2.24	2 -	6165DB	- 121	B-110	B-126	B-145				
			22100	2250	1.95	22100	2250				2.36	2 -	6165DC	- 121	B-111	B-127	B-146				
			29500	3010	2.24	29500	3010				2.24	2 -	6170DB	- 121	B-110	B-126	B-145				
			29500	3010	2.35	29500	3010				2.84	2 -	6170DC	- 121	B-111	B-127	B-146				
			29500	3010	2.93	29500	3010				3.53	2 -	6175DC	- 121	B-111	B-127	B-146				
10.1	1270	130	780	79.5	14700	1500	*1	12.2	1050	107	780	79.5	14700	1500	*1	2 -	6130DB	- 143	B-109	B-125	B-144
			940	95.8	14700	1500	*1				940	95.8	14700	1500	*1	2 -	6135DB	- 143	B-109	B-125	B-144
			16000	1630	1.07	16000	1630				1.07	2 -	6145DB	- 143	B-109	B-125	B-144				
			16000	1630	1.08	16000	1630				1.30	2 -	6145DC	- 143	B-109	B-125	B-144				
			22100	2250	1.38	22100	2250				1.67	2 -	6160DB	- 143	B-110	B-126	B-145				
			22100	2250	1.65	22100	2250				1.99	2 -	6165DB	- 143	B-110	B-126	B-145				
			29500	3010	1.99	29500	3010				2.24	2 -	6170DB	- 143	B-110	B-126	B-145				
			29500	3010	1.99	29500	3010				2.40	2 -	6170DC	- 143	B-111	B-127	B-146				
			29500	3010	2.24	29500	3010				2.24	2 -	6175DB	- 143	B-110	B-126	B-145				
			29500	3010	2.48	29500	3010				2.99	2 -	6175DC	- 143	B-111	B-127	B-146				

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

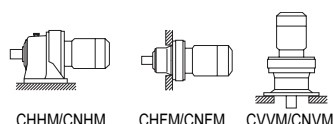
Selection Tables Gearmotors

1.5 kW		n ₁ : Motor Speed				  				
		Hz		50Hz		60Hz				
		P		4	6	4	6			
		n ₁ r/min		1450	980	1750	1165			

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque T _{out}		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
8.79	940	95.8	14700	1500	*1	10.6	940	95.8	14700	1500	*1	2 -	6135DB	- 165	B-109	B-125	B-144
	1470	150	15500	1580	0.93		16000	1630	1.07	2 -	6145DB	- 165	B-109	B-125	B-144		
			15500	1580	0.93		16000	1630	1.12	2 -	6145DC	- 165	B-109	B-125	B-144		
			22100	2250	1.07		22100	2250	1.07	2 - 6160DA	- 165	B-110	B-126	B-145			
			22100	2250	1.20		22100	2250	1.44	2 -	6160DB	- 165	B-110	B-126	B-145		
			22100	2250	1.43		22100	2250	1.73	2 -	6165DB	- 165	B-110	B-126	B-145		
			29500	3010	1.72		29500	3010	2.08	2 -	6170DB	- 165	B-110	B-126	B-145		
			29500	3010	2.15		29500	3010	2.24	2 -	6175DB	- 165	B-110	B-126	B-145		
			41700	4250	2.24		41700	4250	2.24	2 -	6180DA	- 165	B-110	B-126	B-145		
	41700	4250	2.77	41700	4250		3.34	2 -	6180DB	- 165	B-111	B-127	B-146				
7.44	1230	125	16000	1630	*1	8.97	1230	125	16000	1630	*1	2 -	6140DB	- 195	B-109	B-125	B-144
	1360	138	16000	1630	*1		1360	138	16000	1630	*1	2 -	6145DB	- 195	B-109	B-125	B-144
	1730	177	22100	2250	1.07		22100	2250	1.07	2 - 6160DA	- 195	B-110	B-126	B-145			
			22100	2250	1.01		22100	2250	1.22	2 -	6160DB	- 195	B-110	B-126	B-145		
			22100	2250	1.07		22100	2250	1.07	2 -	6165DA	- 195	B-110	B-126	B-145		
			22100	2250	1.21		22100	2250	1.46	2 -	6165DB	- 195	B-110	B-126	B-145		
			29500	3010	1.46		29500	3010	1.76	2 -	6170DB	- 195	B-110	B-126	B-145		
			29500	3010	1.82		29500	3010	2.19	2 -	6175DB	- 195	B-110	B-126	B-145		
			41700	4250	2.24		41700	4250	2.24	2 -	6180DA	- 195	B-110	B-126	B-145		
			41700	4250	2.34		41700	4250	2.83	2 -	6180DB	- 195	B-111	B-127	B-146		
41700	4250	2.84	41700	4250	3.43	2 -	6185DB	- 195	B-111	B-127	B-146						
6.28	1340	136	16000	1630	*1	7.58	1340	136	16000	1630	*1	2 -	6145DB	- 231	B-109	B-125	B-144
	2050	209	22100	2250	1.02		22100	2250	1.07	2 - 6165DA	- 231	B-110	B-126	B-145			
			22100	2250	1.02		22100	2250	1.23	2 -	6165DB	- 231	B-110	B-126	B-145		
			29500	3010	1.07		29500	3010	1.07	2 -	6170DA	- 231	B-110	B-126	B-145		
			29500	3010	1.23		29500	3010	1.49	2 -	6170DB	- 231	B-110	B-126	B-145		
			29500	3010	1.53		29500	3010	1.85	2 -	6175DB	- 231	B-110	B-126	B-145		
			41700	4250	1.97		41700	4250	2.24	2 -	6180DA	- 231	B-110	B-126	B-145		
			41700	4250	1.97		41700	4250	2.38	2 -	6180DB	- 231	B-111	B-127	B-146		
			41700	4250	2.24		41700	4250	2.24	2 -	6185DA	- 231	B-110	B-126	B-145		
	41700	4250	2.43	41700	4250		2.94	2 -	6185DB	- 231	B-111	B-127	B-146				
5.31	1760	179	22100	2250	*1	6.41	1760	179	22100	2250	*1	2 -	6160DA	- 273	B-110	B-126	B-145
	2430	247	22100	2250	0.87		22100	2250	1.04	2 -	6165DA	- 273	B-110	B-126	B-145		
			29500	3010	1.04		29500	3010	1.07	2 - 6170DA	- 273	B-110	B-126	B-145			
			29500	3010	1.04		29500	3010	1.26	2 -	6170DB	- 273	B-110	B-126	B-145		
			29500	3010	1.07		29500	3010	1.07	2 -	6175DA	- 273	B-110	B-126	B-145		
			29500	3010	1.30		29500	3010	1.57	2 -	6175DB	- 273	B-110	B-126	B-145		
			41700	4250	1.67		41700	4250	2.01	2 -	6180DA	- 273	B-110	B-126	B-145		
			41700	4250	2.06		41700	4250	2.24	2 -	6185DA	- 273	B-110	B-126	B-145		
			41700	4250	2.06		41700	4250	2.49	2 -	6185DB	- 273	B-111	B-127	B-146		
	59000	6010	2.63	59000	6010		3.17	2 -	6190DA	- 273	B-111	B-128	B-147				
4.55	1760	179	22100	2250	*1	5.49	1760	179	22100	2250	*1	2 -	6160DA	- 319	B-110	B-126	B-145
	2100	214	22100	2250	*1		2100	214	22100	2250	*1	2 -	6165DA	- 319	B-110	B-126	B-145
	2840	289	29500	3010	1.07		29500	3010	1.07	2 - 6175DA	- 319	B-110	B-126	B-145			
			29500	3010	1.11		29500	3010	1.34	2 -	6175DB	- 319	B-110	B-126	B-145		
			41700	4250	1.43		41700	4250	1.72	2 -	6180DA	- 319	B-110	B-126	B-145		
			41700	4250	1.76		41700	4250	2.13	2 -	6185DA	- 319	B-110	B-126	B-145		
			59000	6010	2.25		59000	6010	2.71	2 -	6190DA	- 319	B-111	B-128	B-147		
			59000	6010	2.81		59000	6010	3.39	2 -	6195DA	- 319	B-111	B-128	B-147		

- Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
- Motor slippage may affect n₁ and n₂. Refer to technical data for details.
- CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
- Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
- "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



1.5 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

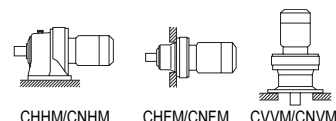
n₁: Motor Speed

50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
3.85	2100	214	22100	2250	*1	4.64	2100	214	22100	2250	*1	2 -	6165DA	- 377	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	2 -	6170DA	- 377	B-110	B-126	B-145
			29500	3010	0.94				29500	3010	1.07	2 -	6175DA	- 377	B-110	B-126	B-145
			29500	3010	0.94				29500	3010	1.13	2 -	6175DB	- 377	B-110	B-126	B-145
			41700	4250	1.21				41700	4250	1.46	2 -	6180DA	- 377	B-110	B-126	B-145
	3350	342	41700	4250	1.49		2780	283	41700	4250	1.80	2 -	6185DA	- 377	B-110	B-126	B-145
			59000	6010	1.90				59000	6010	2.30	2 -	6190DA	- 377	B-111	B-128	B-147
			59000	6010	2.37				59000	6010	2.87	2 -	6195DA	- 377	B-111	B-128	B-147
3.07	3150	321	29500	3010	*1	3.70	3150	321	29500	3010	*1	2 -	6175DA	- 473	B-110	B-126	B-145
			41700	4250	1.19				41700	4250	1.43	2 -	6185DA	- 473	B-110	B-126	B-145
	4210	429	59000	6010	1.52		3480	355	59000	6010	1.83	2 -	6190DA	- 473	B-111	B-128	B-147
			59000	6010	1.89				59000	6010	2.28	2 -	6195DA	- 473	B-111	B-128	B-147
2.59	3150	321	29500	3010	*1	3.13	3150	321	29500	3010	*1	2 -	6175DA	- 559	B-110	B-126	B-145
	4060	414	41700	4250	*1		4060	414	41700	4250	*1	2 -	6180DA	- 559	B-110	B-126	B-145
			41700	4250	1.01				41700	4250	1.21	2 -	6185DA	- 559	B-110	B-126	B-145
	4970	507	59000	6010	1.28		4120	420	59000	6010	1.55	2 -	6190DA	- 559	B-111	B-128	B-147
		59000	6010	1.60			59000	6010	1.93	2 -	6195DA	- 559	B-111	B-128	B-147		
2.23	4050	413	41700	4250	*1	2.70	4050	413	41700	4250	*1	2 -	6180DA	- 649	B-110	B-126	B-145
			41300	4210	0.87				41700	4250	1.05	2 -	6185DA	- 649	B-110	B-126	B-145
	5770	588	58700	5990	1.11		4780	487	59000	6010	1.33	2 -	6190DA	- 649	B-111	B-128	B-147
			58700	5990	1.38				59000	6010	1.66	2 -	6195DA	- 649	B-111	B-128	B-147
1.98	4060	414	41700	4250	*1	2.39	4060	414	41700	4250	*1	2 -	6180DA	- 731	B-110	B-126	B-145
	5000	510	41700	4250	*1		5000	510	41700	4250	*1	2 -	6185DA	- 731	B-110	B-126	B-145
	6500	663	59000	6010	1.22		5390	549	59000	6010	1.48	2 -	6195DA	- 731	B-111	B-128	B-147
1.72	5000	510	41700	4250	*1	2.08	5000	510	41700	4250	*1	2 -	6185DA	- 841	B-110	B-126	B-145
	7480	762	59000	6010	1.06		6200	632	59000	6010	1.28	2 -	6195DA	- 841	B-111	B-128	B-147
			59000	6010	1.06				59000	6010	1.28	2 -	6195DB	- 841	B-112	B-128	B-147
1.45	6380	650	58600	5970	*1	1.74	6380	650	58600	5970	*1	2 -	6190DA	- 1003	B-111	B-128	B-147
	8920	909	57900	5900	0.89		7390	753	58300	5940	1.08	2 -	6195DA	- 1003	B-111	B-128	B-147
1.16	7960	811	59000	6010	*1	1.40	7960	811	59000	6010	*1	2 -	6195DA	- 1247	B-111	B-128	B-147
0.980	8760	893	84100	8570	*1	1.18	8360	853	84100	8570	*1	2 -	6205DA	- 1479	B-112	B-129	B-148
	13200	1340	104000	10600	0.86		10900	1110	104000	10600	1.03	2 -	6215DA	- 1479	B-112	B-129	B-148
0.784	9300	948	84100	8570	*1	0.946	9300	948	84100	8570	*1	2 -	6205DA	- 1849	B-112	B-129	B-148
	12700	1290	104000	10600	*1		12700	1290	104000	10600	*1	2 -	6215DA	- 1849	B-112	B-129	B-148
	16400	1680	145000	14800	0.97		13600	1390	145000	14800	1.17	2 -	6225DA	- 1849	B-113	B-130	B-149
0.702	9300	948	84100	8570	*1	0.847	9300	948	84100	8570	*1	2 -	6205DA	- 2065	B-112	B-129	B-148
	12700	1290	104000	10600	*1		12700	1290	104000	10600	*1	2 -	6215DA	- 2065	B-112	B-129	B-148
	18400	1870	145000	14800	0.86		15200	1550	145000	14800	1.04	2 -	6225DA	- 2065	B-113	B-130	B-149
0.572	12700	1290	104000	10600	*1	0.690	12700	1290	104000	10600	*1	2 -	6215DA	- 2537	B-112	B-129	B-148
	15900	1620	145000	14800	*1		15900	1620	145000	14800	*1	2 -	6225DA	- 2537	B-113	B-130	B-149
0.476	11300	1150	104000	10600	*1	0.575	11300	1150	104000	10600	*1	2 -	6215DA	- 3045	B-112	B-129	B-148
	15100	1540	145000	14800	*1		15100	1540	145000	14800	*1	2 -	6225DA	- 3045	B-113	B-130	B-149
0.417	12700	1290	104000	10600	*1	0.503	12700	1290	104000	10600	*1	2 -	6215DA	- 3481	B-112	B-129	B-148
	15900	1620	145000	14800	*1		15900	1620	145000	14800	*1	2 -	6225DA	- 3481	B-113	B-130	B-149
0.327	11300	1150	104000	10600	*1	0.394	11300	1150	104000	10600	*1	2 -	6215DA	- 4437	B-112	B-129	B-148
	15100	1540	145000	14800	*1		15100	1540	145000	14800	*1	2 -	6225DA	- 4437	B-113	B-130	B-149
0.282	12700	1290	104000	10600	*1	0.341	12700	1290	104000	10600	*1	2 -	6215DA	- 5133	B-112	B-129	B-148
	15900	1620	145000	14800	*1		15900	1620	145000	14800	*1	2 -	6225DA	- 5133	B-113	B-130	B-149

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

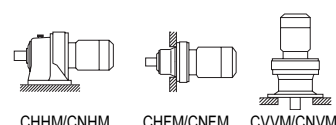
Selection Tables Gearmotors

1.5 kW	n ₁ : Motor Speed				
	Hz		50Hz		60Hz
	P		4	6	4 6
	n ₁	r/min	1450	980	1750 1165



50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
0.235	11300	1150	104000	10600	*1	0.283	11300	1150	104000	10600	*1	2 -	6215DA	- 6177	B-112	B-129	B-148
	15100	1540	145000	14800	*1		15100	1540	145000	14800	*1	2 -	6225DA	- 6177	B-113	B-130	B-149
0.192	11300	1150	104000	10600	*1	0.231	11300	1150	104000	10600	*1	2 -	6215DA	- 7569	B-112	B-129	B-148
	15100	1540	145000	14800	*1		15100	1540	145000	14800	*1	2 -	6225DA	- 7569	B-113	B-130	B-149

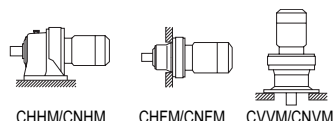
2.2 kW	n ₁ : Motor Speed				
	Hz		50Hz		60Hz
	P		4	6	4 6
	n ₁	r/min	1450	980	1750 1165



50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN		
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM		
580	34.4	3.51	2050	209	1.09	700	28.5	2.91	1970	201	1.09	3 - 6090SK	- 2.5 *3	B-98	-	B-133	
			2050	209	1.23				1970	201	1.23	3 - 6095SK	- 2.5 *3	B-98	-	B-133	
			2050	209	1.45				1970	201	1.45	3 - 6100SK	- 2.5 *3	B-99	-	B-134	
			2050	209	1.70				1970	201	1.70	3 - 6105SK	- 2.5 *3	B-99	-	B-134	
			2790	284	2.34				2650	270	2.34	3 - 6110SK	- 2.5 *3	B-99	-	B-134	
			2790	284	2.93				2650	270	2.93	3 - 6115SK	- 2.5 *3	B-99	-	B-134	
483	41.3	4.21	2120	216	1.06	583	34.2	3.49	2040	208	1.06	3 - 6090SK	- 3 *3	B-98	-	B-133	
			2120	216	1.20				2040	208	1.20	3 - 6095SK	- 3 *3	B-98	-	B-133	
			2120	216	1.50				2040	208	1.50	3 - 6100SK	- 3 *3	B-99	-	B-134	
			2120	216	1.76				2040	208	1.76	3 - 6105SK	- 3 *3	B-99	-	B-134	
			2960	302	2.40				2820	287	2.40	3 - 6110SK	- 3 *3	B-99	-	B-134	
			2960	302	3.00				2820	287	3.00	3 - 6115SK	- 3 *3	B-99	-	B-134	
363	55.1	5.61	2300	234	1.06	438	45.6	4.65	2240	228	1.06	3 - 6090SK	- 4 *3	B-98	-	B-133	
			2300	234	1.20				2240	228	1.20	3 - 6095SK	- 4 *3	B-98	-	B-133	
			2300	234	1.46				2240	228	1.46	3 - 6100SK	- 4 *3	B-99	-	B-134	
			2300	234	1.72				2240	228	1.72	3 - 6105SK	- 4 *3	B-99	-	B-134	
			3170	323	2.43				3010	307	2.43	3 - 6110SK	- 4 *3	B-99	-	B-134	
			3170	323	3.04				3010	307	3.04	3 - 6115SK	- 4 *3	B-99	-	B-134	
290	68.8	7.02	2420	247	1.02	350	57.0	5.81	2330	238	1.02	3 - 6090SK	- 5 *3	B-98	-	B-133	
			2420	247	1.20				2330	238	1.20	3 - 6095SK	- 5 *3	B-98	-	B-133	
			2420	247	1.43				2330	238	1.43	3 - 6100SK	- 5 *3	B-99	-	B-134	
			2420	247	1.68				2330	238	1.68	3 - 6105SK	- 5 *3	B-99	-	B-134	
			3330	339	2.09				3180	324	2.09	3 - 6110SK	- 5 *3	B-99	-	B-134	
			3330	339	2.62				3180	324	2.62	3 - 6115SK	- 5 *3	B-99	-	B-134	
242	82.6	8.42	2410	246	1.03	292	68.4	6.98	2370	242	1.03	3 - 6095SK	- 6 *3	B-98	-	B-133	
			2410	246	1.21				2370	242	1.21	3 - 6100SK	- 6 *3	B-99	-	B-134	
			2410	246	1.43				2370	242	1.43	3 - 6105SK	- 6 *3	B-99	-	B-134	
			3520	359	1.92				3370	344	1.92	3 - 6110SK	- 6 *3	B-99	-	B-134	
			3520	359	2.40				3370	344	2.40	3 - 6115SK	- 6 *3	B-99	-	B-134	
			4090	417	1.07				3860	393	1.07	3 - 6100	- 6	B-101	B-117	B-136	
			4090	417	1.45				3860	393	1.45	3 - 6105	- 6	B-101	B-117	B-136	
			4640	473	1.61				4370	445	1.61	3 - 6110	- 6	B-101	B-117	B-136	
			4640	473	1.78				4370	445	1.78	3 - 6115	- 6	B-101	B-117	B-136	
			5260	536	2.30				4950	505	2.30	3 - 6120	- 6	B-101	B-117	B-136	

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



2.2 kW

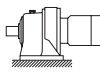
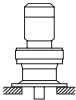
n₁: Motor Speed

Hz		50Hz		60Hz	
P		4	6	4	6
n ₁	r/min	1450	980	1750	1165

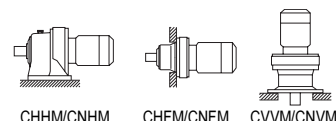
50Hz					60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
181	110	11.2	2540	259	219	91.2	9.30	2500	255	3 -	6095SK	- 8 *3	B-98	-	B-133
			2540	259				2500	255	3 -	6105SK	- 8 *3	B-99	-	B-134
			3730	380				3580	365	3 -	6110SK	- 8 *3	B-99	-	B-134
			3730	380				3580	365	3 -	6115SK	- 8 *3	B-99	-	B-134
			4560	465				4300	438	3 -	6100	- 8	B-101	B-117	B-136
			4560	465				4300	438	3 -	6105	- 8	B-101	B-117	B-136
			5170	527				4870	496	3 -	6110	- 8	B-101	B-117	B-136
			5170	527				4870	496	3 -	6115	- 8	B-101	B-117	B-136
145	138	14.0	5870	598	175	114	11.6	5520	563	3 -	6120	- 8	B-101	B-117	B-136
			2610	266				2580	263	3 -	6095SK	- 10 *3	B-98	-	B-133
			2610	266				2580	263	3 -	6105SK	- 10 *3	B-99	-	B-134
			3960	404				3820	389	3 -	6110SK	- 10 *3	B-99	-	B-134
			3960	404				3820	389	3 -	6115SK	- 10 *3	B-99	-	B-134
			5170	527				4870	497	3 -	6100	- 11	B-101	B-117	B-136
			5170	527				4870	497	3 -	6105	- 11	B-101	B-117	B-136
			5900	601				5560	567	3 -	6110	- 11	B-101	B-117	B-136
132	151	15.4	5900	601	159	125	12.8	5560	567	3 -	6115	- 11	B-101	B-117	B-136
			6670	680				6280	640	3 -	6120	- 11	B-101	B-117	B-136
			6670	680				6280	640	3 -	6125	- 11	B-101	B-117	B-136
			5360	547				5060	516	3 -	6100	- 13	B-101	B-117	B-136
			5360	547				5060	516	3 -	6105	- 13	B-101	B-117	B-136
			6090	621				5740	586	3 -	6110	- 13	B-101	B-117	B-136
			6090	621				5740	586	3 -	6115	- 13	B-101	B-117	B-136
			6890	702				6490	662	3 -	6120	- 13	B-101	B-117	B-136
112	179	18.2	6890	702	135	148	15.1	6490	662	3 -	6125	- 13	B-101	B-117	B-136
			5400	550				5340	544	3 -	6100	- 15	B-101	B-117	B-136
			5400	550				5340	544	3 -	6105	- 15	B-101	B-117	B-136
			6490	662				6120	624	3 -	6110	- 15	B-101	B-117	B-136
			6490	662				6120	624	3 -	6115	- 15	B-101	B-117	B-136
			7390	753				6960	710	3 -	6120	- 15	B-101	B-117	B-136
			7390	753				6960	710	3 -	6125	- 15	B-101	B-117	B-136
			5400	550				5400	550	3 -	6105	- 17	B-101	B-117	B-136
85.3	234	23.9	6550	668	103	194	19.8	6180	630	3 -	6110	- 17	B-101	B-117	B-136
			6550	668				6180	630	3 -	6115	- 17	B-101	B-117	B-136
			7460	760				7030	716	3 -	6120	- 17	B-101	B-117	B-136
			7460	760				7030	716	3 -	6125	- 17	B-101	B-117	B-136
			5400	550				5400	550	3 -	6105	- 21	B-101	B-117	B-136
			6920	706				6540	667	3 -	6110	- 21	B-101	B-117	B-136
			6920	706				6540	667	3 -	6115	- 21	B-101	B-117	B-136
			8180	834				7710	786	3 -	6120	- 21	B-101	B-117	B-136
69.0	289	29.5	8180	834	83.3	240	24.4	7710	786	3 -	6125	- 21	B-101	B-117	B-136
			9580	976				9020	919	3 -	6130	- 21	B-102	B-118	B-137
			7010	715				6620	675	3 -	6115	- 25	B-101	B-117	B-136
			8560	873				8070	823	3 -	6120	- 25	B-101	B-117	B-136
			8560	873				8070	823	3 -	6125	- 25	B-101	B-117	B-136
			9950	1010				9370	955	3 -	6130	- 25	B-102	B-118	B-137
			9950	1010				9370	955	3 -	6135	- 25	B-102	B-118	B-137
			7160	730				6800	693	3 -	6115	- 29	B-101	B-117	B-136
50.0	399	40.7	8880	905	60.3	331	33.7	8380	854	3 -	6120	- 29	B-101	B-117	B-136
			8880	905				8380	854	3 -	6125	- 29	B-101	B-117	B-136
			10500	1070				9850	1000	3 -	6130	- 29	B-102	B-118	B-137
			10500	1070				9850	1000	3 -	6135	- 29	B-102	B-118	B-137
			15000	1530				14200	1450	3 -	6140	- 29	B-102	B-118	B-137
			7160	730				6800	693	3 -	6115	- 29	B-101	B-117	B-136
			8880	905				8380	854	3 -	6120	- 29	B-101	B-117	B-136
			8880	905				8380	854	3 -	6125	- 29	B-101	B-117	B-136

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

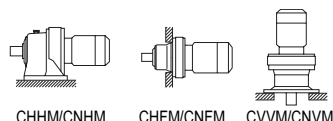
2.2 kW		n ₁ : Motor Speed																		
		Hz		50Hz		60Hz														
		P		4	6	4	6													
		n ₁ r/min		1450	980	1750	1165													

50Hz					60Hz					Nomenclature			Page of Dimension Sheet											
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM							
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM							
41.4	482	49.1	4960	506	0.82	50.0	399	40.7	7230	737	0.82	3 -	6115	- 35	B-101	B-117	B-136							
			9350	954	1.08				8830	900	1.13	3 -	6120	- 35	B-101	B-117	B-136							
			9350	954	1.31				8830	900	1.45	3 -	6125	- 35	B-101	B-117	B-136							
			11000	1120	1.62				10300	1050	1.69	3 -	6130	- 35	B-102	B-118	B-137							
			11000	1120	1.87				10300	1050	1.93	3 -	6135	- 35	B-102	B-118	B-137							
			16000	1630	2.37				15200	1550	2.37	3 -	6140	- 35	B-102	B-118	B-137							
33.7	592	60.3	16000	1630	2.85	40.7	490	50.0	15200	1550	3.42	3 -	6145	- 35	B-102	B-118	B-137							
			9810	1000	1.06				9380	956	1.08	3 -	6125	- 43	B-101	B-117	B-136							
			11800	1200	1.32				11100	1130	1.36	3 -	6130	- 43	B-102	B-118	B-137							
			11800	1200	1.52				11100	1130	1.71	3 -	6135	- 43	B-102	B-118	B-137							
			16000	1630	1.79				15900	1620	1.79	3 -	6140	- 43	B-102	B-118	B-137							
			16000	1630	2.12				15900	1620	2.45	3 -	6145	- 43	B-102	B-118	B-137							
28.4	702	71.6	20600	2100	2.93	34.3	582	59.3	19300	1970	3.39	3 -	6160	- 43	B-103	B-119	B-138							
			9810	1000	0.90				9760	995	1.04	3 -	6125	- 51	B-101	B-117	B-136							
			12200	1250	1.11				11500	1180	1.15	3 -	6130	- 51	B-102	B-118	B-137							
			12200	1250	1.16				11500	1180	1.33	3 -	6135	- 51	B-102	B-118	B-137							
			16000	1630	1.56				16000	1630	1.56	3 -	6140	- 51	B-102	B-118	B-137							
			16000	1630	1.68				16000	1630	1.92	3 -	6145	- 51	B-102	B-118	B-137							
24.6	812	82.8	21300	2180	2.50	29.7	673	68.6	20100	2050	2.61	3 -	6160	- 51	B-103	B-119	B-138							
			21300	2180	2.99				20100	2050	3.42	3 -	6165	- 51	B-103	B-119	B-138							
			12800	1300	1.11				12100	1230	1.15	3 -	6135	- 59	B-102	B-118	B-137							
			16000	1630	1.35				16000	1630	1.35	3 -	6140	- 59	B-102	B-118	B-137							
			16000	1630	1.45				16000	1630	1.66	3 -	6145	- 59	B-102	B-118	B-137							
			22100	2250	2.01				22100	2250	2.01	3 -	6160	- 59	B-103	B-119	B-138							
20.4	977	99.6	22100	2250	2.59	24.6	810	82.5	22100	2250	2.61	3 -	6165	- 59	B-103	B-119	B-138							
			13500	1380	0.92				12800	1300	0.98	3 -	6135	- 71	B-102	B-118	B-137							
			16000	1630	1.10				16000	1630	1.10	3 -	6140	- 71	B-102	B-118	B-137							
			16000	1630	1.19				16000	1630	1.38	3 -	6145	- 71	B-102	B-118	B-137							
			22100	2250	1.58				22100	2250	1.58	3 -	6160	- 71	B-103	B-119	B-138							
			22100	2250	2.15				22100	2250	2.57	3 -	6165	- 71	B-103	B-119	B-138							
16.7	1200	122	16000	1630	0.98	20.1	992	101	16000	1630	1.13	3 -	6145	- 87	B-102	B-118	B-137							
			22100	2250	1.46				22100	2250	1.58	3 -	6160	- 87	B-103	B-119	B-138							
			22100	2250	1.71				22100	2250	1.77	3 -	6165	- 87	B-103	B-119	B-138							
			13.9	1360	138	780	79.5	14700	1500	*1	16.8	1120	115	780	79.5	14700	1500	*1	3 -	6130DC	- 104	B-109	B-125	B-144
						940	95.8	14700	1500	*1				940	95.8	14700	1500	*1	3 -	6135DC	- 104	B-109	B-125	B-144
						16000	1630	1.01	16000	1630				1.22	3 -	6145DC	- 104	B-109	B-125	B-144				
22100	2250	1.29				22100	2250	1.53	3 -	6160DB				- 104	B-110	B-126	B-145							
22100	2250	1.29				22100	2250	1.56	3 -	6160DC				- 104	B-111	B-127	B-146							
22100	2250	1.53				22100	2250	1.53	3 -	6165DB				- 104	B-110	B-126	B-145							
13.9	1360	138	22100	2250	1.55	16.8	1120	115	22100	2250	1.87	3 -	6165DC	- 104	B-111	B-127	B-146							
			29500	3010	1.86				29400	3000	2.25	3 -	6170DC	- 104	B-111	B-127	B-146							
			29500	3010	2.32				29400	3000	2.80	3 -	6175DC	- 104	B-111	B-127	B-146							
			41300	4210	2.99				38800	3960	3.61	3 -	6180DB	- 104	B-111	B-127	B-146							



1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



2.2 kW

n₁: Motor Speed

Hz		50Hz		60Hz	
P		4	6	4	6
n ₁	r/min	1450	980	1750	1165

50Hz						60Hz					Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM	
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM	
12.0	940	95.8	14700	1500	*1	14.5	940	95.8	14700	1500	*1	3 -	6135DC	- 121	B-109	B-125	B-144	
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	3 -	6140DC	- 121	B-109	B-125	B-144	
	1290	132	16000	1630	*1		1290	132	16000	1630	*1	3 -	6145DC	- 121	B-109	B-125	B-144	
			15300	1560	0.82					16000	1630	0.98	3 -	6145DC	- 121	B-109	B-125	B-144
			22100	2250	1.11					22100	2250	1.34	3 -	6160DB	- 121	B-110	B-126	B-145
			22100	2250	1.11					22100	2250	1.34	3 -	6160DC	- 121	B-111	B-127	B-146
			22100	2250	1.33					22100	2250	1.53	3 -	6165DB	- 121	B-110	B-126	B-145
	1580	161	22100	2250	1.33		1310	133	22100	2250	1.61	3 -	6165DC	- 121	B-111	B-127	B-146	
			29500	3010	1.53					29500	3010	1.53	3 -	6170DB	- 121	B-110	B-126	B-145
			29500	3010	1.60					29500	3010	1.94	3 -	6170DC	- 121	B-111	B-127	B-146
			29500	3010	2.00					29500	3010	2.41	3 -	6175DC	- 121	B-111	B-127	B-146
			41700	4250	2.57					41300	4210	3.11	3 -	6180DB	- 121	B-111	B-127	B-146
10.1	1230	125	16000	1630	*1	12.2	1230	125	16000	1630	*1	3 -	6140DC	- 143	B-109	B-125	B-144	
	1370	140	15900	1620	*1		1370	140	15900	1620	*1	3 -	6145DC	- 143	B-109	B-125	B-144	
			22100	2250	1.13					22100	2250	1.36	3 -	6165DB	- 143	B-110	B-126	B-145
			29500	3010	1.35					29500	3010	1.53	3 -	6170DB	- 143	B-110	B-126	B-145
			29500	3010	1.35					29500	3010	1.64	3 -	6170DC	- 143	B-111	B-127	B-146
	1860	190	29500	3010	1.53		1550	158	29500	3010	1.53	3 -	6175DB	- 143	B-110	B-126	B-145	
			29500	3010	1.69					29500	3010	2.04	3 -	6175DC	- 143	B-111	B-127	B-146
			41700	4250	2.18					41700	4250	2.63	3 -	6180DB	- 143	B-111	B-127	B-146
			41700	4250	2.63					41700	4250	3.17	3 -	6185DB	- 143	B-111	B-127	B-146
			59000	6010	2.84					59000	6010	2.84	3 -	6190DA	- 143	B-111	B-128	B-147
8.79	1230	125	16000	1630	*1	10.6	1230	125	16000	1630	*1	3 -	6140DC	- 165	B-109	B-125	B-144	
	1360	138	16000	1630	*1		1360	138	16000	1630	*1	3 -	6145DC	- 165	B-109	B-125	B-144	
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	3 -	6160DB	- 165	B-110	B-126	B-145	
			22100	2250	0.98					22100	2250	1.18	3 -	6165DB	- 165	B-110	B-126	B-145
			29500	3010	1.18					29500	3010	1.42	3 -	6170DB	- 165	B-110	B-126	B-145
			29500	3010	1.46					29500	3010	1.53	3 -	6175DB	- 165	B-110	B-126	B-145
	2150	219	29500	3010	1.46		1780	182	29500	3010	1.77	3 -	6175DC	- 165	B-111	B-127	B-146	
			41700	4250	1.53					41700	4250	1.53	3 -	6180DA	- 165	B-110	B-126	B-145
			41700	4250	1.89					41700	4250	2.28	3 -	6180DB	- 165	B-111	B-127	B-146
			41700	4250	2.29					41700	4250	2.76	3 -	6185DB	- 165	B-111	B-127	B-146
			59000	6010	2.84					59000	6010	2.84	3 -	6190DA	- 165	B-111	B-128	B-147
			59000	6010	2.97					59000	6010	3.58	3 -	6190DB	- 165	B-112	B-128	B-147
7.44	1760	179	22100	2250	*1	8.97	1760	179	22100	2250	*1	3 -	6160DB	- 195	B-110	B-126	B-145	
	2100	214	22100	2250	*1		2100	214	22100	2250	*1	3 -	6165DB	- 195	B-110	B-126	B-145	
			22100	2250	0.83					22100	2250	1.00	3 -	6165DB	- 195	B-110	B-126	B-145
			29500	3010	0.98					29500	3010	1.20	3 -	6170DB	- 195	B-110	B-126	B-145
			29500	3010	1.24					29500	3010	1.50	3 -	6175DB	- 195	B-110	B-126	B-145
	2540	259	41700	4250	1.53		2110	215	41700	4250	1.53	3 -	6180DA	- 195	B-110	B-126	B-145	
			41700	4250	1.60					41700	4250	1.93	3 -	6180DB	- 195	B-111	B-127	B-146
			41700	4250	1.94					41700	4250	2.34	3 -	6185DB	- 195	B-111	B-127	B-146
			59000	6010	2.51					59000	6010	2.84	3 -	6190DA	- 195	B-111	B-128	B-147
			59000	6010	2.51					59000	6010	3.03	3 -	6190DB	- 195	B-112	B-128	B-147
			59000	6010	2.56					59000	6010	2.84	3 -	6195DA	- 195	B-111	B-128	B-147
			84100	8570	2.84					84100	8570	2.84	3 -	6205DA	- 195	B-112	B-129	B-148

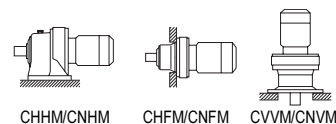
GEARMOTORS

Selection Tables
2.2 kW

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

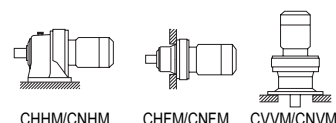
Selection Tables Gearmotors

2.2 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



50Hz						60Hz						Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN		
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM		
0.192	17200	1750	179000	18200	*1	0.231	17200	1750	179000	18200	*1	3	-	6235DA	-	7569	B-114	B-131	B-150
	22600	2310	208000	21200	*1		22600	2310	208000	21200	*1	3	-	6245DA	-	7569	B-114	B-131	B-150

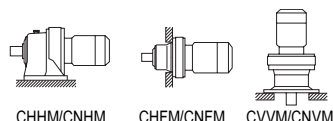
3.0 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
580	46.9	4.78	1930	197	1.06	700	38.9	3.96	1870	191	1.06	4 -	6100SK	- 2.5 *3	B-99	-	B-134
			1930	197	1.25				1870	191	1.25	4 -	6105SK	- 2.5 *3	B-99	-	B-134
			2700	275	1.72				2570	262	1.72	4 -	6110SK	- 2.5 *3	B-99	-	B-134
			2700	275	2.15				2570	262	2.15	4 -	6115SK	- 2.5 *3	B-99	-	B-134
483	56.3	5.74	1980	202	1.10	583	46.7	4.76	1920	196	1.10	4 -	6100SK	- 3 *3	B-99	-	B-134
			1980	202	1.29				1920	196	1.29	4 -	6105SK	- 3 *3	B-99	-	B-134
			2850	291	1.76				2730	278	1.76	4 -	6110SK	- 3 *3	B-99	-	B-134
			2850	291	2.20				2730	278	2.20	4 -	6115SK	- 3 *3	B-99	-	B-134
363	75.1	7.65	2130	217	1.07	583	62.2	6.34	2080	212	1.07	4 -	6100SK	- 4 *3	B-99	-	B-134
			2130	217	1.26				2080	212	1.26	4 -	6105SK	- 4 *3	B-99	-	B-134
			3040	310	1.78				2900	296	1.78	4 -	6110SK	- 4 *3	B-99	-	B-134
			3040	310	2.23				2900	296	2.23	4 -	6115SK	- 4 *3	B-99	-	B-134
290	93.9	9.57	2210	225	1.23	350	77.8	7.93	2160	220	1.23	4 -	6105SK	- 5 *3	B-99	-	B-134
			3180	324	1.54				3040	310	1.26	4 -	6110SK	- 5 *3	B-99	-	B-134
			3180	324	1.92				3040	310	1.78	4 -	6115SK	- 5 *3	B-99	-	B-134
242	113	11.5	2190	223	1.05	292	93.3	9.51	2160	220	1.05	4 -	6105SK	- 6 *3	B-99	-	B-134
			3330	339	1.41				3210	327	1.41	4 -	6110SK	- 6 *3	B-99	-	B-134
			3330	339	1.76				3210	327	1.76	4 -	6115SK	- 6 *3	B-99	-	B-134
			4610	470	1.18				4340	443	1.18	4 -	6110	- 6	B-101	B-117	B-136
			4610	470	1.31				4340	443	1.31	4 -	6115	- 6	B-101	B-117	B-136
			5230	534	1.69				4930	502	1.69	4 -	6120	- 6	B-101	B-117	B-136
5230	534	2.32	4930	502	1.94				4 -	6125	- 6	B-101	B-117	B-136			
181	150	15.3	2170	221	0.83	219	124	12.7	2190	223	0.83	4 -	6105SK	- 8 *3	B-99	-	B-134
			3470	354	1.23				3370	344	1.23	4 -	6110SK	- 8 *3	B-99	-	B-134
			3470	354	1.54				3370	344	1.54	4 -	6115SK	- 8 *3	B-99	-	B-134
			5130	523	1.18				4830	493	1.18	4 -	6110	- 8	B-101	B-117	B-136
			5130	523	1.31				4830	493	1.31	4 -	6115	- 8	B-101	B-117	B-136
			5830	595	1.69				5490	560	1.69	4 -	6120	- 8	B-101	B-117	B-136
5830	595	2.32	5490	560	2.32				4 -	6125	- 8	B-101	B-117	B-136			
145	188	19.1	3650	372	1.02	175	156	15.9	3550	362	1.02	4 -	6110SK	- 10 *3	B-99	-	B-134
			3650	372	1.27				3550	362	1.27	4 -	6115SK	- 10 *3	B-99	-	B-134
132	206	21.0	5840	595	1.18	159	171	17.4	5510	561	1.18	4 -	6110	- 11	B-101	B-117	B-136
			5840	595	1.31				5510	561	1.31	4 -	6115	- 11	B-101	B-117	B-136
			6620	675	1.69				6240	636	1.69	4 -	6120	- 11	B-101	B-117	B-136
			6620	675	1.97				6240	636	1.97	4 -	6125	- 11	B-101	B-117	B-136

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



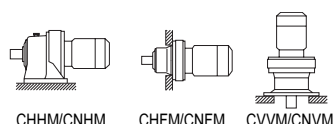
3.0 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CHHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf							
112	244	24.9	6020	614	1.18	135	202	20.6	5690	580	1.18	4 -	6110	- 13	B-101	B-117	B-136
			6020	614	1.30				5690	580	1.30	4 -	6115	- 13	B-101	B-117	B-136
			6830	696	1.69				6440	657	1.69	4 -	6120	- 13	B-101	B-117	B-136
			6830	696	1.97				6440	657	1.97	4 -	6125	- 13	B-101	B-117	B-136
96.7	282	28.7	6410	653	1.18	117	233	23.8	6050	617	1.18	4 -	6110	- 15	B-101	B-117	B-136
			6410	653	1.30				6050	617	1.30	4 -	6115	- 15	B-101	B-117	B-136
			7320	747	1.69				6910	704	1.69	4 -	6120	- 15	B-101	B-117	B-136
			7320	747	1.97				6910	704	1.97	4 -	6125	- 15	B-101	B-117	B-136
			8290	845	2.59				7810	796	2.59	4 -	6130	- 15	B-102	B-118	B-137
85.3	319	32.5	8290	845	2.99				7810	796	2.99	4 -	6135	- 15	B-102	B-118	B-137
			6460	659	1.06	103	264	27.0	6110	622	1.06	4 -	6110	- 17	B-101	B-117	B-136
			6460	659	1.30				6110	622	1.30	4 -	6115	- 17	B-101	B-117	B-136
			7390	753	1.63				6970	710	1.69	4 -	6120	- 17	B-101	B-117	B-136
			7390	753	1.89				6970	710	1.89	4 -	6125	- 17	B-101	B-117	B-136
			8900	907	2.42				8380	854	2.42	4 -	6130	- 17	B-102	B-118	B-137
69.0	394	40.2	8900	907	2.76				8380	854	2.76	4 -	6135	- 17	B-102	B-118	B-137
			6800	693	1.04	83.3	327	33.3	6440	657	1.04	4 -	6115	- 21	B-101	B-117	B-136
			8090	825	1.32				7640	779	1.32	4 -	6120	- 21	B-101	B-117	B-136
			8090	825	1.60				7640	779	1.63	4 -	6125	- 21	B-101	B-117	B-136
			9500	969	1.98				8960	913	2.05	4 -	6130	- 21	B-102	B-118	B-137
			9500	969	2.24				8960	913	2.51	4 -	6135	- 21	B-102	B-118	B-137
58.0	469	47.8	14000	1430	2.89				13200	1350	2.89	4 -	6140	- 21	B-102	B-118	B-137
			8450	861	1.03	70.0	389	39.6	7980	814	1.03	4 -	6120	- 25	B-101	B-117	B-136
			8450	861	1.32				7980	814	1.32	4 -	6125	- 25	B-101	B-117	B-136
			9860	1010	1.66				9300	948	1.72	4 -	6130	- 25	B-102	B-118	B-137
			9860	1010	1.92				9300	948	1.98	4 -	6135	- 25	B-102	B-118	B-137
			14700	1490	2.30				13900	1410	2.30	4 -	6140	- 25	B-102	B-118	B-137
50.0	544	55.5	14700	1490	2.64				13900	1410	2.64	4 -	6145	- 25	B-102	B-118	B-137
			8750	892	1.16	60.3	451	46.0	8280	844	1.26	4 -	6125	- 29	B-101	B-117	B-136
			10400	1060	1.43				9770	996	1.49	4 -	6130	- 29	B-102	B-118	B-137
			10400	1060	1.63				9770	996	1.88	4 -	6135	- 29	B-102	B-118	B-137
			15000	1530	1.98				14200	1450	1.98	4 -	6140	- 29	B-102	B-118	B-137
			15000	1530	2.51				14200	1450	2.51	4 -	6145	- 29	B-102	B-118	B-137
41.4	657	67.0	9190	937	0.96	50.0	544	55.5	8700	887	1.06	4 -	6125	- 35	B-101	B-117	B-136
			10900	1110	1.19				10300	1050	1.24	4 -	6130	- 35	B-102	B-118	B-137
			10900	1110	1.37				10300	1050	1.42	4 -	6135	- 35	B-102	B-118	B-137
			16000	1630	1.74				15200	1550	1.74	4 -	6140	- 35	B-102	B-118	B-137
			16000	1630	2.09				15200	1550	2.51	4 -	6145	- 35	B-102	B-118	B-137
33.7	807	82.3	19100	1950	2.67				18000	1840	3.22	4 -	6160	- 35	B-103	B-119	B-138
			11600	1180	1.12	40.7	669	68.2	11000	1120	1.26	4 -	6135	- 43	B-102	B-118	B-137
			16000	1630	1.31				15800	1610	1.31	4 -	6140	- 43	B-102	B-118	B-137
			16000	1630	1.56				15800	1610	1.80	4 -	6145	- 43	B-102	B-118	B-137
			20400	2080	2.15				19200	1960	2.48	4 -	6160	- 43	B-103	B-119	B-138
			20400	2080	2.60				19200	1960	2.64	4 -	6165	- 43	B-103	B-119	B-138
28.4	957	97.6	12000	1220	0.85	34.3	793	80.9	11400	1160	0.98	4 -	6135	- 51	B-102	B-118	B-137
			16000	1630	1.14				16000	1630	1.14	4 -	6140	- 51	B-102	B-118	B-137
			16000	1630	1.23				16000	1630	1.41	4 -	6145	- 51	B-102	B-118	B-137
			21200	2160	1.83				20000	2040	1.92	4 -	6160	- 51	B-103	B-119	B-138
			21200	2160	2.19				20000	2040	2.51	4 -	6165	- 51	B-103	B-119	B-138
28.4	957	97.6	24100	2450	2.55				22700	2310	2.80	4 -	6170	- 51	B-103	B-119	B-138

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

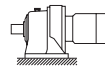


3.0 kW	n: Motor Speed			
	Hz		50Hz	
	P	r/min	4	6
	n ₁	r/min	1450	980
			1750	1165

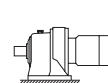
50Hz						60Hz					Nomenclature			Page of Dimension Sheet							
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM				
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM				
8.79	2100	214	22100	2250	*1	10.6	2100	214	22100	2250	*1	4 -	6165DC	- 165	B-111	B-127	B-146				
			29500	3010	1.07				29500	3010	1.30	4 -	6175DC	- 165	B-111	B-127	B-146				
			41700	4250	1.38				41700	4250	1.67	4 -	6180DB	- 165	B-111	B-127	B-146				
			41700	4250	1.68				41700	4250	2.02	4 -	6185DB	- 165	B-111	B-127	B-146				
			59000	6010	2.08				59000	6010	2.08	4 -	6190DA	- 165	B-111	B-128	B-147				
			59000	6010	2.17				59000	6010	2.62	4 -	6190DB	- 165	B-112	B-128	B-147				
7.44	2530	258	29500	3010	*1	8.97	2530	258	29500	3010	*1	4 -	6170DC	- 195	B-111	B-127	B-146				
			29500	3010	0.91				29500	3010	1.10	4 -	6175DC	- 195	B-111	B-127	B-146				
			41700	4250	1.17				41700	4250	1.41	4 -	6180DB	- 195	B-111	B-127	B-146				
			41700	4250	1.42				41700	4250	1.71	4 -	6185DB	- 195	B-111	B-127	B-146				
			59000	6010	1.84				59000	6010	2.08	4 -	6190DA	- 195	B-111	B-128	B-147				
			59000	6010	1.84				59000	6010	2.22	4 -	6190DB	- 195	B-112	B-128	B-147				
6.28	2530	258	29500	3010	*1	7.58	2530	258	29500	3010	*1	4 -	6170DC	- 231	B-111	B-127	B-146				
			3150	321	29500				3010	*1	3150	321	29500	3010	*1	4 -	6175DC	- 231	B-111	B-127	B-146
			41700	4250	1.22				41700	4250	1.47	4 -	6185DB	- 231	B-111	B-127	B-146				
			59000	6010	1.55				59000	6010	1.87	4 -	6190DA	- 231	B-111	B-128	B-147				
			59000	6010	1.94				59000	6010	2.08	4 -	6195DA	- 231	B-111	B-128	B-147				
			59000	6010	1.94				59000	6010	2.34	4 -	6195DB	- 231	B-112	B-128	B-147				
5.31	3150	321	29500	3010	*1	6.41	3150	321	29500	3010	*1	4 -	6175DC	- 273	B-111	B-127	B-146				
			41700	4250	1.03				41700	4250	1.24	4 -	6185DB	- 273	B-111	B-127	B-146				
			59000	6010	1.31				59000	6010	1.59	4 -	6190DA	- 273	B-111	B-128	B-147				
			59000	6010	1.64				59000	6010	1.98	4 -	6195DA	- 273	B-111	B-128	B-147				
			84100	8570	1.72				84100	8570	1.95	4 -	6205DA	- 273	B-112	B-129	B-148				
			84100	8570	1.91				84100	8570	2.31	4 -	6205DB	- 273	B-112	B-129	B-148				
4.55	4050	413	41700	4250	*1	5.49	4050	413	41700	4250	*1	4 -	6180DB	- 319	B-111	B-127	B-146				
			41700	4250	0.88				41700	4250	1.06	4 -	6185DB	- 319	B-111	B-127	B-146				
			59000	6010	1.12				59000	6010	1.36	4 -	6190DA	- 319	B-111	B-128	B-147				
			59000	6010	1.40				59000	6010	1.69	4 -	6195DA	- 319	B-111	B-128	B-147				
			84100	8570	1.42				84100	8570	1.61	4 -	6205DA	- 319	B-112	B-129	B-148				
			84100	8570	1.63				84100	8570	1.96	4 -	6205DB	- 319	B-112	B-129	B-148				
3.85	5000	510	41700	4250	*1	4.64	5000	510	41700	4250	*1	4 -	6185DB	- 377	B-111	B-127	B-146				
			59000	6010	1.19				59000	6010	1.43	4 -	6195DA	- 377	B-111	B-128	B-147				
			84100	8570	1.28				84100	8570	1.45	4 -	6205DA	- 377	B-112	B-129	B-148				
			84100	8570	1.38				84100	8570	1.66	4 -	6205DB	- 377	B-112	B-129	B-148				
			104000	10600	1.89				104000	10600	2.28	4 -	6215DA	- 377	B-112	B-129	B-148				
			145000	14800	2.24				145000	14800	2.71	4 -	6225DA	- 377	B-113	B-130	B-149				
3.07	6380	650	59000	6010	*1	3.70	6380	650	59000	6010	*1	4 -	6190DA	- 473	B-111	B-128	B-147				
			58800	6000	0.95				59000	6010	1.14	4 -	6195DA	- 473	B-111	B-128	B-147				
			84100	8570	0.98				84100	8570	1.12	4 -	6205DA	- 473	B-112	B-129	B-148				
			84100	8570	1.11				84100	8570	1.33	4 -	6205DB	- 473	B-112	B-129	B-148				
			104000	10600	1.50				104000	10600	1.82	4 -	6215DA	- 473	B-112	B-129	B-148				
			145000	14800	1.90				145000	14800	2.30	4 -	6225DA	- 473	B-113	B-130	B-149				
3.07	8410	857	179000	18200	2.44	3.70	6970	710	179000	18200	2.94	4 -	6235DA	- 473	B-114	B-131	B-150				
			179000	18200	2.44				179000	18200	2.94	4 -	6235DA	- 473	B-114	B-131	B-150				
			179000	18200	2.44				179000	18200	2.94	4 -	6235DA	- 473	B-114	B-131	B-150				
			179000	18200	2.44				179000	18200	2.94	4 -	6235DA	- 473	B-114	B-131	B-150				
			179000	18200	2.44				179000	18200	2.94	4 -	6235DA	- 473	B-114	B-131	B-150				
			179000	18200	2.44				179000	18200	2.94	4 -	6235DA	- 473	B-114	B-131	B-150				

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

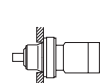
Selection Tables Gearmotors

3.0 kW		n ₁ : Motor Speed									
		Hz		50Hz		60Hz					
		P		4	6	4	6				
		n ₁ r/min		1450	980	1750	1165				

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque T _{out}		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHN	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
2.59	6380	650	59000	6010	*1	3.13	6380	650	59000	6010	*1	4 -	6190DA	- 559	B-111	B-128	B-147
	7960	811	59000	6010	*1		7960	811	59000	6010	*1	4 -	6195DA	- 559	B-111	B-128	B-147
	8760	893	84100	8570	*1		8230	839	84100	8570	*1	4 -	6205DA	- 559	B-112	B-129	B-148
			58400	5950	0.80				58900	6000	0.97	4 -	6195DA	- 559	B-111	B-128	B-147
			84100	8570	0.88				84100	8570	1.00	4 -	6205DA	- 559	B-112	B-129	B-148
			84100	8570	0.94				84100	8570	1.13	4 -	6205DB	- 559	B-112	B-129	B-148
	9940	1010	104000	10600	1.27		8240	840	104000	10600	1.54	4 -	6215DA	- 559	B-112	B-129	B-148
			145000	14800	1.61				145000	14800	1.94	4 -	6225DA	- 559	B-113	B-130	B-149
			179000	18200	2.06				179000	18200	2.49	4 -	6235DA	- 559	B-114	B-131	B-150
			208000	21200	2.60				208000	21200	3.13	4 -	6245DA	- 559	B-114	B-131	B-150
2.23	7960	811	58100	5930	*1	2.70	7960	811	58100	5930	*1	4 -	6195DA	- 649	B-111	B-128	B-147
	8300	846	84100	8570	*1		7790	794	84100	8570	*1	4 -	6205DA	- 649	B-112	B-129	B-148
			84100	8570	0.81				84100	8570	0.97	4 -	6205DB	- 649	B-112	B-129	B-148
			104000	10600	1.10				104000	10600	1.32	4 -	6215DA	- 649	B-112	B-129	B-148
	11500	1180	145000	14800	1.38		9560	975	145000	14800	1.66	4 -	6225DA	- 649	B-113	B-130	B-149
			179000	18200	1.78				179000	18200	2.14	4 -	6235DA	- 649	B-114	B-131	B-150
1.98			208000	21200	2.24	2.39			208000	21200	2.70	4 -	6245DA	- 649	B-114	B-131	B-150
	7960	811	59000	6010	*1		7960	811	59000	6010	*1	4 -	6195DA	- 731	B-111	B-128	B-147
	9300	948	84100	8570	*1		9060	923	84100	8570	*1	4 -	6205DA	- 731	B-112	B-129	B-148
			104000	10600	0.97				104000	10600	1.17	4 -	6215DA	- 731	B-112	B-129	B-148
	13000	1330	145000	14800	1.23		10800	1100	145000	14800	1.49	4 -	6225DA	- 731	B-113	B-130	B-149
1.72			179000	18200	1.58	2.08			179000	18200	1.90	4 -	6235DA	- 731	B-114	B-131	B-150
			208000	21200	1.98				208000	21200	2.40	4 -	6245DA	- 731	B-114	B-131	B-150
	9230	941	84100	8570	*1		9230	941	84100	8570	*1	4 -	6205DA	- 841	B-112	B-129	B-148
			104000	10600	0.85				104000	10600	1.02	4 -	6215DA	- 841	B-112	B-129	B-148
	15000	1520	145000	14800	1.01		12400	1260	145000	14800	1.21	4 -	6225DA	- 841	B-113	B-130	B-149
1.45			179000	18200	1.26	1.74			179000	18200	1.53	4 -	6235DA	- 841	B-114	B-131	B-150
			208000	21200	1.73				208000	21200	2.08	4 -	6245DA	- 841	B-114	B-131	B-150
	12700	1290	104000	10600	*1		12700	1290	104000	10600	*1	4 -	6215DA	- 1003	B-112	B-129	B-148
			145000	14800	0.89				145000	14800	1.07	4 -	6225DA	- 1003	B-113	B-130	B-149
	17800	1820	179000	18200	1.15		14800	1510	179000	18200	1.39	4 -	6235DA	- 1003	B-114	B-131	B-150
1.16			208000	21200	1.45	1.40			208000	21200	1.75	4 -	6245DA	- 1003	B-114	B-131	B-150
	16000	1630	145000	14800	*1		16000	1630	145000	14800	*1	4 -	6225DA	- 1247	B-113	B-130	B-149
	22200	2260	179000	18200	0.92		18400	1870	179000	18200	1.12	4 -	6235DA	- 1247	B-114	B-131	B-150
0.980			208000	21200	1.16	1.18			208000	21200	1.40	4 -	6245DA	- 1247	B-114	B-131	B-150
	17200	1750	179000	18200	*1		17200	1750	179000	18200	*1	4 -	6235DA	- 1479	B-114	B-131	B-150
0.784	26300	2680	208000	21200	0.86	0.946	21800	2220	208000	21200	1.04	4 -	6245DA	- 1479	B-114	B-131	B-150
	20500	2090	179000	18200	*1		20500	2090	179000	18200	*1	4 -	6235DA	- 1849	B-114	B-131	B-150
0.702	25800	2630	208000	21200	*1	0.847	25800	2630	208000	21200	*1	4 -	6245DA	- 1849	B-114	B-131	B-150
												4 -	6245DA	- 2065	B-114	B-131	B-150



CHHM/CNHM



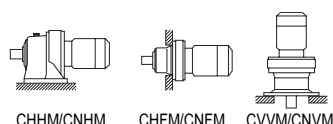
CHFM/CNFM



CVVM/CNVVM

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



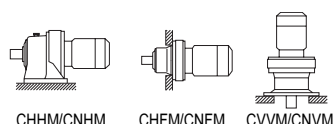
3.7 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

50Hz						60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN	
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM	
580	57.9	5.90	1820	186	700	48.0	4.89	1790	182	1.01	5 - 6105SK	- 2.5 *3	B-99	-	B-134	
			2620	267				2500	255		5 - 6110SK	- 2.5 *3	B-99	-	B-134	
			2620	267				2500	255		5 - 6115SK	- 2.5 *3	B-99	-	B-134	
483	69.5	7.08	1850	189	583	57.5	5.87	1810	185	1.05	5 - 6105SK	- 3 *3	B-99	-	B-134	
			2770	282				2650	270		5 - 6110SK	- 3 *3	B-99	-	B-134	
			2770	282				2650	270		5 - 6115SK	- 3 *3	B-99	-	B-134	
363	92.6	9.44	1960	200	438	76.7	7.82	1940	198	1.02	5 - 6105SK	- 4 *3	B-99	-	B-134	
			2920	298				2820	287		5 - 6110SK	- 4 *3	B-99	-	B-134	
			2920	298				2820	287		5 - 6115SK	- 4 *3	B-99	-	B-134	
290	116	11.8	2010	205	350	95.9	9.78	2000	204	1.00	5 - 6105SK	- 5 *3	B-99	-	B-134	
			3040	310				2930	299		5 - 6110SK	- 5 *3	B-99	-	B-134	
			3040	310				2930	299		5 - 6115SK	- 5 *3	B-99	-	B-134	
242	139	14.2	1960	200	292	115	11.7	1970	201	0.85	5 - 6105SK	- 6 *3	B-99	-	B-134	
			3160	322				3060	312		5 - 6110SK	- 6 *3	B-99	-	B-134	
			3160	322				3060	312		5 - 6115SK	- 6 *3	B-99	-	B-134	
			4580	467				4320	440		5 - 6115	- 6	B-101	B-117	B-136	
			5210	531				4910	500		5 - 6120	- 6	B-101	B-117	B-136	
			5210	531				4910	500		5 - 6125	- 6	B-101	B-117	B-136	
181	185	18.9	6120	624	219	153	15.6	5760	587	2.54	5 - 6130	- 6	B-102	B-118	B-137	
			3260	332				3190	325		5 - 6110SK	- 8 *3	B-99	-	B-134	
			3260	332				3190	325		5 - 6115SK	- 8 *3	B-99	-	B-134	
			5090	519				4800	489		5 - 6115	- 8	B-101	B-117	B-136	
			5800	591				5470	557		5 - 6120	- 8	B-101	B-117	B-136	
			5800	591				5470	557		5 - 6125	- 8	B-101	B-117	B-136	
145	232	23.6	6820	695	175	192	19.6	6420	655	2.54	5 - 6130	- 8	B-102	B-118	B-137	
			3360	343				3330	339		5 - 6115SK	- 10 *3	B-99	-	B-134	
			5780	589				5460	557		5 - 6115	- 11	B-101	B-117	B-136	
132	255	26.0	6580	670	159	211	21.5	6200	632	1.37	5 - 6120	- 11	B-101	B-117	B-136	
			6580	670				6200	632		5 - 6125	- 11	B-101	B-117	B-136	
			7770	792				7320	746		5 - 6130	- 11	B-102	B-118	B-137	
112	301	30.7	5960	608	135	249	25.4	5640	574	1.05	5 - 6115	- 13	B-101	B-117	B-136	
			6780	691				6400	652		5 - 6120	- 13	B-101	B-117	B-136	
			6780	691				6400	652		5 - 6125	- 13	B-101	B-117	B-136	
			8080	824				7620	776		5 - 6130	- 13	B-102	B-118	B-137	
96.7	347	35.4	8080	824	117	288	29.3	7620	776	2.54	5 - 6135	- 13	B-102	B-118	B-137	
			8080	824				7620	776		5 - 6135	- 13	B-102	B-118	B-137	
			6330	646				5990	611		5 - 6115	- 15	B-101	B-117	B-136	
			7260	741				6860	699		5 - 6120	- 15	B-101	B-117	B-136	
			7260	741				6860	699		5 - 6125	- 15	B-101	B-117	B-136	
85.3	394	40.1	8250	841	103	326	33.2	7770	792	2.10	5 - 6130	- 15	B-102	B-118	B-137	
			8250	841				7770	792		5 - 6135	- 15	B-102	B-118	B-137	
			6380	650				6040	616		5 - 6115	- 17	B-101	B-117	B-136	
			7320	747				6920	705		5 - 6120	- 17	B-101	B-117	B-136	
			7320	747				6920	705		5 - 6125	- 17	B-101	B-117	B-136	
69.0	486	49.6	8850	902	83.3	403	41.1	8340	850	1.96	5 - 6130	- 17	B-102	B-118	B-137	
			8850	902				8340	850		5 - 6135	- 17	B-102	B-118	B-137	
			13100	1330				12300	1260		5 - 6140	- 17	B-102	B-118	B-137	
			5010	511				6350	647		5 - 6115	- 21	B-101	B-117	B-136	
			8010	816				7570	772		5 - 6120	- 21	B-101	B-117	B-136	
69.0	486	49.6	8010	816	83.3	403	41.1	7570	772	1.32	5 - 6125	- 21	B-101	B-117	B-136	
			9440	962				8900	908		5 - 6130	- 21	B-102	B-118	B-137	
			9440	962				8900	908		5 - 6135	- 21	B-102	B-118	B-137	
			14000	1420				13200	1350		5 - 6140	- 21	B-102	B-118	B-137	
			14000	1420				13200	1350		5 - 6145	- 21	B-102	B-118	B-137	

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000 SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*"1" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

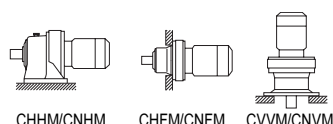


3.7 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
12.0	2100	214	22100	2250	*1	14.5	2100	214	22100	2250	*1	5 -	6165DC	- 121	B-111	B-127	B-146
			29500	3010	1.19				29500	3010	1.43	5 -	6175DC	- 121	B-111	B-127	B-146
	2650	271	41700	4250	1.53		2200	224	41000	4180	1.85	5 -	6180DB	- 121	B-111	B-127	B-146
			41700	4250	1.81				41000	4180	2.19	5 -	6185DB	- 121	B-111	B-127	B-146
			59000	6010	2.40				57300	5840	2.90	5 -	6190DB	- 121	B-112	B-128	B-147
			59000	6010	2.86				57300	5840	3.22	5 -	6195DB	- 121	B-112	B-128	B-147
10.1	2530	258	29500	3010	*1	12.2	2530	258	29500	3010	*1	5 -	6170DC	- 143	B-111	B-127	B-146
			29500	3010	1.00				29500	3010	1.21	5 -	6175DC	- 143	B-111	B-127	B-146
	3140	320	41700	4250	1.29		2600	265	41700	4250	1.56	5 -	6180DB	- 143	B-111	B-127	B-146
			41700	4250	1.56				41700	4250	1.89	5 -	6185DB	- 143	B-111	B-127	B-146
			59000	6010	1.69				59000	6010	1.69	5 -	6190DA	- 143	B-111	B-128	B-147
			59000	6010	2.03				59000	6010	2.46	5 -	6190DB	- 143	B-112	B-128	B-147
59000	6010	2.43	59000	6010	2.94	5 -	6195DB	- 143	B-112	B-128	B-147						
8.79	2530	258	29500	3010	*1	10.6	2530	258	29500	3010	*1	5 -	6170DC	- 165	B-111	B-127	B-146
			29500	3010	0.87				29500	3010	1.05	5 -	6175DC	- 165	B-111	B-127	B-146
	3620	369	41700	4250	1.12		3000	306	41700	4250	1.35	5 -	6180DB	- 165	B-111	B-127	B-146
			41700	4250	1.36				41700	4250	1.64	5 -	6185DB	- 165	B-111	B-127	B-146
			59000	6010	1.69				59000	6010	1.69	5 -	6190DA	- 165	B-111	B-128	B-147
			59000	6010	1.76				59000	6010	2.13	5 -	6190DB	- 165	B-112	B-128	B-147
59000	6010	2.19	59000	6010	2.64	5 -	6195DB	- 165	B-112	B-128	B-147						
84100	8570	2.56	84100	8570	3.09	5 -	6205DB	- 165	B-112	B-129	B-148						
7.44	3150	321	29500	3010	*1	8.97	3150	321	29500	3010	*1	5 -	6175DC	- 195	B-111	B-127	B-146
			41700	4250	1.15				41700	4250	1.39	5 -	6185DB	- 195	B-111	B-127	B-146
	4280	436	59000	6010	1.49		3540	361	59000	6010	1.69	5 -	6190DA	- 195	B-111	B-128	B-147
			59000	6010	1.49				59000	6010	1.80	5 -	6190DB	- 195	B-112	B-128	B-147
			59000	6010	1.52				59000	6010	1.69	5 -	6195DA	- 195	B-111	B-128	B-147
			59000	6010	1.85				59000	6010	2.23	5 -	6195DB	- 195	B-112	B-128	B-147
			84100	8570	2.17				84100	8570	2.62	5 -	6205DB	- 195	B-112	B-129	B-148
			104000	10600	2.85				104000	10600	3.22	5 -	6215DA	- 195	B-112	B-129	B-148
104000	10600	2.85	104000	10600	3.43	5 -	6215DB	- 195	B-113	B-130	B-149						
131000	13400	2.92	124000	12600	3.22	5 -	6225DA	- 195	B-113	B-130	B-149						
6.28	4050	413	41700	4250	*1	7.58	4050	413	41700	4250	*1	5 -	6180DB	- 231	B-111	B-127	B-146
			41700	4250	0.98				41700	4250	1.19	5 -	6185DB	- 231	B-111	B-127	B-146
	5070	516	59000	6010	1.26		4200	428	59000	6010	1.52	5 -	6190DA	- 231	B-111	B-128	B-147
			59000	6010	1.57				59000	6010	1.69	5 -	6195DA	- 231	B-111	B-128	B-147
			59000	6010	1.57				59000	6010	1.90	5 -	6195DB	- 231	B-112	B-128	B-147
			84100	8570	1.83				84100	8570	2.21	5 -	6205DB	- 231	B-112	B-129	B-148
			104000	10600	2.47				104000	10600	2.98	5 -	6215DA	- 231	B-112	B-129	B-148
			140000	14200	2.92				132000	13500	3.22	5 -	6225DA	- 231	B-113	B-130	B-149
140000	14200	2.92	132000	13500	3.53	5 -	6225DB	- 231	B-113	B-130	B-149						

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

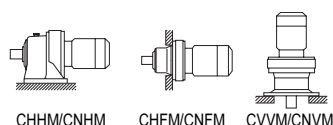
Selection Tables Gearmotors



3.7 kW	n ₁ : Motor Speed				
	Hz	50Hz		60Hz	
	P	4	6	4	6
	n ₁ r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
1.16	20500	2090	179000	18200	*1	1.40	20500	2090	179000	18200	*1	5 -	6235DA	- 1247	B-114	B-131	B-150
	27300	2790	208000	21200	0.94		22700	2310	208000	21200	1.14	5 -	6245DA	- 1247	B-114	B-131	B-150
			258000	26300	1.26				258000	26300	1.52	5 -	6255DA	- 1247	B-115	B-132	B-151
0.980	22600	2310	208000	21200	*1	1.18	22600	2310	208000	21200	*1	5 -	6245DA	- 1479	B-114	B-131	B-150
	32400	3310	258000	26300	0.96		26900	2740	258000	26300	1.15	5 -	6255DA	- 1479	B-115	B-132	B-151
0.784	40600	4130	258000	26300	0.85	0.946	33600	3430	258000	26300	1.03	5 -	6255DA	- 1849	B-115	B-132	B-151
0.702	34500	3520	258000	26300	*1	0.847	34500	3520	258000	26300	*1	5 -	6255DA	- 2065	B-115	B-132	B-151
0.572	34500	3520	258000	26300	*1	0.690	34500	3520	258000	26300	*1	5 -	6255DA	- 2537	B-115	B-132	B-151
0.476	31000	3160	258000	26300	*1	0.575	31000	3160	258000	26300	*1	5 -	6255DA	- 3045	B-115	B-132	B-151
0.417	34500	3520	258000	26300	*1	0.503	34500	3520	258000	26300	*1	5 -	6255DA	- 3481	B-115	B-132	B-151
0.327	31000	3160	258000	26300	*1	0.394	31000	3160	258000	26300	*1	5 -	6255DA	- 4437	B-115	B-132	B-151
0.282	34500	3520	258000	26300	*1	0.341	34500	3520	258000	26300	*1	5 -	6255DA	- 5133	B-115	B-132	B-151
0.235	31000	3160	258000	26300	*1	0.283	31000	3160	258000	26300	*1	5 -	6255DA	- 6177	B-115	B-132	B-151
0.192	31000	3160	258000	26300	*1	0.231	31000	3160	258000	26300	*1	5 -	6255DA	- 7569	B-115	B-132	B-151

GEARMOTORS

Selection Tables
3.7 kW, 5.5 kW

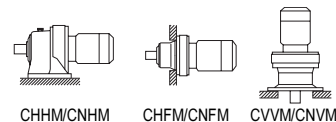
5.5 kW	n ₁ : Motor Speed				
	Hz	50Hz		60Hz	
	P	4	6	4	6
	n ₁ r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
580	86.0	8.77	2410	246	1.17	700	71.3	7.27	2330	238	1.17	8 -	6115SK	- 2.5 *3	B-99	-	B-134
483	103	10.5	2530	258	1.20	583	85.5	8.72	2450	250	1.20	8 -	6115SK	- 3 *3	B-99	-	B-134
363	138	14.0	2640	269	1.22	11.6	2580	263	2580	263	1.22	8 -	6115SK	- 4 *3	B-99	-	B-134
290	172	17.5	2690	274	1.05	350	143	14.5	2640	269	1.05	8 -	6115SK	- 5 *3	B-99	-	B-134
242	206	21.0	2710	276	0.96	292	171	17.4	2700	275	0.96	8 -	6115SK	- 6 *3	B-99	-	B-134
			5140	524	1.27				4850	494	1.06	8 -	6125	- 6	B-101	B-117	B-136
			6060	617	1.71				5710	582	1.71	8 -	6130	- 6	B-102	B-118	B-137
			6060	617	2.05				5710	582	2.05	8 -	6135	- 6	B-102	B-118	B-137
			9370	955	2.36				8860	903	2.36	8 -	6140	- 6	B-102	B-118	B-137
			9370	955	2.75				8860	903	2.75	8 -	6145	- 6	B-102	B-118	B-137
181	275	28.1	2680	273	0.84	219	228	23.3	2710	276	0.84	8 -	6115SK	- 8 *3	B-99	-	B-134
			5710	582	1.26				5400	550	1.26	8 -	6125	- 8	B-101	B-117	B-136
			6740	687	1.71				6360	648	1.71	8 -	6130	- 8	B-102	B-118	B-137
			6740	687	2.05				6360	648	2.05	8 -	6135	- 8	B-102	B-118	B-137
			10400	1060	2.36				9820	1000	2.36	8 -	6140	- 8	B-102	B-118	B-137
			10400	1060	2.75				9820	1000	2.75	8 -	6145	- 8	B-102	B-118	B-137
132	379	38.6	6450	658	1.08	159	314	32.0	6100	622	1.08	8 -	6125	- 11	B-101	B-117	B-136
			7680	783	1.71				7240	739	1.71	8 -	6130	- 11	B-102	B-118	B-137
			7680	783	2.05				7240	739	2.05	8 -	6135	- 11	B-102	B-118	B-137
			11600	1190	2.36				11000	1120	2.36	8 -	6140	- 11	B-102	B-118	B-137
			11600	1190	2.75				11000	1120	2.75	8 -	6145	- 11	B-102	B-118	B-137

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

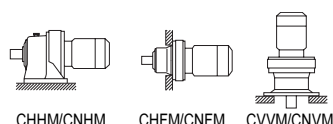
Selection Tables Gearmotors

5.5 kW		n ₁ : Motor Speed												
		Hz		50Hz		60Hz								
		P		4		6		4		6				
		n ₁ r/min		1450		980		1750		1165				
		50Hz					60Hz					Nomenclature		
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio
	r/min	N·m	kgf·m	N			r/min	N·m	kgf·m	N				
112	447	45.6	6630	676	1.08	135	371	37.8	6280	640	1.08	8 -	6125	- 13
			7980	814	1.71				7530	768	1.71			
			7980	814	1.85				7530	768	2.05			
			11900	1210	2.36				11300	1150	2.36			
			11900	1210	2.75				11300	1150	2.75			
96.7	516	52.6	7100	724	1.08	117	428	43.6	6730	686	1.08	8 -	6125	- 15
			8130	829	1.41				7680	783	1.41			
			8130	829	1.63				7680	783	1.63			
			12400	1270	2.18				11800	1200	2.18			
			12400	1270	2.64				11800	1200	2.75			
85.3	585	59.6	7150	729	1.03	103	485	49.4	6780	691	1.03	8 -	6125	- 17
			8710	888	1.32				8230	839	1.32			
			8710	888	1.51				8230	839	1.51			
			13000	1320	1.84				12300	1250	1.84			
			13000	1320	2.18				12300	1250	2.18			
69.0	723	73.7	9260	944	1.08	83.3	599	61.0	8760	893	1.12	8 -	6130	- 21
			9260	944	1.22				8760	893	1.37			
			13900	1410	1.57				13100	1340	1.57			
			13900	1410	1.73				13100	1340	2.00			
			16400	1670	2.35				15400	1570	2.35			
58.0	860	87.7	9580	977	1.05	70.0	713	72.7	9070	925	1.08	8 -	6135	- 25
			14500	1480	1.25				13800	1400	1.25			
			14500	1480	1.44				13800	1400	1.44			
			17100	1740	1.79				16100	1640	1.79			
			17100	1740	2.44				16100	1640	2.75			
50.0	998	102	14800	1510	1.08	60.3	827	84.3	14100	1430	1.08	8 -	6140	- 29
			14800	1510	1.37				14100	1430	1.37			
			17800	1810	1.74				16800	1710	1.91			
			17800	1810	2.07				16800	1710	2.07			
			20200	2060	2.45				19100	1940	2.60			
41.4	1200	123	20800	2120	1.00	50.0	998	102	19600	2000	1.05	8 -	6160	- 51
			20800	2120	1.20				19600	2000	1.37			
			23700	2420	1.39				22400	2280	1.53			
			23700	2420	1.79				22400	2280	2.05			
			31900	3260	2.18				30100	3070	2.18			
33.7	1480	151	20800	2120	1.00	40.7	1230	125	19600	2000	1.05	8 -	6160	- 51
			20800	2120	1.20				19600	2000	1.37			
			23700	2420	1.39				22400	2280	1.53			
			23700	2420	1.79				22400	2280	2.05			
			31900	3260	2.18				30100	3070	2.18			
28.4	1760	179	20800	2120	1.00	34.3	1450	148	19600	2000	1.05	8 -	6160	- 51
			20800	2120	1.20				19600	2000	1.37			
			23700	2420	1.39				22400	2280	1.53			
			23700	2420	1.79				22400	2280	2.05			
			31900	3260	2.18				30100	3070	2.18			



1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors

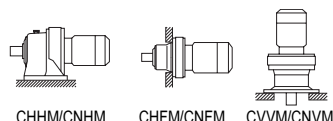


5.5 kW	n ₁ : Motor Speed			
	Hz		50Hz	
	P	n ₁	4	6
	r/min	r/min	1450	980
			1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF			Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF			Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
24.6	2030	207	22100	2250	1.03	29.7	1680	171	21700	2220	1.05	8 -	6165	- 59	B-103	B-119	B-138
			24800	2530	1.20				23400	2390	1.30	8 -	6170	- 59	B-103	B-119	B-138
			24800	2530	1.51				23400	2390	1.51	8 -	6175	- 59	B-103	B-119	B-138
			33400	3400	1.77				31400	3200	1.77	8 -	6180	- 59	B-104	B-120	B-139
			33400	3400	2.18				31400	3200	2.18	8 -	6185	- 59	B-104	B-120	B-139
			47000	4790	2.78				44200	4500	2.78	8 -	6190	- 59	B-104	B-120	B-139
20.4	2440	249	22100	2250	0.86	24.6	2020	206	21600	2200	1.03	8 -	6165	- 71	B-103	B-119	B-138
			26200	2670	1.00				24700	2520	1.08	8 -	6170	- 71	B-103	B-119	B-138
			26200	2670	1.27				24700	2520	1.30	8 -	6175	- 71	B-103	B-119	B-138
			35500	3620	1.60				33400	3410	1.60	8 -	6180	- 71	B-104	B-120	B-139
			35500	3620	1.78				33400	3410	1.78	8 -	6185	- 71	B-104	B-120	B-139
			49800	5080	2.45				46900	4780	2.45	8 -	6190	- 71	B-104	B-120	B-139
16.7	2990	305	22100	2250	1.02	20.1	2480	253	26400	2690	1.02	8 -	6175	- 87	B-103	B-119	B-138
			38100	3880	1.30				35900	3660	1.30	8 -	6180	- 87	B-104	B-120	B-139
			38100	3880	1.56				35900	3660	1.56	8 -	6185	- 87	B-104	B-120	B-139
			53600	5470	2.13				50500	5140	2.15	8 -	6190	- 87	B-104	B-120	B-139
			53600	5470	2.47				50500	5140	2.47	8 -	6195	- 87	B-104	B-120	B-139
13.9	2100	214	22100	2250	*1	16.8	2100	214	22100	2250	*1	8 -	6165DC	- 104	B-111	B-127	B-146
			29500	3010	*1				28600	2920	*1	8 -	6170DC	- 104	B-111	B-127	B-146
			29500	3010	0.93				28500	2900	1.12	8 -	6175DC	- 104	B-111	B-127	B-146
			40500	4130	1.20				38200	3890	1.45	8 -	6180DB	- 104	B-111	B-127	B-146
			40500	4130	1.45				38200	3890	1.74	8 -	6185DB	- 104	B-111	B-127	B-146
			56800	5790	1.88				53500	5460	2.17	8 -	6190DB	- 104	B-112	B-128	B-147
12.0	2530	258	29500	3010	*1	14.5	2530	258	29500	3010	*1	8 -	6170DC	- 121	B-111	B-127	B-146
			29500	3010	*1				29500	3010	*1	8 -	6175DC	- 121	B-111	B-127	B-146
			29500	3010	0.80				29500	3010	0.96	8 -	6175DC	- 121	B-111	B-127	B-146
			41700	4250	1.03				40600	4140	1.24	8 -	6180DB	- 121	B-111	B-127	B-146
			41700	4250	1.22				40600	4140	1.47	8 -	6185DB	- 121	B-111	B-127	B-146
			59000	6010	1.62				57000	5810	1.95	8 -	6190DB	- 121	B-112	B-128	B-147
10.1	3150	321	59000	6010	1.92	12.2	3150	321	57000	5810	2.17	8 -	6195DB	- 121	B-112	B-128	B-147
			84100	8570	2.17				84100	8570	2.17	8 -	6205DB	- 121	B-112	B-129	B-148
			104000	10600	2.88				103000	10500	3.48	8 -	6215DB	- 121	B-113	B-130	B-149
8.79	3150	321	29500	3010	*1	10.6	3150	321	29500	3010	*1	8 -	6175DC	- 165	B-111	B-127	B-146
			41700	4250	*1				41700	4250	*1	8 -	6180DB	- 165	B-111	B-127	B-146
			41700	4250	0.92				41700	4250	1.10	8 -	6185DB	- 165	B-111	B-127	B-146
			59000	6010	1.14				59000	6010	1.14	8 -	6190DA	- 165	B-111	B-128	B-147
			59000	6010	1.19				59000	6010	1.43	8 -	6190DB	- 165	B-112	B-128	B-147
			59000	6010	1.47				59000	6010	1.77	8 -	6195DB	- 165	B-112	B-128	B-147
5.5	4060	414	84100	8570	1.72	4.46	4060	414	84100	8570	2.08	8 -	6205DB	- 165	B-112	B-129	B-148
			104000	10600	2.17				104000	10600	2.17	8 -	6215DA	- 165	B-112	B-129	B-148
			104000	10600	2.26				104000	10600	2.73	8 -	6215DB	- 165	B-113	B-130	B-149
			124000	12700	2.69				118000	12000	3.25	8 -	6225DB	- 165	B-113	B-130	B-149

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

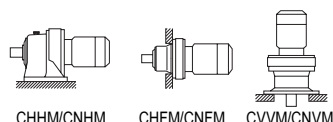
Selection Tables Gearmotors



7.5 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
1.72	25800	2630	208000	21200	*1	2.08	25800	2630	208000	21200	*1	10 -	6245DA	- 841	B-114	B-131	B-150
			258000	26300	0.87				258000	26300	1.05	10 -	6255DA	- 841	B-115	B-132	B-151
	37400	3810	276000	28100	1.23		31000	3160	276000	28100	1.48	10 -	6265DA	- 841	B-115	B-132	B-151
			248000	25300	1.82				248000	25300	2.20	10 -	6275DA	- 841	B-115	-	B-151
1.45	34500	3520	258000	26300	*1	1.74	34500	3520	258000	26300	*1	10 -	6255DA	- 1003	B-115	B-132	B-151
			276000	28100	1.03				276000	28100	1.25	10 -	6265DA	- 1003	B-115	B-132	B-151
	44600	4550	248000	25300	1.53		36900	3770	248000	25300	1.85	10 -	6275DA	- 1003	B-115	-	B-151
1.16	34500	3520	258000	26300	*1	1.40	34500	3520	258000	26300	*1	10 -	6255DA	- 1247	B-115	B-132	B-151
	46000	4690	276000	28100	*1		46000	4690	276000	28100	*1	10 -	6265DA	- 1247	B-115	B-132	B-151
			276000	28100	0.83				276000	28100	1.00	10 -	6265DA	- 1247	B-115	B-132	B-151
	55400	5650	248000	25300	1.23		45900	4680	248000	25300	1.48	10 -	6275DA	- 1247	B-115	-	B-151
0.980	44000	4490	276000	28100	*1	1.18	44000	4490	276000	28100	*1	10 -	6265DA	- 1479	B-115	B-132	B-151
	65800	6700	247000	25200	1.04		54500	5550	248000	25300	1.25	10 -	6275DA	- 1479	B-115	-	B-151
0.784	82200	8380	248000	25300	0.83	0.946	68100	6940	248000	25300	1.00	10 -	6275DA	- 1849	B-115	-	B-151
0.702	68200	6950	248000	25300	*1	0.847	68200	6950	248000	25300	*1	10 -	6275DA	- 2065	B-115	-	B-151
0.572	68200	6950	248000	25300	*1	0.690	68200	6950	248000	25300	*1	10 -	6275DA	- 2537	B-115	-	B-151
0.476	68200	6950	245000	25000	*1	0.575	68200	6950	245000	25000	*1	10 -	6275DA	- 3045	B-115	-	B-151
0.417	68200	6950	248000	25300	*1	0.503	68200	6950	248000	25300	*1	10 -	6275DA	- 3481	B-115	-	B-151
0.327	68200	6950	245000	25000	*1	0.394	68200	6950	245000	25000	*1	10 -	6275DA	- 4437	B-115	-	B-151
0.282	68200	6950	245000	25000	*1	0.341	68200	6950	245000	25000	*1	10 -	6275DA	- 5133	B-115	-	B-151
0.235	68200	6950	245000	25000	*1	0.283	68200	6950	245000	25000	*1	10 -	6275DA	- 6177	B-115	-	B-151
0.192	68200	6950	245000	25000	*1	0.231	68200	6950	245000	25000	*1	10 -	6275DA	- 7569	B-115	-	B-151

GEARMOTORS

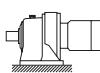
Selection Tables
7.5 kW, 11 kW

11 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout		Alloeable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Alloeable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
242	413	42.1	5840	595	1.03	292	342	34.9	5540	564	1.03	15 -	6135	- 6	B-102	B-118	B-137
			9270	945	1.18				8780	895	1.18	15 -	6140	- 6	B-102	B-118	B-137
			9270	945	1.37				8780	895	1.37	15 -	6145	- 6	B-102	B-118	B-137
			10400	1060	1.85				9760	995	1.85	15 -	6160	- 6	B-103	B-119	B-138
			10400	1060	2.19				9760	995	2.19	15 -	6165	- 6	B-103	B-119	B-138
			11700	1190	2.51				11000	1120	2.51	15 -	6170	- 6	B-103	B-119	B-138
			11700	1190	2.74				11000	1120	2.74	15 -	6175	- 6	B-103	B-119	B-138
181	551	56.1	6480	661	1.03	219	456	46.5	6150	627	1.03	15 -	6135	- 8	B-102	B-118	B-137
			10300	1050	1.18				9730	992	1.18	15 -	6140	- 8	B-102	B-118	B-137
			10300	1050	1.37				9730	992	1.37	15 -	6145	- 8	B-102	B-118	B-137
			11600	1180	1.79				10900	1110	1.79	15 -	6160	- 8	B-103	B-119	B-138
			11600	1180	2.19				10900	1110	2.19	15 -	6165	- 8	B-103	B-119	B-138
			12900	1320	2.51				12200	1240	2.51	15 -	6170	- 8	B-103	B-119	B-138
			12900	1320	2.74				12200	1240	2.74	15 -	6175	- 8	B-103	B-119	B-138

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

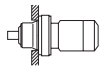
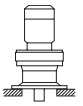
Selection Tables Gearmotors

11 kW		n ₁ : Motor Speed														
		Hz		50Hz		60Hz										
		P		4	6	4	6									
n ₁		r/min		1450	980	1750	1165									

50Hz					60Hz					Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM		
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM		
132	757	77.2	7360	750	1.03	159	627	63.9	6980	712	1.03	15 -	6135	- 11	B-102	B-118	B-137
			11500	1170	1.18				10900	1110	1.18	15 -	6140	- 11	B-102	B-118	B-137
			11500	1170	1.37				10900	1110	1.37	15 -	6145	- 11	B-102	B-118	B-137
			13100	1330	1.79				12300	1260	1.79	15 -	6160	- 11	B-103	B-119	B-138
			13100	1330	2.19				12300	1260	2.19	15 -	6165	- 11	B-103	B-119	B-138
			14900	1520	2.51				14000	1430	2.51	15 -	6170	- 11	B-103	B-119	B-138
			14900	1520	2.74				14000	1430	2.74	15 -	6175	- 11	B-103	B-119	B-138
112	895	91.2	11700	1200	1.18	135	741	75.6	11100	1140	1.18	15 -	6140	- 13	B-102	B-118	B-137
			11700	1200	1.37				11100	1140	1.37	15 -	6145	- 13	B-102	B-118	B-137
			13700	1390	1.79				12900	1320	1.79	15 -	6160	- 13	B-103	B-119	B-138
			13700	1390	2.05				12900	1320	2.05	15 -	6165	- 13	B-103	B-119	B-138
			15500	1580	2.48				14600	1490	2.48	15 -	6170	- 13	B-103	B-119	B-138
			15500	1580	2.74				14600	1490	2.74	15 -	6175	- 13	B-103	B-119	B-138
96.7	1030	105	12300	1250	1.09	117	855	87.2	11600	1190	1.09	15 -	6140	- 15	B-102	B-118	B-137
			12300	1250	1.32				11600	1190	1.37	15 -	6145	- 15	B-102	B-118	B-137
			14500	1470	1.70				13600	1390	1.70	15 -	6160	- 15	B-103	B-119	B-138
			14500	1470	2.04				13600	1390	2.05	15 -	6165	- 15	B-103	B-119	B-138
			16300	1660	2.32				15400	1570	2.32	15 -	6170	- 15	B-103	B-119	B-138
			16300	1660	2.74				15400	1570	2.74	15 -	6175	- 15	B-103	B-119	B-138
			21700	2210	2.95				20400	2080	2.95	15 -	6180	- 15	B-104	B-120	B-139
85.3	1170	119	12800	1300	1.09	103	969	98.8	12100	1240	1.09	15 -	6145	- 17	B-102	B-118	B-137
			14900	1520	1.19				14100	1430	1.19	15 -	6160	- 17	B-103	B-119	B-138
			14900	1520	1.71				14100	1430	1.71	15 -	6165	- 17	B-103	B-119	B-138
			16900	1720	1.79				16000	1630	1.79	15 -	6170	- 17	B-103	B-119	B-138
			16900	1720	2.19				16000	1630	2.19	15 -	6175	- 17	B-103	B-119	B-138
			22900	2340	2.78				21600	2200	2.78	15 -	6180	- 17	B-104	B-120	B-139
69.0	1450	147	13600	1390	0.86	83.3	1200	122	12900	1320	1.00	15 -	6145	- 21	B-102	B-118	B-137
			15900	1620	1.17				15000	1530	1.17	15 -	6160	- 21	B-103	B-119	B-138
			15900	1620	1.45				15000	1530	1.46	15 -	6165	- 21	B-103	B-119	B-138
			18200	1860	1.69				17200	1750	1.77	15 -	6170	- 21	B-103	B-119	B-138
			18200	1860	2.15				17200	1750	2.19	15 -	6175	- 21	B-103	B-119	B-138
			24500	2500	2.73				23100	2350	2.73	15 -	6180	- 21	B-104	B-120	B-139
58.0	1720	175	16600	1690	1.22	70.0	1430	145	15700	1600	1.37	15 -	6165	- 25	B-103	B-119	B-138
			18800	1920	1.42				17800	1810	1.44	15 -	6170	- 25	B-103	B-119	B-138
			18800	1920	1.77				17800	1810	1.77	15 -	6175	- 25	B-103	B-119	B-138
			25500	2600	2.19				24000	2450	2.19	15 -	6180	- 25	B-104	B-120	B-139
			25500	2600	2.74				24000	2450	2.74	15 -	6185	- 25	B-104	B-120	B-139
50.0	2000	203	17200	1750	1.04	60.3	1650	169	16300	1660	1.04	15 -	6165	- 29	B-103	B-119	B-138
			19800	2010	1.23				18700	1900	1.30	15 -	6170	- 29	B-103	B-119	B-138
			19800	2010	1.58				18700	1900	1.71	15 -	6175	- 29	B-103	B-119	B-138
			26600	2710	1.77				25100	2560	1.77	15 -	6180	- 29	B-104	B-120	B-139
			26600	2710	2.19				25100	2560	2.19	15 -	6185	- 29	B-104	B-120	B-139
			37500	3830	2.79				35300	3600	2.79	15 -	6190	- 29	B-104	B-120	B-139
41.4	2410	246	18100	1840	0.87	50.0	2000	203	17100	1750	1.04	15 -	6165	- 35	B-103	B-119	B-138
			20900	2130	1.02				19700	2010	1.09	15 -	6170	- 35	B-103	B-119	B-138
			20900	2130	1.31				19700	2010	1.37	15 -	6175	- 35	B-103	B-119	B-138
			28400	2890	1.68				26700	2730	1.71	15 -	6180	- 35	B-104	B-120	B-139
			28400	2890	2.05				26700	2730	2.05	15 -	6185	- 35	B-104	B-120	B-139
			39600	4040	2.21				37300	3800	2.21	15 -	6190	- 35	B-104	B-120	B-139
			39600	4040	2.74				37300	3800	2.74	15 -	6195	- 35	B-104	B-120	B-139
33.7	2960	302	22100	2250	1.03	40.7	2450	250	20900	2130	1.03	15 -	6175	- 43	B-103	B-119	B-138
			30300	3090	1.37				28600	2920	1.37	15 -	6180	- 43	B-104	B-120	B-139
			30300	3090	1.69				28600	2920	1.71	15 -	6185	- 43	B-104	B-120	B-139
			42600	4340	1.90				40100	4090	1.90	15 -	6190	- 43	B-104	B-120	B-139
			42600	4340	2.46				40100	4090	2.74	15 -	6195	- 43	B-104	B-120	B-139
			77700	7920	2.89				73500	7500	2.89	15 -	6205	- 43	B-105	B-121	B-140

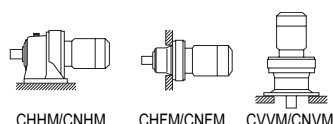
1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors

11 kW		n ₁ : Motor Speed																						
		Hz		50Hz		60Hz																		
		P		4	6	4	6																	
		n ₁	r/min	1450	980	1750	1165																	
50Hz						60Hz						Nomenclature			Page of Dimension Sheet									
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM	CHHM	CHFM	CVVM						
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf															
6.28	9270	945	84100	8570	*1	7.58	9270	945	84100	8570	*1	15 - 6205DB	- 231	B-112	B-129	B-148								
	12500	1270	104000	10600	*1		12500	1270	104000	10600	*1	15 - 6215DA	- 231	B-112	B-130	B-148								
			104000	10600	0.83				104000	10600	1.00	15 - 6215DA	- 231	B-112	B-130	B-148								
			137000	14000	0.98				130000	13300	1.08	15 - 6225DA	- 231	B-113	B-130	B-149								
	15100	1540	137000	14000	0.98		12500	1270	130000	13300	1.19	15 - 6225DB	- 231	B-113	B-130	B-149								
			172000	17500	1.25				163000	16600	1.51	15 - 6235DA	- 231	B-114	B-131	B-150								
			191000	19500	1.71				181000	18500	2.07	15 - 6245DA	- 231	B-114	B-131	B-150								
			233000	23800	2.06				221000	22500	2.48	15 - 6255DA	- 231	B-115	B-132	B-151								
5.31	12500	1270	104000	10600	*1	6.41	12500	1270	104000	10600	*1	15 - 6215DA	- 273	B-112	B-130	B-148								
	14800	1510	145000	14700	*1		14800	1510	137000	13900	*1	15 - 6225DA	- 273	B-113	B-130	B-149								
			144000	14700	0.83				137000	13900	1.00	15 - 6225DA	- 273	B-113	B-130	B-149								
			179000	18200	1.06				171000	17400	1.28	15 - 6235DA	- 273	B-114	B-131	B-150								
	17800	1810	201000	20500	1.45		14700	1500	190000	19400	1.75	15 - 6245DA	- 273	B-114	B-131	B-150								
			245000	25000	1.74				232000	23600	2.10	15 - 6255DA	- 273	B-115	B-132	B-151								
			276000	28100	2.58				276000	28100	3.12	15 - 6265DA	- 273	B-115	B-132	B-151								
			4.55	12700	1290				104000	10600	*1	5.49	12700	1290	104000	10600	*1	15 - 6215DA	- 319	B-112	B-130	B-148		
15000	1530	145000		14800	*1	15000	1530	142000	14500	*1	15 - 6225DA		- 319	B-113	B-130	B-149								
		179000		18200	0.91			177000	18100	1.10	15 - 6235DA		- 319	B-114	B-131	B-150								
20800	2120	208000		21200	1.24	17200	1760	198000	20200	1.50	15 - 6245DA		- 319	B-114	B-131	B-150								
		258000		26300	1.56			244000	24900	1.88	15 - 6255DA		- 319	B-115	B-132	B-151								
		276000		28100	2.21			276000	28100	2.67	15 - 6265DA		- 319	B-115	B-132	B-151								
		3.85		15000	1530			145000	14800	*1	4.64		15000	1530	145000	14800	*1	15 - 6225DA	- 377	B-113	B-130	B-149		
18900	1930			179000	18200	*1	18900	1930	179000	18200			*1	15 - 6235DA	- 377	B-114	B-131	B-150						
			208000	21200	1.05			208000	21200	1.27		15 - 6245DA	- 377	B-114	B-131	B-150								
24600	2510		258000	26300	1.32	20400	2080	256000	26100	1.59		15 - 6255DA	- 377	B-115	B-132	B-151								
			276000	28100	1.87			276000	28100	2.26		15 - 6265DA	- 377	B-115	B-132	B-151								
			248000	25300	2.77			248000	25300	3.35		15 - 6275DA	- 377	B-115	-	B-151								
			3.07	20500	2090			179000	18200	*1		3.70	20500	2090	179000	18200	*1	15 - 6235DA	- 473	B-114	B-131	B-150		
				208000	21200	0.84			208000	21200			1.01	15 - 6245DA	- 473	B-114	B-131	B-150						
30800	3140	258000		26300	1.12	25600	2600	258000	26300	1.35	15 - 6255DA		- 473	B-115	B-132	B-151								
		276000		28100	1.49			276000	28100	1.80	15 - 6265DA		- 473	B-115	B-132	B-151								
		248000		25300	2.21			248000	25300	2.67	15 - 6275DA		- 473	B-115	-	B-151								
		2.59		25800	2630			208000	21200	*1	3.13		25800	2630	208000	21200	*1	15 - 6245DA	- 559	B-114	B-131	B-150		
				258000	26300	0.95			258000	26300			1.14	15 - 6255DA	- 559	B-115	B-132	B-151						
36400	3720			276000	28100	1.26	30200	3080	276000	28100			1.52	15 - 6265DA	- 559	B-115	B-132	B-151						
			248000	25300	1.87	248000			25300	2.26		15 - 6275DA	- 559	B-115	-	B-151								
2.23	25800		2630	208000	21200	*1	2.70	25800	2630	208000		21200	*1	15 - 6245DA	- 649	B-114	B-131	B-150						
	34500		3520	258000	26300	*1		34500	3520	258000		26300	*1	15 - 6255DA	- 649	B-115	B-132	B-151						
				258000	26300	0.82				258000		26300	0.98	15 - 6255DA	- 649	B-115	B-132	B-151						
	42300		4310	276000	28100	1.09		35100	3570	276000		28100	1.31	15 - 6265DA	- 649	B-115	B-132	B-151						
		248000		25300	1.61	248000				25300	1.95	15 - 6275DA	- 649	B-115	-	B-151								
		1.98		34500	3520	258000				26300	*1	2.39	34500	3520	258000	26300	*1	15 - 6255DA	- 731	B-115	B-132	B-151		
				47700	4860	276000				28100	0.97		39500	4030	276000	28100	1.16	15 - 6265DA	- 731	B-115	B-132	B-151		
	248000		25300			1.43		248000	25300	1.73	15 - 6275DA				- 731	B-115	-	B-151						
1.72	32500		3310	258000	26300	*1	2.08	32500	3310	258000	26300		*1	15 - 6255DA	- 841	B-115	B-132	B-151						
				276000	28100	0.84				276000	28100		1.01	15 - 6265DA	- 841	B-115	B-132	B-151						
	54800		5590	248000	25300	1.24		45400	4630	248000	25300		1.50	15 - 6275DA	- 841	B-115	-	B-151						
				1.45	46000	4690				276000	28100		*1	1.74	46000	4690	276000	28100	*1	15 - 6265DA	- 1003	B-115	B-132	B-151
	65400		6670		248000	25300		1.04	54200	5520	248000		25300		1.26	15 - 6275DA	- 1003	B-115	-	B-151				
	1.16	81300	8290		248000	25300		0.84	1.40	67400	6870	248000	25300		1.01	15 - 6275DA	- 1247	B-115	-	B-151				
	0.980	68200	6950		245000	25000		*1	1.18	68200	6950	245000	25000		*1	15 - 6275DA	- 1479	B-115	-	B-151				

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



15 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

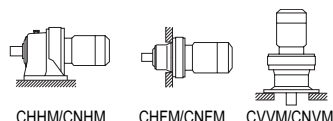
50Hz					60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
242	563	57.4	9200	938	292	467	47.6	8730	889	20 -	6145	- 6	B-102	B-118	B-137
			10200	1040				9670	986	20 -	6160	- 6	B-103	B-119	B-138
			10200	1040				9670	986	20 -	6165	- 6	B-103	B-119	B-138
			11600	1180				10900	1110	20 -	6170	- 6	B-103	B-119	B-138
			11600	1180				10900	1110	20 -	6175	- 6	B-103	B-119	B-138
181	751	76.5	10200	1040	219	622	63.4	9660	984	20 -	6145	- 8	B-102	B-118	B-137
			11400	1170				10800	1100	20 -	6160	- 8	B-103	B-119	B-138
			11400	1170				10800	1100	20 -	6165	- 8	B-103	B-119	B-138
			12800	1310				12100	1230	20 -	6170	- 8	B-103	B-119	B-138
			12800	1310				12100	1230	20 -	6175	- 8	B-103	B-119	B-138
132	1030	105	11400	1160	159	855	87.2	10800	1100	20 -	6145	- 11	B-102	B-118	B-137
			12900	1320				12200	1240	20 -	6160	- 11	B-103	B-119	B-138
			12900	1320				12200	1240	20 -	6165	- 11	B-103	B-119	B-138
			14700	1500				13900	1420	20 -	6170	- 11	B-103	B-119	B-138
			14700	1500				13900	1420	20 -	6175	- 11	B-103	B-119	B-138
			19600	2000				18500	1880	20 -	6180	- 11	B-104	B-120	B-139
			19600	2000				18500	1880	20 -	6185	- 11	B-104	B-120	B-139
			27500	2800				25800	2630	20 -	6190	- 11	B-104	B-120	B-139
112	1220	124	11600	1190	135	1010	103	11000	1130	20 -	6145	- 13	B-102	B-118	B-137
			13500	1370				12700	1300	20 -	6160	- 13	B-103	B-119	B-138
			13500	1370				12700	1300	20 -	6165	- 13	B-103	B-119	B-138
			15300	1560				14500	1470	20 -	6170	- 13	B-103	B-119	B-138
			15300	1560				14500	1470	20 -	6175	- 13	B-103	B-119	B-138
			20400	2080				19200	1960	20 -	6180	- 13	B-104	B-120	B-139
			20400	2080				19200	1960	20 -	6185	- 13	B-104	B-120	B-139
96.7	1410	144	28600	2910	117	1170	119	26900	2740	20 -	6190	- 13	B-104	B-120	B-139
			12100	1240				11500	1170	20 -	6145	- 15	B-102	B-118	B-137
			14200	1450				13500	1370	20 -	6160	- 15	B-103	B-119	B-138
			14200	1450				13500	1370	20 -	6165	- 15	B-103	B-119	B-138
			16100	1640				15200	1550	20 -	6170	- 15	B-103	B-119	B-138
			16100	1640				15200	1550	20 -	6175	- 15	B-103	B-119	B-138
			21600	2200				20300	2070	20 -	6180	- 15	B-104	B-120	B-139
85.3	1600	163	21600	2200	103	1320	135	20300	2070	20 -	6185	- 15	B-104	B-120	B-139
			30000	3060				28200	2880	20 -	6190	- 15	B-104	B-120	B-139
			12600	1290				12000	1220	20 -	6145	- 17	B-102	B-118	B-137
			14600	1490				13900	1410	20 -	6165	- 17	B-103	B-119	B-138
			16700	1700				15800	1610	20 -	6170	- 17	B-103	B-119	B-138
			16700	1700				15800	1610	20 -	6175	- 17	B-103	B-119	B-138
			22700	2320				21400	2180	20 -	6180	- 17	B-104	B-120	B-139
69.0	1970	201	22700	2320	83.3	1630	166	21400	2180	20 -	6185	- 17	B-104	B-120	B-139
			31600	3220				29800	3030	20 -	6190	- 17	B-104	B-120	B-139
			15600	1590				14800	1510	20 -	6165	- 21	B-103	B-119	B-138
			17900	1830				17000	1730	20 -	6170	- 21	B-103	B-119	B-138
			17900	1830				17000	1730	20 -	6175	- 21	B-103	B-119	B-138
			24300	2480				22900	2340	20 -	6180	- 21	B-104	B-120	B-139
			24300	2480				22900	2340	20 -	6185	- 21	B-104	B-120	B-139
58.0	2350	239	34000	3470				32000	3260	20 -	6190	- 21	B-104	B-120	B-139
			16200	1650	70.0	1940	198	15400	1570	20 -	6165	- 25	B-103	B-119	B-138
			18500	1890				17500	1780	20 -	6170	- 25	B-103	B-119	B-138
			18500	1890				17500	1780	20 -	6175	- 25	B-103	B-119	B-138
			25300	2580				23800	2430	20 -	6180	- 25	B-104	B-120	B-139
			25300	2580				23800	2430	20 -	6185	- 25	B-104	B-120	B-139
			35600	3620				33500	3410	20 -	6190	- 25	B-104	B-120	B-139
			35600	3620				33500	3410	20 -	6195	- 25	B-104	B-120	B-139

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables
15 kW

- Sumitomo Drive Technologies

Selection Tables Gearmotors



15 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

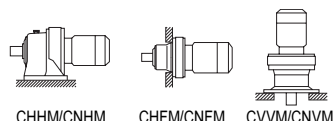
50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
8.79	9270	945	84100	8570	*1	10.6	9270	945	84100	8570	*1	20 -	6205DB	- 165	B-112	B-129	B-148
	11700	1190	104000	10600	*1		9670	985	104000	10600	*1	20 -	6215DA	- 165	B-112	B-129	B-148
			104000	10600	0.80				104000	10600	0.80	20 -	6215DA	- 165	B-112	B-129	B-148
			104000	10600	0.83				104000	10600	1.00	20 -	6215DB	- 165	B-113	B-129	B-149
			122000	12500	0.98				116000	11800	1.19	20 -	6225DB	- 165	B-113	B-130	B-149
			152000	15500	1.34				144000	14700	1.61	20 -	6235DA	- 165	B-114	B-114	B-150
	14700	1500	170000	17400	1.69		12200	1240	161000	16400	1.69	20 -	6245DA	- 165	B-114	B-114	B-150
			170000	17400	1.79				161000	16400	2.16	20 -	6245DB	- 165	B-114	B-114	B-150
			209000	21300	2.12				197000	20100	2.12	20 -	6255DA	- 165	B-115	B-132	B-151
			209000	21300	2.12				197000	20100	2.56	20 -	6255DB	- 165	B-115	B-132	B-151
		254000	25900	2.98				241000	24500	3.38	20 -	6265DA	- 165	B-115	B-132	B-151	
7.44	12200	1240	104000	10600	*1	8.97	11400	1160	104000	10600	*1	20 -	6215DA	- 195	B-112	B-129	B-148
	12500	1270	129000	13200	*1		11400	1160	122000	12500	*1	20 -	6225DA	- 195	B-113	B-113	B-149
			128000	13100	0.84				122000	12400	1.01	20 -	6225DB	- 195	B-113	B-130	B-149
			160000	16300	1.13				151000	15400	1.37	20 -	6235DA	- 195	B-114	B-114	B-150
			179000	18200	1.51				169000	17200	1.59	20 -	6245DA	- 195	B-114	B-114	B-150
	17300	1770	179000	18200	1.51		14400	1460	169000	17200	1.83	20 -	6245DB	- 195	B-114	B-114	B-150
			219000	22300	1.80				207000	21100	2.12	20 -	6255DA	- 195	B-115	B-132	B-151
			219000	22300	1.80				207000	21100	2.17	20 -	6255DB	- 195	B-115	B-132	B-151
		267000	27200	2.52			253000	25800	3.04	20 -	6265DA	- 195	B-115	B-132	B-151		
6.28	14800	1510	137000	14000	*1	7.58	13500	1380	130000	13200	*1	20 -	6225DA	- 231	B-113	B-113	B-149
			171000	17400	0.92				162000	16500	1.11	20 -	6235DA	- 231	B-114	B-114	B-150
			190000	19400	1.26				180000	18400	1.52	20 -	6245DA	- 231	B-114	B-114	B-150
	20500	2090	232000	23700	1.51		17000	1730	220000	22400	1.82	20 -	6255DA	- 231	B-115	B-132	B-151
			276000	28100	2.24				269000	27400	2.70	20 -	6265DA	- 231	B-115	B-132	B-151
5.31	18900	1930	179000	18200	*1	6.41	18900	1930	170000	17300	*1	20 -	6235DA	- 273	B-114	B-114	B-150
			200000	20300	1.06				189000	19300	1.28	20 -	6245DA	- 273	B-114	B-114	B-150
	24300	2470	244000	24900	1.28		20100	2050	231000	23500	1.54	20 -	6255DA	- 273	B-115	B-132	B-151
			276000	28100	1.90				276000	28100	2.29	20 -	6265DA	- 273	B-115	B-132	B-151
4.55	18900	1930	179000	18200	*1	5.49	18900	1930	177000	18100	*1	20 -	6235DA	- 319	B-114	B-114	B-150
			208000	21200	0.91				197000	20100	1.10	20 -	6245DA	- 319	B-114	B-114	B-150
			256000	26100	1.14				243000	24800	1.38	20 -	6255DA	- 319	B-115	B-132	B-151
	28400	2890	276000	28100	1.62		23500	2400	276000	28100	1.96	20 -	6265DA	- 319	B-115	B-132	B-151
			248000	25300	2.40				248000	25300	2.90	20 -	6275DA	- 319	B-115	-	B-151
3.85	25800	2630	208000	21200	*1	4.64	25800	2630	207000	21100	*1	20 -	6245DA	- 377	B-114	B-114	B-150
			258000	26300	0.97				255000	26000	1.17	20 -	6255DA	- 377	B-115	B-132	B-151
	33500	3420	276000	28100	1.37		27800	2830	276000	28100	1.66	20 -	6265DA	- 377	B-115	B-132	B-151
		248000	25300	2.03				248000	25300	2.46	20 -	6275DA	- 377	B-115	-	B-151	
3.07	25800	2630	208000	21200	*1	3.70	25800	2630	208000	21200	*1	20 -	6245DA	- 473	B-114	B-114	B-150
	34500	3520	258000	26300	*1		34500	3520	258000	26300	*1	20 -	6255DA	- 473	B-115	B-132	B-151
			258000	26300	0.82				258000	26300	0.98	20 -	6255DA	- 473	B-115	B-132	B-151
			258000	26300	0.82				258000	26300	0.98	20 -	6255DB	- 473	B-115	B-132	B-151
	42100	4290	276000	28100	1.09		34800	3550	276000	28100	1.32	20 -	6265DA	- 473	B-115	B-132	B-151
		248000	25300	1.62			248000	25300	1.96	20 -	6275DA	- 473	B-115	-	B-151		
2.59	34500	3520	258000	26300	*1	3.13	34500	3520	258000	26300	*1	20 -	6255DA	- 559	B-115	B-132	B-151
			276000	28100	0.93				276000	28100	1.12	20 -	6265DA	- 559	B-115	B-132	B-151
	49700	5070	248000	25300	1.37		41200	4200	248000	25300	1.66	20 -	6275DA	- 559	B-115	-	B-151
2.23	46000	4690	276000	28100	*1	2.70	46000	4690	276000	28100	*1	20 -	6265DA	- 649	B-115	B-132	B-151
			276000	28100	0.80				276000	28100	0.96	20 -	6265DA	- 649	B-115	B-132	B-151
	57700	5880	248000	25300	1.18		47800	4870	248000	25300	1.43	20 -	6275DA	- 649	B-115	-	B-151
1.98	46000	4690	276000	28100	*1	2.39	46000	4690	276000	28100	*1	20 -	6265DA	- 731	B-115	B-132	B-151
	65000	6630	248000	25300	1.05		53900	5490	248000	25300	1.27	20 - 6275DA	- 731	B-115	-	B-151	
1.72	46000	4690	276000	28100	*1	2.08	46000	4690	276000	28100	*1	20 -	6265DA	- 841	B-115	B-132	B-151
	74800	7620	248000	25300	0.91		62000	6320	248000	25300	1.10	20 -	6275DA	- 841	B-115	-	B-151
1.45	68200	6950	248000	25300	*1	1.74	68200	6950	248000	25300	*1	20 -	6275DA	- 1003	B-115	-	B-151
1.16	68200	6950	248000	25300	*1	1.40	68200	6950	248000	25300	*1	20 -	6275DA	- 1247	B-115	-	B-151

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables
18.5 kW

- Sumitomo Drive Technologies

Selection Tables Gearmotors



18.5 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

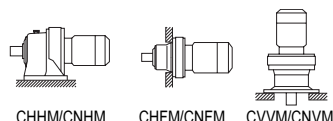
50Hz						60Hz						Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM			
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM			
50.0	3360	342	19000	1940	60.3	2780	284	18100	1840	1.02	25 -	6175 - 29	B-103	B-119	B-138			
			26100	2660				1.05	25 -	6180 - 29	B-104	B-120	B-139					
			26100	2660				1.30	25 -	6185 - 29	B-104	B-120	B-139					
			37200	3790				1.66	25 -	6190 - 29	B-104	B-120	B-139					
			37200	3790				2.04	25 -	6195 - 29	B-104	B-120	B-139					
			68700	7000				2.47	25 -	6205 - 29	B-105	B-121	B-140					
41.4	4050	413	27800	2830	1.00	50.0	3360	342	26300	2680	1.02	25 -	6180 - 35	B-104	B-120	B-139		
			27800	2830	1.22				25 -	6185 - 35	B-104	B-120	B-139					
			39200	3990	1.31				25 -	6190 - 35	B-104	B-120	B-139					
			39200	3990	1.63				25 -	6195 - 35	B-104	B-120	B-139					
33.7	4980	507	29500	3010	1.01	40.7	4120	420	28000	2850	1.02	25 -	6185 - 43	B-104	B-120	B-139		
			42000	4290	1.13				25 -	6190 - 43	B-104	B-120	B-139					
			42000	4290	1.46				25 -	6195 - 43	B-104	B-120	B-139					
			77300	7880	1.72				25 -	6205 - 43	B-105	B-121	B-140					
			78900	8050	2.44				25 -	6215 - 43	B-105	B-121	B-140					
28.4	5900	602	30400	3100	0.82	34.3	4890	499	28900	2940	0.82	25 -	6185 - 51	B-104	B-120	B-139		
			43700	4460	0.98				25 -	6190 - 51	B-104	B-120	B-139					
			43700	4460	1.13				25 -	6195 - 51	B-104	B-120	B-139					
24.6	6830	696	45700	4660	1.02	29.7	5660	577	43100	4400	1.02	25 -	6195 - 59	B-104	B-120	B-139		
			83900	8550	1.22				25 -	6205 - 59	B-105	B-121	B-140					
			85600	8730	1.83				25 -	6215 - 59	B-105	B-121	B-140					
			90800	9250	2.12				25 -	6225 - 59	B-106	B-122	B-141					
22.8	7360	751	47400	4830	1.08	27.1	6190	631	45000	4580	1.24	256 -	6195 - 43	B-104	B-120	B-139		
			88400	9010	1.72				256 -	6215 - 43	B-105	B-121	B-140					
			93700	9550	2.17				256 -	6225 - 43	B-106	B-122	B-141					
20.4	8220	838	48100	4910	0.84	24.6	6810	694	45500	4640	0.84	25 -	6195 - 71	B-104	B-120	B-139		
16.7	10100	1030	95600	9740	1.06	20.1	8340	851	90600	9240	1.16	25 -	6215 - 87	B-105	B-121	B-140		
			101000	10300	1.44				96100	9790	1.44	25 -	6225 - 87	B-106	B-122	B-141		
16.6	10100	1030	95700	9760	1.25	19.7	8500	866	91100	9290	1.49	256 -	6215 - 59	B-105	B-121	B-140		
			102000	10300	1.57				96700	9850	1.80	256 -	6225 - 59	B-106	B-122	B-141		
			127000	12900	1.87				120000	12300	2.04	256 -	6235 - 59	B-106	B-122	B-142		
12.0	13300	1350	104000	10600	0.86	14.5	11000	1120	101000	10300	1.03	25 -	6215DB - 121	B-113	B-130	B-149		
			113000	11500	1.01				25 -	6225DB - 121	B-113	B-130	B-149					
			142000	14500	1.37				134000	13700	1.37	25 -	6235DA - 121	B-114	B-131	B-150		
			142000	14500	1.41				134000	13700	1.70	25 -	6235DB - 121	B-114	B-131	B-150		
			158000	16100	1.55				150000	15300	1.87	25 -	6245DB - 121	B-114	B-131	B-150		
			194000	19800	1.72				184000	18700	1.72	25 -	6255DA - 121	B-115	B-132	B-151		
			194000	19800	2.07				184000	18700	2.50	25 -	6255DB - 121	B-115	B-132	B-151		
			237000	24200	2.36				224000	22900	2.74	25 -	6265DA - 121	B-115	B-132	B-151		
11.3	14900	1520	113000	11500	1.01	13.4	12500	1280	108000	11000	1.20	256 -	6225 - 87	B-106	B-122	B-141		
			142000	14400	1.15				135000	13700	1.30	256 -	6235 - 87	B-106	B-122	B-142		
			159000	16200	1.52				151000	15400	1.74	256 -	6245 - 87	B-107	B-123	B-142		
			195000	19900	2.08				186000	18900	2.32	256 -	6255 - 87	B-107	B-123	B-142		
8.79	18100	1840	14500	1480	122000	12500	*1	10.6	15000	1530	115000	11800	*1	25 -	6225DB - 165	B-113	B-130	B-149
			121000	12400	0.80	115000	11800				0.97	25 -	6225DB - 165	B-113	B-130	B-149		
			151000	15400	1.08	144000	14600				1.31	25 -	6235DA - 165	B-114	B-131	B-150		
			170000	17300	1.37	161000	16400				1.37	25 -	6245DA - 165	B-114	B-131	B-150		
			170000	17300	1.45	161000	16400				1.75	25 -	6245DB - 165	B-114	B-131	B-150		
			208000	21200	1.72	197000	20100				1.72	25 -	6255DA - 165	B-115	B-132	B-151		
			208000	21200	1.72	197000	20100				2.08	25 -	6255DB - 165	B-115	B-132	B-151		
			254000	25900	2.42	240000	24500				2.74	25 -	6265DA - 165	B-115	B-132	B-151		

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables
18.5 kW, 22 kW

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n_1 and n_2 . Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



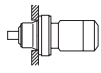
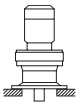
22 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

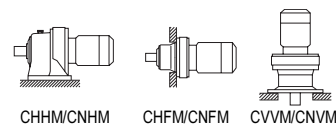
n₁: Motor Speed

50Hz					60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
132	1510	154	12600	1280	159	1250	128	11900	1220	30 -	6165	- 11	B-103	B-119	B-138
			14500	1470				13700	1390	30 -	6170	- 11	B-103	B-119	B-138
			14500	1470				13700	1390	30 -	6175	- 11	B-103	B-119	B-138
			19500	1980				18300	1870	30 -	6180	- 11	B-104	B-120	B-139
			19500	1980				18300	1870	30 -	6185	- 11	B-104	B-120	B-139
			27300	2780				25700	2620	30 -	6190	- 11	B-104	B-120	B-139
			27300	2780				25700	2620	30 -	6195	- 11	B-104	B-120	B-139
			52300	5330				49500	5040	30 -	6205	- 11	B-105	B-121	B-140
112	1790	182	13100	1330	135	1480	151	12400	1270	30 -	6165	- 13	B-103	B-119	B-138
			15000	1530				14200	1450	30 -	6170	- 13	B-103	B-119	B-138
			15000	1530				14200	1450	30 -	6175	- 13	B-103	B-119	B-138
			20200	2060				19100	1940	30 -	6180	- 13	B-104	B-120	B-139
			20200	2060				19100	1940	30 -	6185	- 13	B-104	B-120	B-139
			28400	2890				26700	2730	30 -	6190	- 13	B-104	B-120	B-139
			28400	2890				26700	2730	30 -	6195	- 13	B-104	B-120	B-139
96.7	2060	210	13800	1400	117	1710	174	13100	1340	30 -	6165	- 15	B-103	B-119	B-138
			15600	1590				14800	1510	30 -	6170	- 15	B-103	B-119	B-138
			15600	1590				14800	1510	30 -	6175	- 15	B-104	B-120	B-139
			21300	2170				20100	2050	30 -	6180	- 15	B-104	B-120	B-139
			21300	2170				20100	2050	30 -	6185	- 15	B-104	B-120	B-139
			29800	3040				28100	2860	30 -	6190	- 15	B-104	B-120	B-139
			29800	3040				28100	2860	30 -	6195	- 15	B-104	B-120	B-139
			56200	5730				53200	5420	30 -	6205	- 15	B-105	B-121	B-140
85.3	2340	239	14100	1440	103	1940	198	13400	1370	30 -	6165	- 17	B-103	B-119	B-138
			16200	1650				15400	1570	30 -	6175	- 17	B-103	B-119	B-138
			22400	2280				21200	2160	30 -	6180	- 17	B-104	B-120	B-139
			22400	2280				21200	2160	30 -	6185	- 17	B-104	B-120	B-139
			31400	3200				29600	3010	30 -	6190	- 17	B-104	B-120	B-139
			31400	3200				29600	3010	30 -	6195	- 17	B-104	B-120	B-139
69.0	2890	295	17500	1780	83.3	2400	244	16600	1690	30 -	6175	- 21	B-103	B-119	B-138
			24000	2450				22700	2310	30 -	6180	- 21	B-104	B-120	B-139
			24000	2450				22700	2310	30 -	6185	- 21	B-104	B-120	B-139
			33700	3440				31800	3240	30 -	6190	- 21	B-104	B-120	B-139
			33700	3440				31800	3240	30 -	6195	- 21	B-104	B-120	B-139
			62900	6410				59500	6070	30 -	6205	- 21	B-105	B-121	B-140
58.0	3440	351	17900	1830	70.0	2850	291	17000	1740	30 -	6175	- 25	B-103	B-119	B-138
			24900	2530				23500	2400	30 -	6180	- 25	B-104	B-120	B-139
			24900	2530				23500	2400	30 -	6185	- 25	B-104	B-120	B-139
			35300	3590				33200	3390	30 -	6190	- 25	B-104	B-120	B-139
			35300	3590				33200	3390	30 -	6195	- 25	B-104	B-120	B-139
50.0	3990	407	25900	2640	60.3	3310	337	24500	2500	30 -	6185	- 29	B-104	B-120	B-139
			37000	3770				34900	3560	30 -	6190	- 29	B-104	B-120	B-139
			37000	3770				34900	3560	30 -	6195	- 29	B-104	B-120	B-139
			68500	6990				64900	6610	30 -	6205	- 29	B-105	B-121	B-140
			70000	7130				66200	6750	30 -	6215	- 29	B-105	B-121	B-140
41.4	4820	491	27500	2810	50.0	3990	407	26000	2650	30 -	6185	- 35	B-104	B-120	B-139
			39000	3970				36700	3750	30 -	6190	- 35	B-104	B-120	B-139
			39000	3970				36700	3750	30 -	6195	- 35	B-104	B-120	B-139
33.7	5920	603	29100	2970	40.7	4900	500	27600	2820	30 -	6185	- 43	B-104	B-120	B-139
			41800	4260				39400	4020	30 -	6190	- 43	B-104	B-120	B-139
			41800	4260				39400	4020	30 -	6195	- 43	B-104	B-120	B-139
			77100	7860				73000	7440	30 -	6205	- 43	B-105	B-121	B-140
			78700	8020				74600	7600	30 -	6215	- 43	B-105	B-121	B-140
28.4	7020	716	43400	4420	34.3	5820	593	41000	4180	30 -	6195	- 51	B-106	B-122	B-141

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

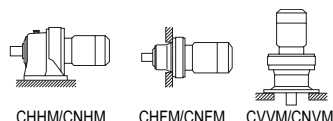
Selection Tables Gearmotors

22 kW		n ₁ : Motor Speed								 CHHM/CNHM		 CHFM/CNFM		 CNVM/CNVM							
		Hz		50Hz		60Hz															
		P		4	6	4	6														
		n ₁	r/min	1450	980	1750	1165														
50Hz						60Hz						Nomenclature			Page of Dimension Sheet						
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM				
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM				
24.6	8120	828	45300	4620	0.85	29.7	6730	686	42800	4360	0.85	30 -	6195	- 59	B-104	B-120	B-139				
			83600	8520	1.03				79200	8070	1.03	30 -	6205	- 59	B-105	B-121	B-140				
			85300	8690	1.54				80800	8240	1.71	30 -	6215	- 59	B-105	B-121	B-140				
			90500	9220	1.79				85700	8740	2.05	30 -	6225	- 59	B-106	B-122	B-141				
22.8	8760	893	84100	8570	1.06	27.1	7370	751	82100	8370	1.26	306 -	6205	- 43	B-105	B-121	B-140				
			88000	8970	1.45				83800	8540	1.72	306 -	6215	- 43	B-105	B-121	B-140				
			93400	9520	1.83				88900	9060	2.17	306 -	6225	- 43	B-106	B-122	B-141				
			101000	10300	1.21				95700	9760	1.21	30 -	6225	- 87	B-106	B-122	B-141				
16.6	12000	1220	95200	9710	1.05	19.7	10100	1030	90700	9250	1.25	306 -	6215	- 59	B-105	B-121	B-140				
			101000	10300	1.32				96300	9810	1.51	306 -	6225	- 59	B-106	B-122	B-141				
			141000	14400	2.15				134000	13700	2.55	306 -	6245	- 59	B-107	B-123	B-142				
12.0	15800	1610	114000	104000	10600	*1	14.5	13100	1330	101000	10300	*1	30 -	6215DB	- 121	B-113	B-130	B-149			
			112000	11400	0.85	106000				10900	1.03	30 -	6225DB	- 121	B-113	B-130	B-149				
			141000	14400	1.15	134000				13700	1.15	30 -	6235DA	- 121	B-114	B-131	B-150				
			141000	14400	1.19	134000				13700	1.43	30 -	6235DB	- 121	B-114	B-131	B-150				
			157000	16000	1.30	149000				15200	1.57	30 -	6245DB	- 121	B-114	B-131	B-150				
			193000	19700	1.45	183000				18700	1.45	30 -	6255DA	- 121	B-115	B-132	B-151				
			193000	19700	1.74	183000				18700	2.10	30 -	6255DB	- 121	B-115	B-132	B-151				
			237000	24100	1.99	224000				22800	2.31	30 -	6265DA	- 121	B-115	B-132	B-151				
11.3	17700	1810	158000	16100	1.28	13.4	14900	1520	150000	15300	1.46	306 -	6245	- 87	B-107	B-123	B-142				
			195000	19800	1.75				185000	18900	1.95	306 -	6255	- 87	B-107	B-123	B-142				
			237000	24200	2.43				226000	23000	2.43	306 -	6265	- 87	B-107	B-123	B-142				
8.79	21500	2190	151000	15400	0.91	10.6	17800	1820	143000	14600	1.10	30 -	6235DA	- 165	B-114	B-131	B-150				
			169000	17200	1.15				160000	16300	1.15	30 -	6245DA	- 165	B-114	B-131	B-150				
			169000	17200	1.22				160000	16300	1.47	30 -	6245DB	- 165	B-114	B-131	B-150				
			207000	21100	1.45				196000	20000	1.45	30 -	6255DA	- 165	B-115	B-132	B-151				
			207000	21100	1.45				196000	20000	1.75	30 -	6255DB	- 165	B-115	B-132	B-151				
			253000	25800	2.03				240000	24400	2.31	30 -	6265DA	- 165	B-115	B-132	B-151				
7.44	25400	2590	196000	159000	16200	*1	8.97	21100	2150	150000	15300	*1	30 -	6235DA	- 195	B-114	B-131	B-150			
			177000	18000	1.03	168000				17100	1.08	30 -	6245DA	- 195	B-114	B-131	B-150				
			177000	18000	1.03	168000				17100	1.25	30 -	6245DB	- 195	B-114	B-131	B-150				
			218000	22200	1.23	206000				21000	1.45	30 -	6255DA	- 195	B-115	B-132	B-151				
			218000	22200	1.23	206000				21000	1.48	30 -	6255DB	- 195	B-115	B-132	B-151				
			266000	27100	1.72	252000				25700	2.08	30 -	6265DA	- 195	B-115	B-132	B-151				
6.28	30100	3070	188000	19200	0.86	7.58	25000	2540	179000	18200	1.03	30 -	6245DA	- 231	B-114	B-131	B-150				
			231000	23500	1.03				219000	22300	1.24	30 -	6255DA	- 231	B-115	B-132	B-151				
			276000	28100	1.53				268000	27300	1.84	30 -	6265DA	- 231	B-115	B-132	B-151				
5.31	35600	3630	258000	199000	20300	*1	6.41	29500	3010	258000	188000	19200	*1	30 -	6245DA	- 273	B-114	B-131	B-150		
			242000	24700	0.87	229000				23400	1.05	30 -	6255DA	- 273	B-115	B-132	B-151				
			276000	28100	1.29	276000				28100	1.56	30 -	6265DA	- 273	B-115	B-132	B-151				
4.55	41600	4240	325000	255000	26000	*1	5.49	34500	3510	325000	241000	24600	*1	30 -	6255DA	- 319	B-115	B-132	B-151		
			276000	28100	1.11	276000				28100	1.33	30 -	6265DA	- 319	B-115	B-132	B-151				
			248000	25300	1.64	248000				25300	1.98	30 -	6275DA	- 319	B-115	-	B-151				
3.85	49200	5010	276000	28100	0.94	4.64	40700	4150	276000	28100	1.13	30 -	6265DA	- 377	B-115	B-132	B-151				
			248000	25300	1.39				248000	25300	1.67	30 -	6275DA	- 377	B-115	-	B-151				
3.07	61700	6290	460000	276000	28100	*1	3.70	51100	5210	460000	276000	28100	*1	30 -	6265DA	- 473	B-115	B-132	B-151		
			248000	25300	1.11	248000				25300	1.33	30 -	6275DA	- 473	B-115	-	B-151				
2.59	72900	7430	248000	25300	0.94	3.13	60400	6160	248000	25300	1.13	30 -	6275DA	- 559	B-115	-	B-151				
2.23	86200	87600	682000	69500	248000	25300	*1	2.70	70100	7150	682000	69500	248000	25300	*1	30 -	6275DA	- 649	B-115	-	B-151
			846000	86300	248000	25300	0.81				846000	86300	248000	25300	0.97	30 -	6275DA	- 649	B-115	-	B-151
1.98	682000	69500	248000	25300	*1	2.39	682000	69500	248000	25300	*1	30 -	6275DA	- 731	B-115	-	B-151				



1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



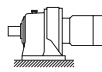
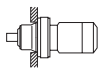
30 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

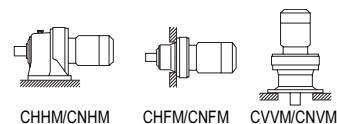
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro	SF			Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro	SF			Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
242	1130	115	11300	1150	1.00	292	933	95.1	10700	1090	1.00	40 -	6175	- 6	B-103	B-119	B-138
181	1500	153	12400	1260	1.00	219	1240	127	11700	1200	1.00	40 -	6175	- 8	B-103	B-119	B-138
132	2060	210	14100	1440	1.00	159	1710	174	13400	1370	1.00	40 -	6175	- 11	B-103	B-119	B-138
			19200	1960	1.17				18200	1850	1.17	40 -	6180	- 11	B-104	B-120	B-139
			19200	1960	1.30				18200	1850	1.30	40 -	6185	- 11	B-104	B-120	B-139
			27100	2760	1.37				25500	2600	1.37	40 -	6190	- 11	B-104	B-120	B-139
			27100	2760	1.60				25500	2600	1.60	40 -	6195	- 11	B-104	B-120	B-139
112	2440	249	52200	5320	1.99	135	2020	206	49400	5030	1.99	40 -	6205	- 11	B-105	B-121	B-140
			52900	5390	2.51				50000	5100	2.51	40 -	6215	- 11	B-105	B-121	B-140
			14600	1490	1.00				13900	1420	1.00	40 -	6175	- 13	B-103	B-119	B-138
			19900	2030	1.17				18800	1920	1.17	40 -	6180	- 13	B-104	B-120	B-139
			19900	2030	1.30				18800	1920	1.30	40 -	6185	- 13	B-104	B-120	B-139
96.7	2820	287	28200	2870	1.37	117	2330	238	26500	2710	1.37	40 -	6190	- 13	B-104	B-120	B-139
			28200	2870	1.60				26500	2710	1.60	40 -	6195	- 13	B-104	B-120	B-139
			15100	1540	1.00				14400	1470	1.00	40 -	6175	- 15	B-103	B-119	B-138
			20900	2130	1.08				19800	2020	1.08	40 -	6180	- 15	B-104	B-120	B-139
			20900	2130	1.30				19800	2020	1.30	40 -	6185	- 15	B-104	B-120	B-139
85.3	3190	325	29500	3010	1.37	103	2640	270	27800	2840	1.37	40 -	6190	- 15	B-104	B-120	B-139
			29500	3010	1.60				27800	2840	1.60	40 -	6195	- 15	B-104	B-120	B-139
			56000	5710	1.99				53000	5410	1.99	40 -	6205	- 15	B-105	B-121	B-140
			56800	5790	2.51				53800	5480	2.51	40 -	6215	- 15	B-105	B-121	B-140
			15700	1600	0.80				14900	1520	0.80	40 -	6175	- 17	B-103	B-119	B-138
69.0	3940	402	22000	2240	1.02	83.3	3270	333	20800	2120	1.02	40 -	6180	- 17	B-104	B-120	B-139
			22000	2240	1.27				20800	2120	1.30	40 -	6185	- 17	B-104	B-120	B-139
			31100	3170	1.37				29300	2990	1.37	40 -	6190	- 17	B-104	B-120	B-139
			31100	3170	1.60				29300	2990	1.60	40 -	6195	- 17	B-104	B-120	B-139
			23600	2410	1.00				22400	2280	1.00	40 -	6180	- 21	B-104	B-120	B-139
58.0	4690	478	23600	2410	1.27	70.0	3890	396	22400	2280	1.30	40 -	6185	- 21	B-104	B-120	B-139
			33500	3410	1.37				31500	3220	1.37	40 -	6190	- 21	B-104	B-120	B-139
			33500	3410	1.60				31500	3220	1.60	40 -	6195	- 21	B-104	B-120	B-139
			62700	6390	1.97				59300	6050	1.97	40 -	6205	- 21	B-105	B-121	B-140
			64100	6530	2.51				60700	6180	2.51	40 -	6215	- 21	B-105	B-121	B-140
50.0	5440	555	24400	2490	1.00	60.3	4510	460	23100	2360	1.00	40 -	6185	- 25	B-104	B-120	B-139
			34900	3560	1.17				32900	3360	1.17	40 -	6190	- 25	B-104	B-120	B-139
			34900	3560	1.35				32900	3360	1.35	40 -	6195	- 25	B-104	B-120	B-139
			25300	2580	0.80				24000	2450	0.80	40 -	6185	- 29	B-104	B-120	B-139
			36600	3730	1.02				34500	3520	1.02	40 -	6190	- 29	B-104	B-120	B-139
46.7	5830	595	36600	3730	1.26	55.5	4910	500	34500	3520	1.26	40 -	6195	- 29	B-104	B-120	B-139
			68200	6950	1.52				64600	6590	1.52	40 -	6205	- 29	B-105	B-121	B-140
			69600	7090	1.95				65900	6720	1.95	40 -	6215	- 29	B-105	B-121	B-140
			73700	7520	2.51				69800	7120	2.51	40 -	6225	- 29	B-106	B-122	B-141
			37700	3850	1.09				35800	3650	1.30	406 -	6190	- 21	B-104	B-120	B-139
41.4	6570	670	37700	3850	1.36	50.0	5440	555	35800	3650	1.60	406 -	6195	- 21	B-104	B-120	B-139
			71700	7310	2.14				68200	6960	2.51	406 -	6215	- 21	B-105	B-121	B-140
			38400	3920	1.00				36300	3700	1.00	40 -	6195	- 35	B-104	B-120	B-139
			76300	7770	1.15				72600	7400	1.32	406 -	6205	- 29	B-105	B-121	B-140
			77800	7930	1.57				74100	7550	1.87	406 -	6215	- 29	B-105	B-121	B-140
33.8	8050	821	82500	8410	1.87	40.2	6780	691	78500	8000	2.22	406 -	6225	- 29	B-106	B-122	B-141
			41100	4190	0.90				38900	3970	1.00	40 -	6195	- 43	B-104	B-120	B-139
			76600	7810	1.06				72600	7400	1.06	40 -	6205	- 43	B-105	B-121	B-140
			78200	7970	1.51				74100	7560	1.51	40 -	6215	- 43	B-105	B-121	B-140
			83000	8460	1.88				78600	8010	1.88	40 -	6225	- 43	B-106	B-122	B-141
24.6	11100	1130	84600	8620	1.13	29.7	9180	935	80300	8180	1.26	40 -	6215	- 59	B-105	B-121	B-140
			89800	9150	1.31				85200	8680	1.51	40 -	6225	- 59	B-106	B-122	B-141
			87200	8890	1.06				83100	8480	1.26	406 -	6215	- 43	B-105	B-121	B-140
22.8	11900	1220	92600	9440	1.34	27.1	10000	1020	88300	9000	1.59	406 -	6225	- 43	B-106	B-122	B-141

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

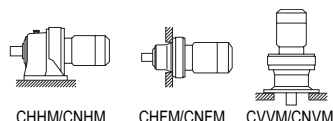
30 kW		n ₁ : Motor Speed															
		Hz		50Hz		60Hz											
		P		4	6	4	6										
		n ₁ r/min		1450	980	1750	1165										

50Hz						60Hz						Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHN	CNFM	CNVM				
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM				
16.6	16400	1670	129000	13200	2.16	19.7	13800	1410	123000	12500	2.51	406 - 6245 - 43	B-107	B-123	B-142				
			125000	12800	1.15				119000	12200	1.26	406 - 6235 - 59	B-106	B-122	B-141				
			140000	14300	1.57				134000	13600	1.87	406 - 6245 - 59	B-107	B-123	B-142				
			173000	17600	1.89				164000	16800	2.16	406 - 6255 - 59	B-107	B-123	B-142				
12.0	21500	2190	13500	1370	113000	11500	*1	14.5	13500	1370	106000	10800	*1	40 - 6225DB - 121	B-113	B-130	B-149		
			140000	14300	0.87	133000	13500		1.05	40 - 6235DB - 121	B-114	B-131	B-150						
			156000	15900	0.95	148000	15100		1.15	40 - 6245DB - 121	B-114	B-131	B-150						
			192000	19600	1.06	182000	18600		1.06	40 - 6255DA - 121	B-115	B-132	B-151						
			192000	19600	1.28	182000	18600		1.54	40 - 6255DB - 121	B-115	B-132	B-151						
11.3	24200	2460	193000	19700	1.28	13.4	20300	2070	184000	18800	1.43	406 - 6255 - 87	B-107	B-123	B-142				
			236000	24100	1.78				225000	22900	1.78	406 - 6265 - 87	B-107	B-123	B-142				
			19600	2000	151000				15400	*1	19600	2000	143000	14500	*1	40 - 6235DB - 165	B-114	B-131	B-150
			167000	17000	0.89				159000	16200	1.08	40 - 6245DB - 165	B-114	B-131	B-150				
			206000	21000	1.06				195000	19900	1.06	40 - 6255DA - 165	B-115	B-132	B-151				
8.79	29300	2990	206000	21000	1.06	10.6	24300	2480	195000	19900	1.28	40 - 6255DB - 165	B-115	B-132	B-151				
			252000	25700	1.49				239000	24300	1.69	40 - 6265DA - 165	B-115	B-132	B-151				
			26200	2680	177000				18000	*1	26200	2680	167000	17000	*1	40 - 6245DB - 195	B-114	B-131	B-150
			216000	22000	0.90				205000	20900	1.06	40 - 6255DA - 195	B-115	B-132	B-151				
			216000	22000	0.90				205000	20900	1.08	40 - 6255DB - 195	B-115	B-132	B-151				
7.44	34700	3530	265000	27000	1.26	8.97	28700	2930	251000	25600	1.52	40 - 6265DA - 195	B-115	B-132	B-151				
			25800	2630	189000				19300	*1	25800	2630	179000	18200	*1	40 - 6245DB - 231	B-114	B-131	B-150
			31000	3160	231000				23500	*1	31000	3160	218000	22200	*1	40 - 6255DA - 231	B-115	B-132	B-151
			41100	4190	276000				28100	1.12	34000	3470	267000	27200	1.35	40 - 6265DA - 231	B-115	B-132	B-151
5.31	31000	3160	243000	24700	*1	6.41	31000	3160	229000	23400	*1	40 - 6255DA - 273	B-115	B-132	B-151				
			48500	4950	276000				28100	0.95	40200	4100	276000	28100	1.14	40 - 6265DA - 273	B-115	B-132	B-151
			46000	4690	276000				28100	*1	46000	4690	276000	28100	*1	40 - 6265DA - 319	B-115	B-132	B-151
4.55	56700	5780	276000	28100	0.81	5.49	47000	4790	276000	28100	0.98	40 - 6265DA - 319	B-115	B-132	B-151				
			248000	25300	1.20				248000	25300	1.45	40 - 6275DA - 319	B-115	-	B-151				
3.85	46000	4690	276000	28100	*1	4.64	46000	4690	276000	28100	*1	40 - 6265DA - 377	B-115	B-132	B-151				
			67000	6830	248000				25300	1.02	55500	5660	248000	25300	1.23	40 - 6275DA - 377	B-115	-	B-151
3.07	68200	6950	248000	25300	*1	3.70	68200	6950	248000	25300	*1	40 - 6275DA - 473	B-115	-	B-151				
			84100	8570	248000				25300	0.81	69700	7100	248000	25300	0.98	40 - 6275DA - 473	B-115	-	B-151
2.59	68200	6950	248000	25300	*1	3.13	68200	6950	248000	25300	*1	40 - 6275DA - 559	B-115	-	B-151				



- Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
- Motor slippage may affect n₁ and n₂. Refer to technical data for details.
- CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
- Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
- "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



37 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

50Hz					60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHH CNFM CNVM		
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
132	2550	260	19000	1940	159	2110	215	18000	1830	50 -	6185	- 11	B-104	B-120	B-139
			27000	2750				25400	2590	50 -	6190	- 11	B-104	B-120	B-139
			27000	2750				25400	2590	50 -	6195	- 11	B-104	B-120	B-139
			52000	5310				49300	5020	50 -	6205	- 11	B-105	B-121	B-140
			52700	5380				49900	5090	50 -	6215	- 11	B-105	B-121	B-140
			56000	5700				53000	5400	50 -	6225	- 11	B-106	B-122	B-141
112	3010	307	19700	2010	135	2490	254	18600	1900	50 -	6185	- 13	B-104	B-120	B-139
			28000	2850				26400	2690	50 -	6190	- 13	B-104	B-120	B-139
			28000	2850				26400	2690	50 -	6195	- 13	B-104	B-120	B-139
96.7	3470	354	20600	2100	117	2880	293	19500	1990	50 -	6185	- 15	B-104	B-120	B-139
			29300	2990				27700	2820	50 -	6190	- 15	B-104	B-120	B-139
			29300	2990				27700	2820	50 -	6195	- 15	B-104	B-120	B-139
			55900	5700				52900	5390	50 -	6205	- 15	B-105	B-121	B-140
			56600	5770				53600	5470	50 -	6215	- 15	B-105	B-121	B-140
			60400	6160				57200	5830	50 -	6225	- 15	B-106	B-122	B-141
85.3	3940	401	21600	2210	103	3260	332	20500	2090	50 -	6185	- 17	B-104	B-120	B-139
			30900	3150				29100	2970	50 -	6190	- 17	B-104	B-120	B-139
			30900	3150				29100	2970	50 -	6195	- 17	B-104	B-120	B-139
69.0	4860	496	23300	2370	83.3	4030	411	22100	2250	50 -	6185	- 21	B-104	B-120	B-139
			33200	3380				31300	3190	50 -	6190	- 21	B-104	B-120	B-139
			33200	3380				31300	3190	50 -	6195	- 21	B-104	B-120	B-139
			62500	6370				59200	6030	50 -	6205	- 21	B-105	B-121	B-140
			63800	6510				60500	6170	50 -	6215	- 21	B-105	B-121	B-140
			67500	6880				63900	6510	50 -	6225	- 21	B-106	B-122	B-141
65.3	5140	524	32900	3360	77.7	4320	441	31300	3190	506 -	6190	- 15	B-104	B-120	B-139
			32900	3360				31300	3190	506 -	6195	- 15	B-104	B-120	B-139
			62600	6380				59500	6070	506 -	6205	- 15	B-105	B-121	B-140
			63400	6460				60300	6150	506 -	6215	- 15	B-105	B-121	B-140
58.0	5790	590	23900	2440	70.0	4800	489	22700	2320	50 -	6185	- 25	B-104	B-120	B-139
			34600	3530				32700	3330	50 -	6190	- 25	B-104	B-120	B-139
			34600	3530				32700	3330	50 -	6195	- 25	B-104	B-120	B-139
50.0	6710	684	36200	3690	60.3	5560	567	34200	3490	50 -	6195	- 29	B-104	B-120	B-139
			67900	6920				64400	6560	50 -	6205	- 29	B-105	B-121	B-140
			69300	7060				65700	6700	50 -	6215	- 29	B-105	B-121	B-140
			73400	7490				69600	7090	50 -	6225	- 29	B-106	B-122	B-141
46.7	7190	733	37300	3800	55.5	6050	617	35500	3610	506 -	6195	- 21	B-104	B-120	B-139
			71400	7280				68000	6930	506 -	6215	- 21	B-105	B-121	B-140
			75500	7690				71800	7320	506 -	6225	- 21	B-106	B-122	B-141
41.4	8100	826	38000	3870	50.0	6710	684	35900	3660	50 -	6195	- 35	B-104	B-120	B-139
33.8	9930	1010	77300	7880	40.2	8360	852	73700	7510	506 -	6215	- 29	B-105	B-121	B-140
			82000	8360				78100	7970	506 -	6225	- 29	B-106	B-122	B-141
			103000	10500				97900	9980	506 -	6235	- 29	B-106	B-122	B-141
33.7	9950	1010	77700	7920	40.7	8250	841	73800	7520	50 -	6215	- 43	B-105	B-121	B-140
			82500	8410				78300	7980	50 -	6225	- 43	B-106	B-122	B-141
24.6	13700	1390	89200	9090	29.7	11300	1150	84700	8630	50 -	6225	- 59	B-106	B-122	B-141
22.8	14700	1500	129000	13100	27.1	12400	1260	122000	12500	506 -	6245	- 43	B-107	B-123	B-142
16.6	20200	2060	140000	14200	19.7	17000	1730	133000	13500	506 -	6245	- 59	B-107	B-123	B-142
			172000	17600				164000	16700	506 -	6255	- 59	B-107	B-123	B-142
			211000	21500				201000	20500	506 -	6265	- 59	B-107	B-123	B-142

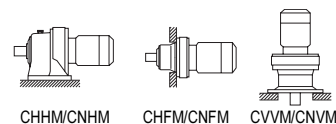
GEARMOTORS

Selection Tables
37 kW

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

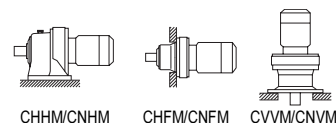
Selection Tables Gearmotors

37 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
12.0	18700	1910	141000	14300	*1	14.5	18700	1910	133000	13500	*1	50 -	6235DB	- 121	B-114	B-131	B-150
	20500	2090	156000	15900	*1		20500	2090	148000	15000	*1	50 -	6245DB	- 121	B-114	B-131	B-150
	26500	2710	191000	19500	1.04		22000	2240	181000	18500	1.25	50 - 6255DB - 121	B-115	B-132	B-151		
11.3	29800	3040	192000	19600	1.04	13.4	25100	2560	183000	18700	1.16	506 -	6255	- 87	B-107	B-123	B-142
			236000	24000	1.44				224000	22900	1.44	506 -	6265	- 87	B-107	B-123	B-142
8.79	26200	2680	168000	17100	*1	10.6	26200	2680	158000	16100	*1	50 -	6245DB	- 165	B-114	B-131	B-150
			205000	20900	0.86				194000	19800	1.04	50 -	6255DB	- 165	B-115	B-132	B-151
7.44	31200	3180	216000	22100	*1	8.97	31200	3180	204000	20800	*1	50 -	6255DB	- 195	B-115	B-132	B-151
			251000	25600	1.21				238000	24300	1.37	50 -	6265DA	- 165	B-115	B-132	B-151
6.28	50700	5160	276000	28100	0.91	7.58	42000	4280	266000	27100	1.10	50 -	6265DA	- 231	B-115	B-132	B-151
5.31	46000	4690	276000	28100	*1	6.41	46000	4690	276000	28100	*1	50 -	6265DA	- 273	B-115	B-132	B-151
4.55	70000	7130	248000	25300	0.97	5.49	58000	5910	248000	25300	1.18	50 -	6275DA	- 319	B-115	-	B-151
3.85	68200	6950	248000	25300	*1	4.64	68200	6950	248000	25300	*1	50 -	6275DA	- 377	B-115	-	B-151
			82700	8430	248000				25300	0.82	68500	6980	248000	25300	1.00	50 -	6275DA

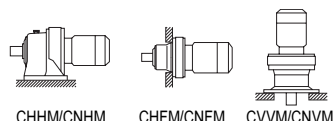
45 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM		
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM		
132	3100	316	26800	2730	1.07	159	2570	262	25300	2570	1.07	60 -	6195	- 11	B-104	B-120	B-139
			51900	5290	1.33				49200	5010	1.33	60 -	6205	- 11	B-105	B-121	B-140
			52600	5360	1.67				49800	5080	1.67	60 -	6215	- 11	B-105	B-121	B-140
			55800	5690	2.21				52800	5390	2.21	60 -	6225	- 11	B-106	B-122	B-141
112	3660	373	27700	2830	1.07	135	3030	309	26200	2670	1.07	60 -	6195	- 13	B-104	B-120	B-139
96.7	4220	431	29000	2960	1.07	117	3500	357	27400	2800	1.07	60 -	6195	- 15	B-104	B-120	B-139
			55700	5680	1.33				52800	5380	1.33	60 -	6205	- 15	B-105	B-121	B-140
			56500	5750	1.67				53500	5450	1.67	60 -	6215	- 15	B-105	B-121	B-140
			60200	6140	2.21				57000	5820	2.21	60 -	6225	- 15	B-106	B-122	B-141
85.3	4790	488	21200	2160	0.85	103	3970	404	20200	2060	0.87	60 -	6185	- 17	B-104	B-120	B-139
			30600	3120	1.07				28900	2950	1.07	60 -	6195	- 17	B-104	B-120	B-139
69.0	5910	603	22800	2330	0.85	83.3	4900	499	21700	2210	0.87	60 -	6185	- 21	B-104	B-120	B-139
			32900	3350	0.91				31100	3170	0.91	60 -	6190	- 21	B-104	B-120	B-139
			32900	3350	1.07				31100	3170	1.07	60 -	6195	- 21	B-104	B-120	B-139
			62200	6340	1.32				59000	6010	1.32	60 -	6205	- 21	B-105	B-121	B-140
			63600	6480	1.67				60300	6140	1.67	60 -	6215	- 21	B-105	B-121	B-140
			67200	6850	2.09				63700	6490	2.09	60 -	6225	- 21	B-106	B-122	B-141
65.3	6250	637	62300	6350	1.33	77.7	5260	536	59300	6050	1.33	606 -	6205	- 15	B-105	B-121	B-140
			63100	6430	1.67				60100	6130	1.67	606 -	6215	- 15	B-105	B-121	B-140
			67400	6870	2.21				64200	6540	2.21	606 -	6225	- 15	B-106	B-122	B-141
58.0	7040	718	34200	3490	0.90	70.0	5830	595	32400	3300	0.90	60 -	6195	- 25	B-104	B-120	B-139
50.0	8170	832	35700	3640	0.84	60.3	6770	690	33900	3450	0.84	60 -	6195	- 29	B-104	B-120	B-139
			67600	6890	1.02				64100	6530	1.02	60 -	6205	- 29	B-105	B-121	B-140
			68900	7030	1.30				65400	6660	1.30	60 -	6215	- 29	B-105	B-121	B-140
			73100	7450	1.67				69300	7070	1.67	60 -	6225	- 29	B-106	B-122	B-141

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

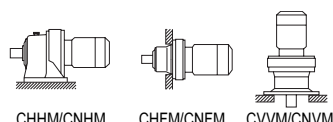
Selection Tables Gearmotors



45 kW		n ₁ : Motor Speed			
		Hz		50Hz	
		P		4	6
		n ₁	r/min	1450	980
				1750	1165

50Hz						60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM	
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHF	CVVM	
46.7	8750	892	69500	7080	55.5	7360	750	66200	6750	1.22	606 -	6205	- 21	B-105	B-121	B-140
			71000	7240				1.67	606 -	6215	- 21	B-105	B-121	B-140		
			75100	7660				2.01	606 -	6225	- 21	B-106	B-122	B-141		
			94100	9590				2.17	606 -	6235	- 21	B-106	B-122	B-141		
33.8	12100	1230	76800	7830	40.2	10200	1040	73200	7460	1.24	606 -	6215	- 29	B-105	B-121	B-140
			102000	10400				1.67	606 -	6235	- 29	B-106	B-122	B-141		
			114000	11700				2.09	606 -	6245	- 29	B-107	B-123	B-142		
33.7	12100	1230	77200	7870	40.7	10000	1020	73300	7470	1.00	60 -	6215	- 43	B-105	B-121	B-140
			82000	8360				1.26	60 -	6225	- 43	B-106	B-122	B-141		
22.8	17900	1830	114000	11600	27.1	15100	1540	108000	11100	1.21	606 -	6235	- 43	B-106	B-122	B-141
			128000	13100				1.67	606 -	6245	- 43	B-107	B-123	B-142		
			157000	16000				1.98	606 -	6255	- 43	B-107	B-123	B-142		
			193000	19700				2.51	606 -	6265	- 43	B-107	B-123	B-142		
16.6	24600	2510	139000	14100	19.7	20700	2110	132000	13500	1.25	606 -	6245	- 59	B-107	B-123	B-142
			210000	21400				2.09	606 -	6265	- 59	B-107	B-123	B-142		
12.0	32300	3290	190000	19400	14.5	26700	2730	180000	18400	1.03	60 -	6255DB	- 121	B-115	B-132	B-151
			234000	23800				1.13	60 -	6265DA	- 121	B-115	B-132	B-151		
11.3	36200	3690	235000	23900	13.4	30500	3110	223000	22800	1.19	606 -	6265	- 87	B-107	B-123	B-142
8.79	44000	4490	250000	25500	10.6	36500	3720	237000	24200	1.13	60 -	6265DA	- 165	B-115	B-132	B-151
7.44	52000	5300	262000	26700	8.97	43100	4390	248000	25300	1.01	60 -	6265DA	- 195	B-115	B-132	B-151
6.28	46000	4690	276000	28100	7.58	46000	4690	265000	27000	*1	60 -	6265DA	- 231	B-115	B-132	B-151
4.55	85100	8670	68200	6950	5.49	70500	7190	248000	25300	*1	60 -	6275DA	- 319	B-115	-	B-151
			248000	25300				0.97	60 -	6275DA	- 319	B-115	-	B-151		

GEARMOTORS

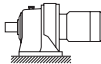
Selection Tables
45 kW, 55 kW

55 kW		n ₁ : Motor Speed			
		Hz		50Hz	
		P		4	6
		n ₁	r/min	1450	980
				1750	1165

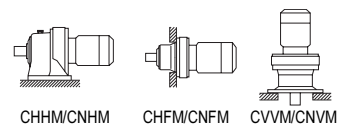
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout		Alloeeable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Alloeeable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHF	CVVM
132	3790	386	51700	5270	1.09	159	3140	320	49000	5000	1.09	75 -	6205	- 11	B-105	B-121	B-140
			52400	5340	1.37				49700	5060	1.37	75 -	6215	- 11	B-105	B-121	B-140
			55600	5670	1.81				52700	5370	1.81	75 -	6225	- 11	B-106	B-122	B-141
96.7	5160	526	55500	5660	1.09	117	4280	436	52600	5360	1.09	75 -	6205	- 15	B-105	B-121	B-140
			56200	5730	1.37				53300	5430	1.37	75 -	6215	- 15	B-105	B-121	B-140
			60000	6120	1.81				56900	5800	1.81	75 -	6225	- 15	B-106	B-122	B-141
89.1	5600	571	57800	5900	1.09	106	4710	480	55100	5610	1.09	756 -	6205	- 11 *2	-	-	-
			58600	5970	1.37				55800	5690	1.37	756 -	6215	- 11 *2	-	-	-
			62200	6340	1.81				59300	6040	1.81	756 -	6225	- 11 *2	-	-	-
69.0	7230	737	61900	6310	1.08	83.3	5990	610	58700	5980	1.08	75 -	6205	- 21	B-105	B-121	B-140
			63300	6450	1.37				60000	6120	1.37	75 -	6215	- 21	B-105	B-121	B-140
			66900	6820	1.71				63400	6470	1.71	75 -	6225	- 21	B-106	B-122	B-141
65.3	7640	779	62000	6320	1.09	77.7	6420	655	59000	6020	1.09	756 -	6205	- 15 *2	-	-	-
			62800	6400	1.37				59800	6100	1.37	756 -	6215	- 15 *2	-	-	-
			67100	6840	1.81				63900	6510	1.81	756 -	6225	- 15 *2	-	-	-

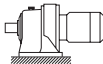
- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

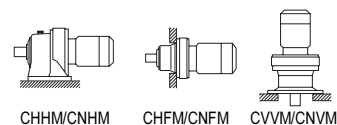
Selection Tables Gearmotors

55 kW		n ₁ : Motor Speed																		
		Hz		50Hz		60Hz														
		P		4	6	4	6													
		n ₁ r/min		1450	980	1750	1165													

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
50.0	9980	1020	68500	6980	1.06	60.3	8270	843	65000	6630	1.06	75 -	6215	- 29	B-105	B-121	B-140
			72700	7410	1.37				69000	7030	1.37	75 -	6225	- 29	B-106	B-122	B-141
			70500	7190	1.17				67200	6860	1.37	756 -	6215	- 21 *2	-	-	-
46.7	10700	1090	74700	7610	1.38	55.5	8990	917	71200	7250	1.65	756 -	6225	- 21 *2	-	-	-
			93700	9550	1.77				89200	9090	1.77	756 -	6235	- 21	B-106	B-122	B-141
			80900	8240	1.02				77200	7870	1.21	756 -	6225	- 29 *2	-	-	-
33.8	14800	1510	114000	11600	1.71	40.2	12400	1270	108000	11100	1.71	756 -	6245	- 29	B-107	B-123	B-142
			141000	14300	2.15				134000	13600	2.15	756 -	6255	- 29	B-107	B-123	B-142
			81400	8290	1.03				77300	7880	1.03	75 -	6225	- 43	B-106	B-122	B-141
22.8	21900	2230	127000	13000	1.18	27.1	18400	1880	121000	12400	1.37	756 -	6245	- 43	B-107	B-123	B-142
			157000	16000	1.42				149000	15200	1.62	756 -	6255	- 43	B-107	B-123	B-142
			192000	19600	2.05				183000	18700	2.05	756 -	6265	- 43	B-107	B-123	B-142
16.6	30000	3060	170000	17400	1.03	19.7	25300	2580	162000	16500	1.18	756 -	6255	- 59	B-107	B-123	B-142
			209000	21400	1.53				199000	20300	1.71	756 -	6265	- 59	B-107	B-123	B-142
			248000	25300	2.27				248000	25300	2.40	756 -	6275	- 59 *2	-	-	-

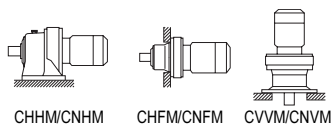


75 kW	n ₁ : Motor Speed																
	Hz		50Hz		60Hz												
	P		4	6	4	6											
	n ₁ r/min		1450	980	1750	1165					CHHM/CNHM	CHFM/CNFM	CVVM/CNVM				
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}	Alloeeable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Alloeeable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
132	5160	526	55300	5640	1.33	159	4280	436	52400	5340	1.33	100-	6225	- 11 *2	-	-	-
96.7	7040	718	59600	6070	1.33	117	5830	595	56500	5760	1.33	100-	6225	- 15 *2	-	-	-
89.1	7640	779	77600	7910	1.51	106	6420	655	73900	7530	1.51	1006-	6235	- 11 *2	-	-	-
			86500	8810	1.76				82300	8390	1.76	1006-	6245	- 11 *2	-	-	-
69.0	9850	1000	66300	6760	1.26	83.3	8170	832	62900	6420	1.26	100-	6225	- 21 *2	-	-	-
65.3	10400	1060	82900	8450	1.51	77.7	8760	893	78900	8050	1.51	1006-	6235	- 15 *2	-	-	-
			92800	9460	1.76				88300	9000	1.76	1006-	6245	- 15 *2	-	-	-
50.0	13600	1390	71800	7320	1.00	60.3	11300	1150	68200	6960	1.00	100-	6225	- 29 *2	-	-	-
46.7	14600	1490	92800	9460	1.30	55.5	12300	1250	88500	9020	1.30	1006-	6235	- 21 *2	-	-	-
			104000	10600	1.60				98700	10100	1.60	1006-	6245	- 21 *2	-	-	-
			127000	12900	2.01				121000	12300	2.01	1006-	6255	- 21 *2	-	-	-
33.8	20100	2050	113000	11500	1.26	40.2	16900	1730	108000	11000	1.26	1006-	6245	- 29 *2	-	-	-
			139000	14200	1.57				133000	13500	1.57	1006-	6255	- 29 *2	-	-	-
			172000	17500	2.12				163000	16600	2.12	1006-	6265	- 29 *2	-	-	-
22.8	29900	3040	155000	15800	1.04	27.1	25100	2560	148000	15100	1.19	1006-	6255	- 43 *2	-	-	-
			191000	19500	1.51				182000	18600	1.51	1006-	6265	- 43 *2	-	-	-
			248000	25300	2.01				248000	25300	2.01	1006-	6275	- 43 *2	-	-	-
16.6	41000	4180	208000	21200	1.12	19.7	34500	3510	198000	20200	1.26	1006-	6265	- 59 *2	-	-	-
			248000	25300	1.67				248000	25300	1.76	1006-	6275	- 59 *2	-	-	-



1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

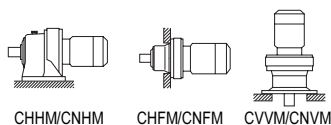
Selection Tables Gearmotors



90 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
89.1	9170	934	77300	7880	1.26	106	7710	786	73600	7500	1.26	1256-	6235	- 11 *2	-	-	-
			86100	8780	1.47				82000	8360	1.47	1256-	6245	- 11 *2	-	-	-
			106000	10800	1.68				101000	10300	1.68	1256-	6255	- 11 *2	-	-	-
			130000	13200	1.94				123000	12600	1.94	1256-	6265	- 11 *2	-	-	-
65.3	12500	1270	82400	8400	1.26	77.7	10500	1070	78500	8010	1.26	1256-	6235	- 15 *2	-	-	-
			92300	9410	1.47				87900	8960	1.47	1256-	6245	- 15 *2	-	-	-
			113000	11600	1.68				108000	11000	1.68	1256-	6255	- 15 *2	-	-	-
			139000	14100	1.94				132000	13400	1.94	1256-	6265	- 15 *2	-	-	-
46.7	17500	1780	92200	9400	1.08	55.5	14700	1500	88000	8970	1.08	1256-	6235	- 21 *2	-	-	-
			103000	10500	1.33				98200	10000	1.33	1256-	6245	- 21 *2	-	-	-
			126000	12900	1.68				120000	12300	1.68	1256-	6255	- 21 *2	-	-	-
			155000	15800	1.91				147000	15000	1.91	1256-	6265	- 21 *2	-	-	-
33.8	24200	2460	112000	11400	1.05	40.2	20300	2070	107000	10900	1.05	1256-	6245	- 29 *2	-	-	-
			139000	14100	1.31				132000	13500	1.31	1256-	6255	- 29 *2	-	-	-
			171000	17400	1.77				163000	16600	1.77	1256-	6265	- 29 *2	-	-	-
22.8	35800	3650	190000	19400	1.26	27.1	30100	3070	181000	18500	1.26	1256-	6265	- 43 *2	-	-	-
			248000	25300	1.68				248000	25300	1.68	1256-	6275	- 43 *2	-	-	-
16.6	49200	5010	248000	25300	1.39	19.7	41400	4220	248000	25300	1.47	1256-	6275	- 59 *2	-	-	-

GEARMOTORS

Selection Tables
90 kW, 110 kW

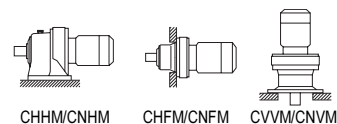
110 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Alloeable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Alloeable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
89.1	11200	1140	85700	8730	1.20	106	9420	961	81600	8320	1.20	1506-	6245	- 11 *2	-	-	-
			105000	10700	1.37				100000	10200	1.37	1506-	6255	- 11 *2	-	-	-
65.3	15300	1560	91700	9350	1.20	77.7	12800	1310	87500	8910	1.20	1506-	6245	- 15 *2	-	-	-
			113000	11500	1.37				108000	11000	1.37	1506-	6255	- 15 *2	-	-	-
46.7	21400	2180	102000	10400	1.09	55.5	18000	1830	97500	9940	1.09	1506-	6245	- 21 *2	-	-	-
			126000	12800	1.37				120000	12200	1.37	1506-	6255	- 21 *2	-	-	-
33.8	29500	3010	138000	14000	1.07	40.2	24800	2530	131000	13400	1.07	1506-	6255	- 29 *2	-	-	-
			170000	17300	1.45				162000	16500	1.45	1506-	6265	- 29 *2	-	-	-
22.8	43800	4460	189000	19300	1.03	27.1	36800	3750	180000	18400	1.03	1506-	6265	- 43 *2	-	-	-

- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

132 kW	n ₁ : Motor Speed				
	Hz		50Hz		60Hz
	P		4	6	4 6
	n ₁	r/min	1450	980	1750 1165



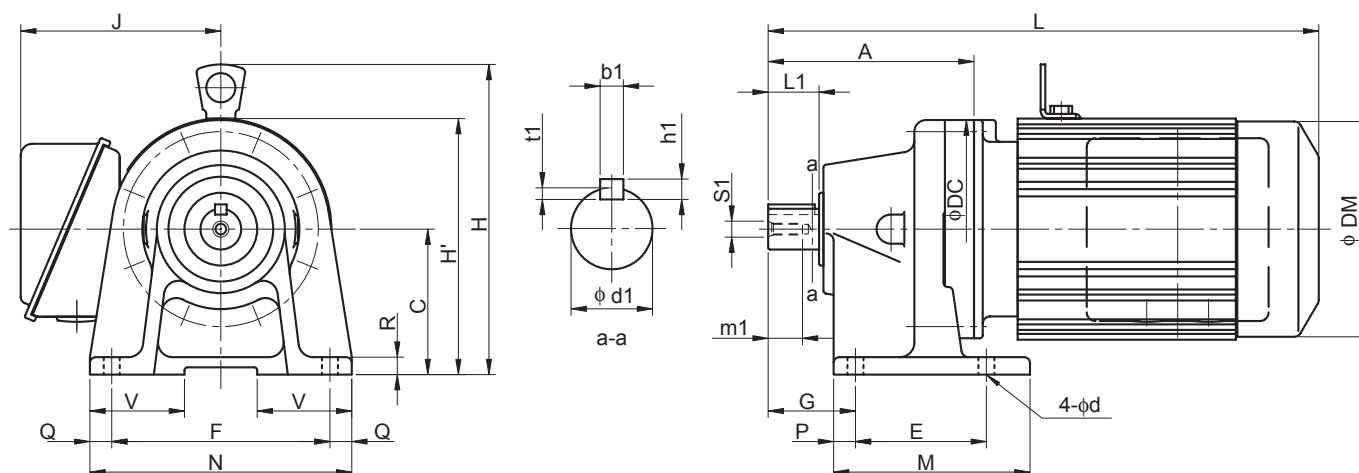
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
89.1	13400	1370	105000	10700	1.14	106	11300	1150	99900	10200	1.14	1756-	6255	- 11 *2	-	-	-
			129000	13100	1.33				123000	12500	1.33	1756-	6265	- 11 *2	-	-	-
65.3	18300	1870	112000	11500	1.14	77.7	15400	1570	107000	10900	1.14	1756-	6255	- 15 *2	-	-	-
			138000	14000	1.33				131000	13400	1.33	1756-	6265	- 15 *2	-	-	-
46.7	25700	2620	125000	12700	1.14	55.5	21600	2200	119000	12100	1.14	1756-	6255	- 21 *2	-	-	-
			154000	15700	1.30				146000	14900	1.30	1756-	6265	- 21 *2	-	-	-
33.8	35400	3610	169000	17200	1.20	40.2	29800	3040	161000	16400	1.20	1756-	6265	- 29 *2	-	-	-

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.
6. "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
7. Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
8. "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
9. Maintain torque load during operation within "Output torque" in the table for models with "**1" in the SF column. They cannot be operated with 100% motor rating.

B CYCLO® GEARMOTORS

3. Dimension Tables

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 606□ to 609□

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
606□	92	80	110	60	120	41	84	144	12	12	10	35	9	14	25	5	5	3	M5	16
607□	98	80	110	60	120	47	84	144	12	12	10	35	9	18	30	6	6	3.5	M6	16
608□	129	90	134	75	120	52	99	144	12	12	13	37	9	22	35	6	6	3.5	M6	16
609□	142	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20

Model Note 4, 5	Motor		Standard							With Brake						
	kW	P	L	H	H'	J	DM	W(kg)		L	H	H'	J	DM	W(kg)	
CNHM01 - 606□ - (B) - Ratio	0.1	4	254	-	140	130	119	7		261	-	138	130	124	8	
CNHM02 - 606□ - (B) - Ratio	0.2	4	272	-	138	130	124	8		300	-	138	130	124	9	
CNHM03 - 606□ - (B) - Ratio	0.25	4	272	-	138	130	124	8		300	-	138	130	124	9	
CNHM01 - 607□ - (B) - Ratio	0.1	4	260	-	140	130	119	7		267	-	138	130	124	8	
CNHM02 - 607□ - (B) - Ratio	0.2	4	278	-	138	130	124	8		306	-	138	130	124	9	
CNHM03 - 607□ - (B) - Ratio	0.25	4	278	-	138	130	124	8		306	-	138	130	124	9	
CNHM05 - 607□ - (B) - Ratio	0.4	4	294	-	138	130	124	9		326	-	138	130	124	10	
CNHM01 - 608□ - (B) - Ratio	0.1	4	286	-	157	130	119	10		293	-	157	130	124	11	
CNHM02 - 608□ - (B) - Ratio	0.2	4	304	-	157	130	124	11		332	-	157	130	124	12	
CNHM03 - 608□ - (B) - Ratio	0.25	4	304	-	157	130	124	11		332	-	157	130	124	12	
CNHM05 - 608□ - (B) - Ratio	0.4	4	320	-	157	130	124	13		352	-	157	130	124	14	
CNHM08 - 608□ - (B) - Ratio	0.55	4	361	203	-	140	148	17		404	203	-	140	148	18	
CNHM1 - 608□ - (B) - Ratio	0.75	4	361	203	-	140	148	17		404	203	-	140	148	18	
CNHM01 - 609□ - (B) - Ratio	0.1	4	304	-	175	130	119	12		311	-	175	130	124	14	
CNHM02 - 609□ - (B) - Ratio	0.2	4	322	-	175	130	124	13		350	-	175	130	124	15	
CNHM03 - 609□ - (B) - Ratio	0.25	4	322	-	175	130	124	13		350	-	175	130	124	15	
CNHM05 - 609□ - (B) - Ratio	0.4	4	338	-	175	130	124	14		370	-	175	130	124	16	
CNHM08 - 609□ - (B) - Ratio	0.55	4	379	213	-	140	148	18		422	213	-	140	148	21	
CNHM1 - 609□ - (B) - Ratio	0.75	4	379	213	-	140	148	18		422	213	-	140	148	21	
CNHM1H - 609□ - (B) - Ratio	1.1	4	412	220	-	145	160	21		474	220	-	145	160	26	
CNHM2 - 609□ - (B) - Ratio	1.5	4	412	220	-	145	160	21		474	220	-	145	160	26	

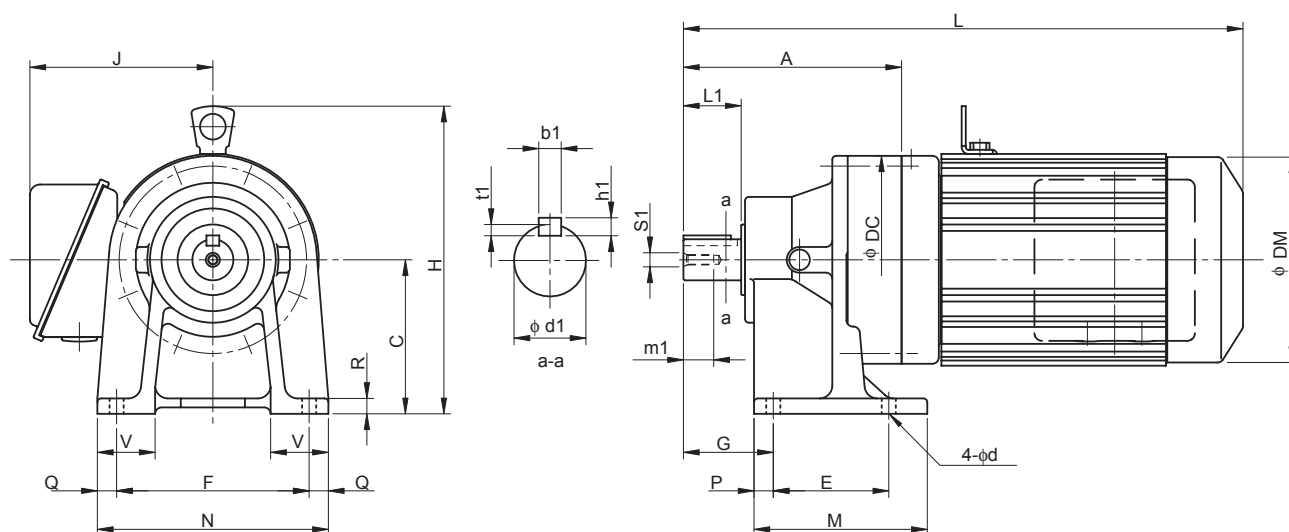
Note: 1. □ indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 610□ to 612□



GEARMOTORS

Dimension Tables
CNHM

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
610□	156	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20
611□	170	120	162	90	150	70	135	180	15	15	12	45	11	32	45	10	8	5	M8	20
612□	186	120	204	115	190	82	155	230	20	20	15	55	14	38	55	10	8	5	M8	20

Model Note 4, 5	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CNHM02 - 610□ - (B) - Ratio	0.2	4	336	207	130	124	18		364	207	130	124	20	
CNHM03 - 610□ - (B) - Ratio	0.25	4	336	207	130	124	18		364	207	130	124	20	
CNHM05 - 610□ - (B) - Ratio	0.4	4	352	207	130	124	19		384	207	130	124	21	
CNHM08 - 610□ - (B) - Ratio	0.55	4	393	213	140	148	23		436	213	140	148	26	
CNHM1 - 610□ - (B) - Ratio	0.75	4	393	213	140	148	23		436	213	140	148	26	
CNHM1H - 610□ - (B) - Ratio	1.1	4	426	220	145	160	27		488	220	145	160	32	
CNHM2 - 610□ - (B) - Ratio	1.5	4	426	220	145	160	27		488	220	145	160	32	
CNHM3 - 610□ - (B) - Ratio	2.2	4	446	226	152	173	31		509	226	152	173	37	
CNHM05 - 611□ - (B) - Ratio	0.4	4	363	236	130	124	20		394	236	130	124	21	
CNHM08 - 611□ - (B) - Ratio	0.55	4	403	236	140	148	23		452	236	140	148	26	
CNHM1 - 611□ - (B) - Ratio	0.75	4	403	236	140	148	23		452	236	140	148	26	
CNHM1H - 611□ - (B) - Ratio	1.1	4	436	240	145	160	26		493	240	145	160	31	
CNHM2 - 611□ - (B) - Ratio	1.5	4	436	240	145	160	26		493	240	145	160	31	
CNHM3 - 611□ - (B) - Ratio	2.2	4	456	246	152	173	30		519	246	152	173	36	
CNHM4 - 611□ - (B) - Ratio	3.0	4	491	266	168	212	40		563	266	168	212	50	
CNHM5 - 611□ - (B) - Ratio	3.7	4	491	266	168	212	40		563	266	168	212	50	
CNHM05 - 612□ - (B) - Ratio	0.4	4	387	257	130	124	30		419	257	130	124	32	
CNHM08 - 612□ - (B) - Ratio	0.55	4	423	233	140	148	32		466	233	140	148	35	
CNHM1 - 612□ - (B) - Ratio	0.75	4	423	233	140	148	32		466	233	140	148	35	
CNHM1H - 612□ - (B) - Ratio	1.1	4	456	240	145	160	36		518	240	145	160	41	
CNHM2 - 612□ - (B) - Ratio	1.5	4	456	240	145	160	36		518	240	145	160	41	
CNHM3 - 612□ - (B) - Ratio	2.2	4	476	246	152	173	40		539	246	152	173	47	
CNHM4 - 612□ - (B) - Ratio	3.0	4	499	266	168	212	50		571	266	168	212	60	
CNHM5 - 612□ - (B) - Ratio	3.7	4	499	266	168	212	50		571	266	168	212	60	
CNHM8 - 612□ - (B) - Ratio	5.5	4	543	266	168	212	57		615	266	168	212	67	

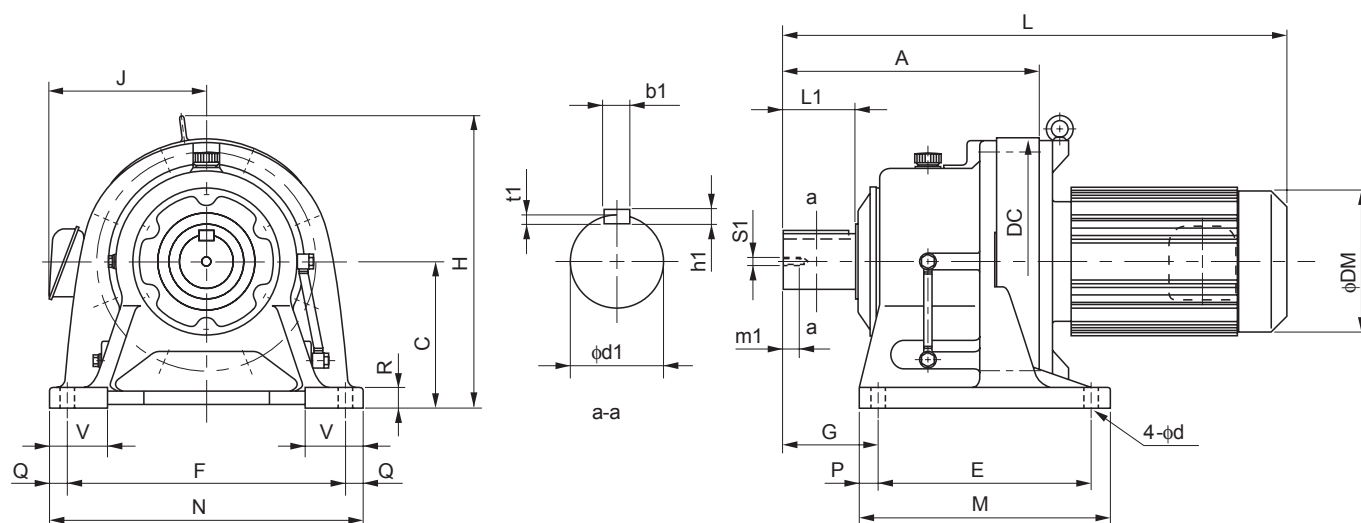
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

5. "B" after the frame size indicates models equipped with brake.

6. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 613□ to 614□

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
613□	240	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
614□	260	150	230	145	290	120	195	330	25	20	22	65	18	50	90	14	9	5.5	M10	18

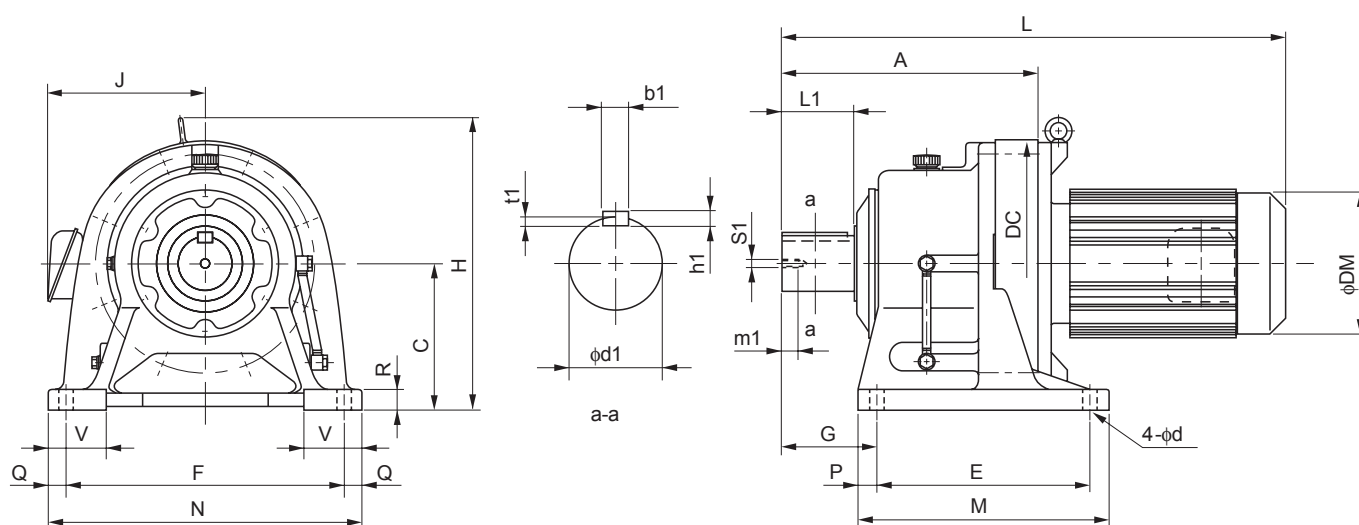
Model Note 4, 5	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM08 - 613□ - (B) - Ratio	0.55	4	477	265	140	148	51		520	265	140	148	54
CHHM1 - 613□ - (B) - Ratio	0.75	4	477	265	140	148	51		520	265	140	148	54
CHHM1H - 613□ - (B) - Ratio	1.1	4	510	268	145	160	55		572	268	145	160	60
CHHM2 - 613□ - (B) - Ratio	1.5	4	510	268	145	160	55		572	268	145	160	60
CHHM3 - 613□ - (B) - Ratio	2.2	4	530	274	152	173	58		593	274	152	173	65
CHHM4 - 613□ - (B) - Ratio	3.0	4	553	296	168	212	68		625	296	168	212	78
CHHM5 - 613□ - (B) - Ratio	3.7	4	553	296	168	212	68		625	296	168	212	78
CHHM8 - 613□ - (B) - Ratio	5.5	4	597	296	168	212	75		669	296	168	212	85
CHHM10 - 613□ - (B) - Ratio	7.5	4	620	323	213	251	90		715	323	213	251	108
CHHM15 - 613□ - (B) - Ratio	11	4	680	323	213	251	104		775	323	213	251	121
CHHM1 - 614□ - (B) - Ratio	0.75	4	497	268	140	148	52		540	268	140	148	55
CHHM1H - 614□ - (B) - Ratio	1.1	4	530	268	145	160	56		592	268	145	160	61
CHHM2 - 614□ - (B) - Ratio	1.5	4	530	268	145	160	56		592	268	145	160	61
CHHM3 - 614□ - (B) - Ratio	2.2	4	550	274	152	173	59		613	274	152	173	66
CHHM4 - 614□ - (B) - Ratio	3.0	4	573	296	168	212	69		645	296	168	212	79
CHHM5 - 614□ - (B) - Ratio	3.7	4	573	296	168	212	69		645	296	168	212	79
CHHM8 - 614□ - (B) - Ratio	5.5	4	617	296	168	212	76		689	296	168	212	86
CHHM10 - 614□ - (B) - Ratio	7.5	4	640	323	213	251	91		735	323	213	251	109
CHHM15 - 614□ - (B) - Ratio	11	4	700	323	213	251	104		795	323	213	251	122
CHHM20 - 614□ - (B) - Ratio	15	4	790	358	261	324	156		880	321	261	324	190

Note: 1. □ indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 616□ to 617□

GEARMOTORS

Dimension Tables
CHHM

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
616□	308	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
617□	352	200	340	275	380	125	335	430	30	25	30	80	22	70	90	20	12	7.5	M12	24

Model Note 4, 5	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CHHM1H - 616□ - (B) - Ratio	1.1	4	583	310	145	160	93		645	310	145	160	99	
CHHM2 - 616□ - (B) - Ratio	1.5	4	583	310	145	160	93		645	310	145	160	99	
CHHM3 - 616□ - (B) - Ratio	2.2	4	598	310	152	173	96		661	310	152	173	103	
CHHM4 - 616□ - (B) - Ratio	3.0	4	621	310	168	212	105		693	310	168	212	116	
CHHM5 - 616□ - (B) - Ratio	3.7	4	621	310	168	212	105		693	310	168	212	116	
CHHM8 - 616□ - (B) - Ratio	5.5	4	665	310	168	212	112		737	310	168	212	123	
CHHM10 - 616□ - (B) - Ratio	7.5	4	693	333	213	251	128		788	333	213	251	146	
CHHM15 - 616□ - (B) - Ratio	11	4	753	333	213	251	142		848	333	213	251	160	
*CHHM20 - 616□ - (B) - Ratio	15	4	838	368	261	324	195		928	368	261	324	230	
*CHHM25 - 616□ - (B) - Ratio	18.5	4	933	368	328	394	267		1098	368	328	394	323	
*CHHM30 - 616□ - (B) - Ratio	22	4	933	368	328	394	267		1098	368	328	394	323	
CHHM4 - 617□ - (B) - Ratio	3.0	4	680	403	168	212	146		752	403	168	212	157	
CHHM5 - 617□ - (B) - Ratio	3.7	4	680	403	168	212	146		752	403	168	212	157	
CHHM8 - 617□ - (B) - Ratio	5.5	4	724	403	168	212	153		796	403	168	212	164	
CHHM10 - 617□ - (B) - Ratio	7.5	4	742	403	213	251	168		837	403	213	251	187	
CHHM15 - 617□ - (B) - Ratio	11	4	802	403	213	251	182		897	403	213	251	201	
CHHM20 - 617□ - (B) - Ratio	15	4	882	413	259	324	236		987	413	259	324	271	
CHHM25 - 617□ - (B) - Ratio	18.5	4	977	428	328	394	304		1142	428	328	394	360	
CHHM30 - 617□ - (B) - Ratio	22	4	977	428	328	394	304		1142	428	328	394	360	
CHHM40 - 617□ - (B) - Ratio	30	4	977	428	328	394	321		1142	428	328	394	369	

*** indicates models with bottom level of the motor lower than the reducer base.

Refer to pages B-152 and B-153 for center height options.

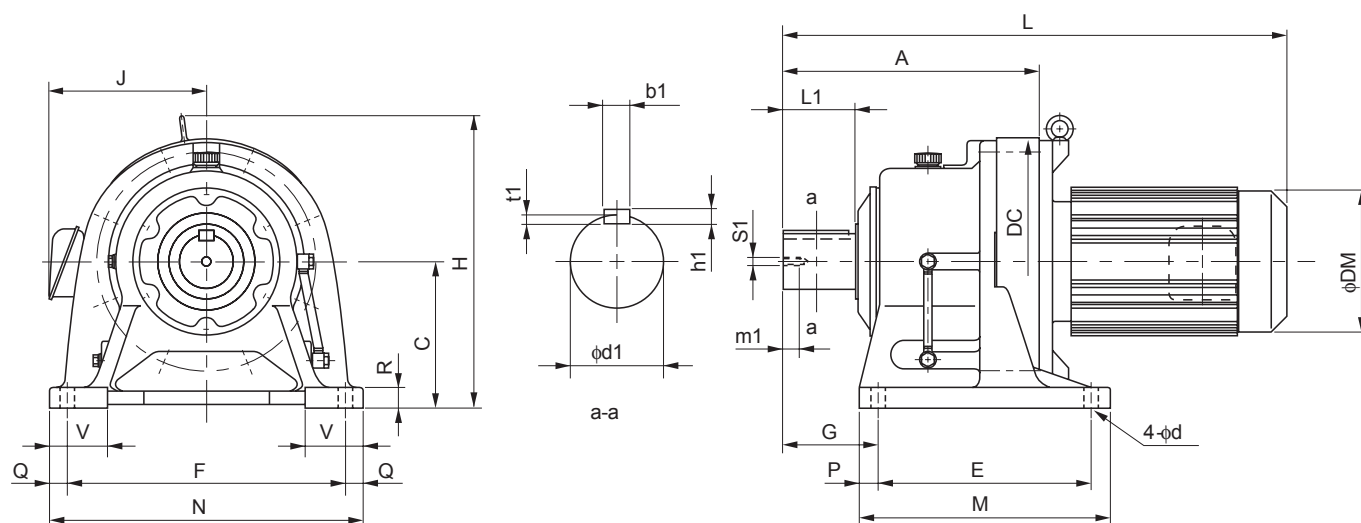
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

5. "B" after the frame size indicates models equipped with brake.

6. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 618□ to 619□

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
618□	389	220	370	320	420	145	380	470	30	25	30	85	22	80	110	22	14	9	M12	24
619□	465	250	430	380	480	170	440	530	30	25	35	90	26	95	135	25	14	9	M20	34

Model Note 4, 5	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM4 - 618□ - (B) - Ratio	3.0	4	717	438	168	212	184		789	438	168	212	194
CHHM5 - 618□ - (B) - Ratio	3.7	4	717	438	168	212	184		789	438	168	212	194
CHHM8 - 618□ - (B) - Ratio	5.5	4	761	438	168	212	192		833	438	168	212	202
CHHM10 - 618□ - (B) - Ratio	7.5	4	779	438	213	251	207		874	438	213	251	225
CHHM15 - 618□ - (B) - Ratio	11	4	839	438	213	251	221		934	438	213	251	239
CHHM20 - 618□ - (B) - Ratio	15	4	919	438	261	324	281		1024	438	261	324	310
CHHM25 - 618□ - (B) - Ratio	18.5	4	1014	448	328	394	347		1179	448	328	394	398
CHHM30 - 618□ - (B) - Ratio	22	4	1014	448	328	394	347		1179	448	328	394	398
CHHM40 - 618□ - (B) - Ratio	30	4	1014	448	328	394	364		1179	448	328	394	407
CHHM50 - 618□ - (B) - Ratio	37	4	1129	481	328	394	412		1344	481	328	394	509
CHHM60 - 618□ - (B) - Ratio	45	4	1129	481	328	394	412		1344	481	328	394	509
CHHM8 - 619□ - (B) - Ratio	5.5	4	857	511	168	212	266		929	511	168	212	276
CHHM10 - 619□ - (B) - Ratio	7.5	4	870	511	213	251	279		965	511	213	251	297
CHHM15 - 619□ - (B) - Ratio	11	4	930	511	213	251	293		1025	511	213	251	311
CHHM20 - 619□ - (B) - Ratio	15	4	995	467	261	324	346		1100	467	261	324	381
CHHM25 - 619□ - (B) - Ratio	18.5	4	1090	511	328	394	422		1255	511	328	394	467
CHHM256 - 619□ - (B) - Ratio	18.5	6	1090	511	328	394	437		1255	511	328	394	480
CHHM30 - 619□ - (B) - Ratio	22	4	1090	511	328	394	422		1255	511	328	394	467
CHHM40 - 619□ - (B) - Ratio	30	4	1090	511	328	394	437		1255	511	328	394	480
CHHM406 - 619□ - (B) - Ratio	30	6	1205	511	328	394	475		1420	511	328	394	572
CHHM50 - 619□ - (B) - Ratio	37	4	1205	511	328	394	475		1420	511	328	394	572
CHHM506 - 619□ - (B) - Ratio	37	6	1205	511	328	394	475		1420	511	328	394	572
CHHM60 - 619□ - (B) - Ratio	45	4	1205	511	328	394	475		1420	511	328	394	572

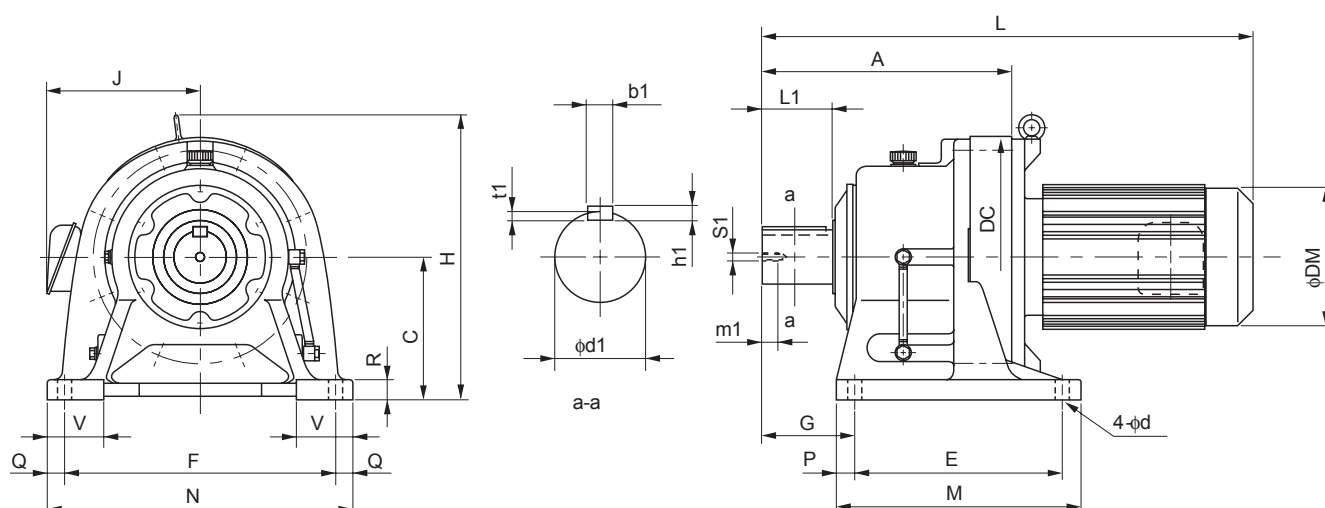
Note: 1. □ indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 6205 to 6215



GEARMOTORS

Dimension Tables
CHHM

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft ^{Note 2, 3, 6}						
														d1	L1	b1	h1	t1	S1	m1
6205	502	250	448	360	440	215	440	530	40	45	35	100	26	100	165	28	16	10	M20	34
6215	526	265	485	395	480	210	475	580	40	50	40	110	26	110	165	28	16	10	M20	34

Model ^{Note 5}	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM15 - 6205	- (B) - Ratio	11 4	972	530	213	251	313		1067	530	213	251	332
CHHM20 - 6205	- (B) - Ratio	15 4	1042	530	261	324	367		1147	530	261	324	404
CHHM206 - 6205	- (B) - Ratio	15 6	1127	530	328	394	438		1292	530	328	394	484
CHHM25 - 6205	- (B) - Ratio	18.5 4	1127	530	328	394	438		1292	530	328	394	488
CHHM30 - 6205	- (B) - Ratio	22 4	1127	530	328	394	438		1292	530	328	394	488
CHHM306 - 6205	- (B) - Ratio	22 6	1127	530	328	394	451		1292	530	328	394	501
CHHM40 - 6205	- (B) - Ratio	30 4	1127	530	328	394	451		1292	530	328	394	501
CHHM406 - 6205	- (B) - Ratio	30 6	1242	530	328	394	489		1457	530	328	394	588
CHHM50 - 6205	- (B) - Ratio	37 4	1242	530	328	394	489		1457	530	328	394	588
CHHM506 - 6205	- (B) - Ratio	37 6	1242	530	328	394	489		1457	530	328	394	588
CHHM60 - 6205	- (B) - Ratio	45 4	1242	530	328	394	489		1457	530	328	394	588
CHHM606 - 6205	- (B) - Ratio	45 6	1297	575	378	484	582		-	-	-	-	-
CHHM75 - 6205	- (B) - Ratio	55 4	1297	575	378	484	582		-	-	-	-	-
CHHM15 - 6215	- (B) - Ratio	11 4	996	575	213	251	395		1091	575	213	251	414
CHHM20 - 6215	- (B) - Ratio	15 4	1066	575	261	324	450		1171	575	261	324	486
CHHM206 - 6215	- (B) - Ratio	15 6	1151	575	328	394	515		1316	575	328	394	565
CHHM25 - 6215	- (B) - Ratio	18.5 4	1151	575	328	394	515		1316	575	328	394	565
CHHM256 - 6215	- (B) - Ratio	18.5 6	1151	575	328	394	528		1316	575	328	394	578
CHHM30 - 6215	- (B) - Ratio	22 4	1151	575	328	394	515		1316	575	328	394	565
CHHM306 - 6215	- (B) - Ratio	22 6	1151	575	328	394	528		1316	575	328	394	578
CHHM40 - 6215	- (B) - Ratio	30 4	1151	575	328	394	528		1316	575	328	394	578
CHHM406 - 6215	- (B) - Ratio	30 6	1266	575	328	394	566		1481	575	328	394	666
CHHM50 - 6215	- (B) - Ratio	37 4	1266	575	328	394	566		1481	575	328	394	666
CHHM506 - 6215	- (B) - Ratio	37 6	1266	575	328	394	566		1481	575	328	394	666
CHHM60 - 6215	- (B) - Ratio	45 4	1266	575	328	394	566		1481	575	328	394	666
CHHM606 - 6215	- (B) - Ratio	45 6	1321	575	378	484	676		-	-	-	-	-
CHHM75 - 6215	- (B) - Ratio	55 4	1321	575	378	484	676		-	-	-	-	-

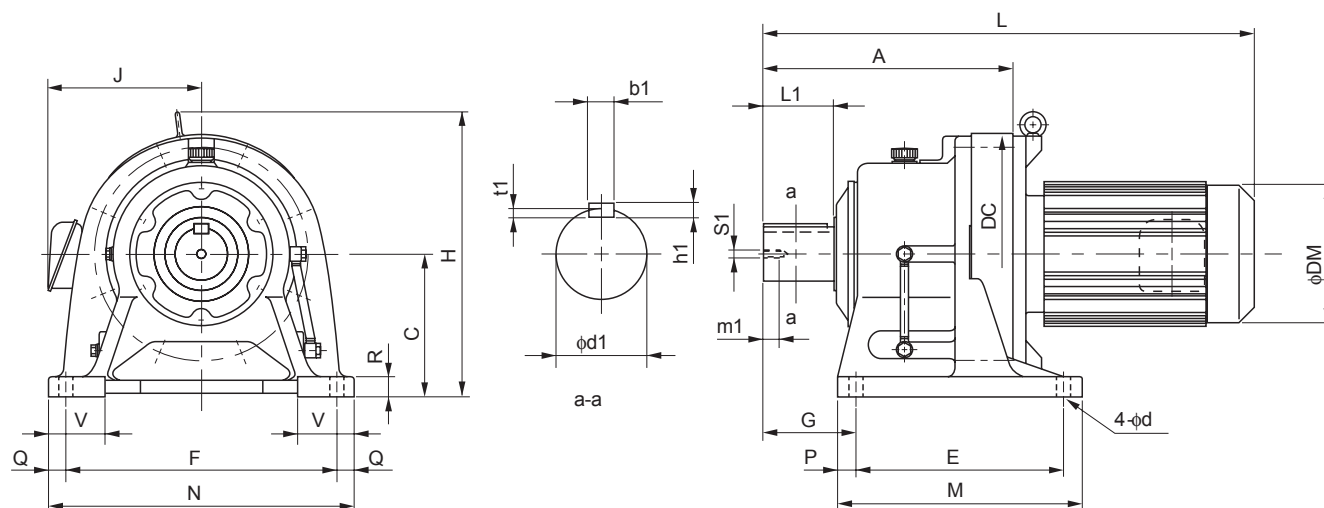
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

5. "B" after the frame size indicates models equipped with brake.

6. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 6225 to 6235

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 5						
														d1	L1	b1	h1	t1	S1	m1
6225	566	280	526	420	540	230	520	620	50	40	40	115	33	120	165	32	18	11	M20	34
6235	628	300	562	460	580	260	560	670	50	45	45	120	33	130	200	32	18	11	M24	41

Model	Note 4	Motor		Standard					With Brake				
		kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CHHM206 - 6225	- (B) - Ratio	15	6	1191	610	328	394	600	1356	610	328	394	650
CHHM25 - 6225	- (B) - Ratio	18.5	4	1191	610	328	394	600	1356	610	328	394	650
CHHM256 - 6225	- (B) - Ratio	18.5	6	1191	610	328	394	613	1356	610	328	394	663
CHHM30 - 6225	- (B) - Ratio	22	4	1191	610	328	394	600	1356	610	328	394	650
CHHM306 - 6225	- (B) - Ratio	22	6	1191	610	328	394	613	1356	610	328	394	663
CHHM40 - 6225	- (B) - Ratio	30	4	1191	610	328	394	613	1356	610	328	394	663
CHHM406 - 6225	- (B) - Ratio	30	6	1306	610	328	394	651	1521	610	328	394	751
CHHM50 - 6225	- (B) - Ratio	37	4	1306	610	328	394	651	1521	610	328	394	751
CHHM506 - 6225	- (B) - Ratio	37	6	1306	610	328	394	651	1521	610	328	394	751
CHHM60 - 6225	- (B) - Ratio	45	4	1306	610	328	394	651	1521	610	328	394	751
CHHM606 - 6225	- (B) - Ratio	45	6	1361	610	378	484	750	-	-	-	-	-
CHHM75 - 6225	- (B) - Ratio	55	4	1361	610	378	484	750	-	-	-	-	-
CHHM206 - 6235	- (B) - Ratio	15	6	1253	667	328	394	698	1448	667	328	394	734
CHHM256 - 6235	- (B) - Ratio	18.5	6	1253	667	328	394	698	1448	667	328	394	748
CHHM306 - 6235	- (B) - Ratio	22	6	1253	667	328	394	698	1448	667	328	394	748
CHHM406 - 6235	- (B) - Ratio	30	6	1368	667	328	394	744	1583	667	328	394	837
CHHM506 - 6235	- (B) - Ratio	37	6	1368	667	328	394	744	1583	667	328	394	837
CHHM606 - 6235	- (B) - Ratio	45	6	1423	667	378	484	833	-	-	-	-	-
CHHM756 - 6235	- (B) - Ratio	55	6	1503	667	378	485	887	-	-	-	-	-

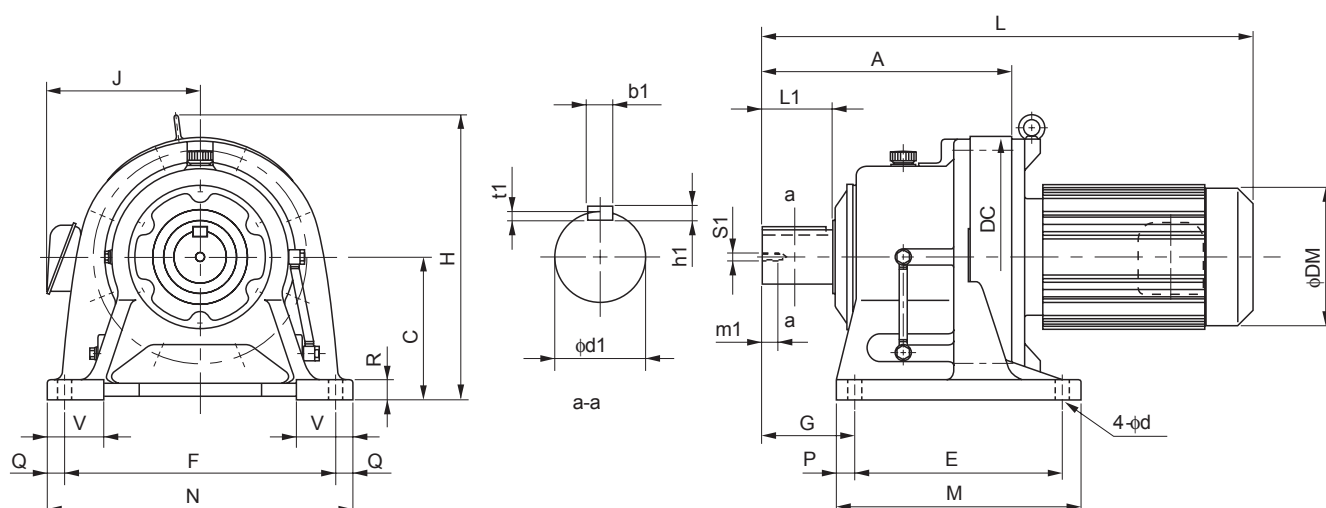
Note: 1. ^{Note 1} indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 6245 to 6265



GEARMOTORS

Dimension Tables
CHHM

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft ^{Note 2, 3, 5}						
														d1	L1	b1	h1	t1	S1	m1
6245	657	335	614	480	630	263	580	720	50	45	45	128	39	140	200	36	20	12	M24	41
6255	775	375	670	520	670	320	630	780	55	55	50	140	39	160	240	40	22	13	M30	49
6265	892	400	736	590	770	390	700	880	55	55	55	160	45	170	300	40	22	13	M30	49

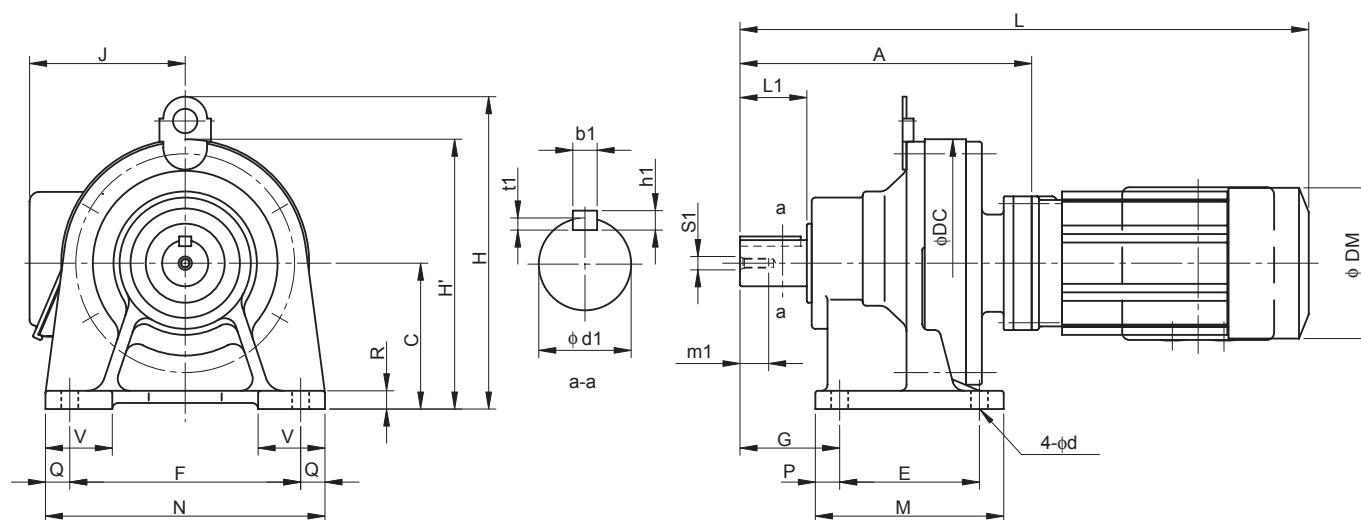
Model ^{Note 4}	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CHHM206 - 6245 - (B) - Ratio	15	6	1282	729	328	394	824		1447	729	328	394	857	
CHHM256 - 6245 - (B) - Ratio	18.5	6	1282	729	328	394	824		1447	729	328	394	871	
CHHM306 - 6245 - (B) - Ratio	22	6	1282	729	328	394	824		1447	729	328	394	871	
CHHM406 - 6245 - (B) - Ratio	30	6	1397	729	328	394	870		1612	729	328	394	958	
CHHM506 - 6245 - (B) - Ratio	37	6	1397	729	328	394	870		1612	729	328	394	958	
CHHM606 - 6245 - (B) - Ratio	45	6	1452	729	378	484	961		-	-	-	-	-	
CHHM756 - 6245 - (B) - Ratio	55	6	1532	729	378	485	1010		-	-	-	-	-	
CHHM206 - 6255 - (B) - Ratio	15	6	1400	815	328	394	1155		1565	815	328	394	1188	
CHHM256 - 6255 - (B) - Ratio	18.5	6	1400	815	328	394	1155		1610	815	328	394	1202	
CHHM306 - 6255 - (B) - Ratio	22	6	1400	815	328	394	1155		1610	815	328	394	1202	
CHHM406 - 6255 - (B) - Ratio	30	6	1515	815	328	394	1200		1730	815	328	394	1288	
CHHM506 - 6255 - (B) - Ratio	37	6	1515	815	328	394	1200		1730	815	328	394	1288	
CHHM606 - 6255 - (B) - Ratio	45	6	1570	815	378	484	1280		-	-	-	-	-	
CHHM756 - 6255 - (B) - Ratio	55	6	1650	815	378	485	1335		-	-	-	-	-	
CHHM306 - 6265 - (B) - Ratio	22	6	1517	874	328	394	1400		1727	874	328	394	1447	
CHHM406 - 6265 - (B) - Ratio	30	6	1632	874	328	394	1445		1847	874	328	394	1533	
CHHM506 - 6265 - (B) - Ratio	37	6	1632	874	328	394	1445		1847	874	328	394	1533	
CHHM606 - 6265 - (B) - Ratio	45	6	1687	874	378	484	1540		-	-	-	-	-	

Note: 4. "B" after the frame size indicates models equipped with brake.

5. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

6. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 606□DA to 612□DB

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
606□DA	125	80	110	60	120	41	84	144	12	12	10	35	9	14	25	5	5	3	M5	16
607□DA	131	80	110	60	120	47	84	144	12	12	10	35	9	18	30	6	6	3.5	M6	16
609□DA	190	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20
610□DA	204	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20
612□DA	240	120	204	115	190	82	155	230	20	20	15	55	14	38	55	10	8	5	M8	20
612□DB	252	120	204	115	190	82	155	230	20	20	15	55	14	38	55	10	8	5	M8	20

Model Note 4, 5	Motor		Standard							With Brake						
	kW	P	L	H	H'	J	DM	W(kg)		L	H	H'	J	DM	W(kg)	
CNHM01 - 606□DA - (B) - Ratio	0.1	4	287	-	140	130	119	9		294	-	138	130	124	10	
CNHM01 - 607□DA - (B) - Ratio	0.1	4	293	-	140	130	119	9		300	-	138	130	124	10	
CNHM02 - 607□DA - (B) - Ratio	0.2	4	311	-	140	130	124	10		339	-	138	130	124	11	
CNHM01 - 609□DA - (B) - Ratio	0.1	4	352	207	-	130	119	17		359	207	-	130	124	18	
CNHM02 - 609□DA - (B) - Ratio	0.2	4	370	207	-	130	124	18		398	207	-	130	124	19	
CNHM03 - 609□DA - (B) - Ratio	0.25	4	370	207	-	130	124	18		398	207	-	130	124	19	
CNHM05 - 609□DA - (B) - Ratio	0.4	4	386	207	-	130	124	19		418	207	-	130	124	20	
CNHM01 - 610□DA - (B) - Ratio	0.1	4	366	207	-	130	119	19		373	207	-	130	124	20	
CNHM02 - 610□DA - (B) - Ratio	0.2	4	384	207	-	130	124	20		412	207	-	130	124	21	
CNHM03 - 610□DA - (B) - Ratio	0.25	4	384	207	-	130	124	20		412	207	-	130	124	21	
CNHM05 - 610□DA - (B) - Ratio	0.4	4	400	207	-	130	124	21		432	207	-	130	124	22	
CNHM01 - 612□DA - (B) - Ratio	0.1	4	402	257	-	130	119	30		409	257	-	130	124	31	
CNHM02 - 612□DA - (B) - Ratio	0.2	4	420	257	-	130	124	31		448	257	-	130	124	32	
CNHM03 - 612□DA - (B) - Ratio	0.25	4	420	257	-	130	124	31		448	257	-	130	124	32	
CNHM05 - 612□DA - (B) - Ratio	0.4	4	436	257	-	130	124	32		468	257	-	130	124	33	
CNHM01 - 612□DB - (B) - Ratio	0.1	4	414	257	-	130	119	33		421	257	-	130	124	35	
CNHM02 - 612□DB - (B) - Ratio	0.2	4	432	257	-	130	124	34		473	257	-	130	124	36	
CNHM03 - 612□DB - (B) - Ratio	0.25	4	432	257	-	130	124	34		473	257	-	130	124	36	
CNHM05 - 612□DB - (B) - Ratio	0.4	4	448	257	-	130	124	35		473	257	-	130	124	37	
CNHM08 - 612□DB - (B) - Ratio	0.55	4	489	257	-	140	148	39		532	257	-	140	148	42	
CNHM1 - 612□DB - (B) - Ratio	0.75	4	489	257	-	140	148	39		532	257	-	140	148	42	
CNHM1H - 612□DB - (B) - Ratio	1.1	4	516	257	-	145	160	42		578	257	-	145	160	47	
CNHM2 - 612□DB - (B) - Ratio	1.5	4	516	257	-	145	160	42		578	257	-	145	160	47	

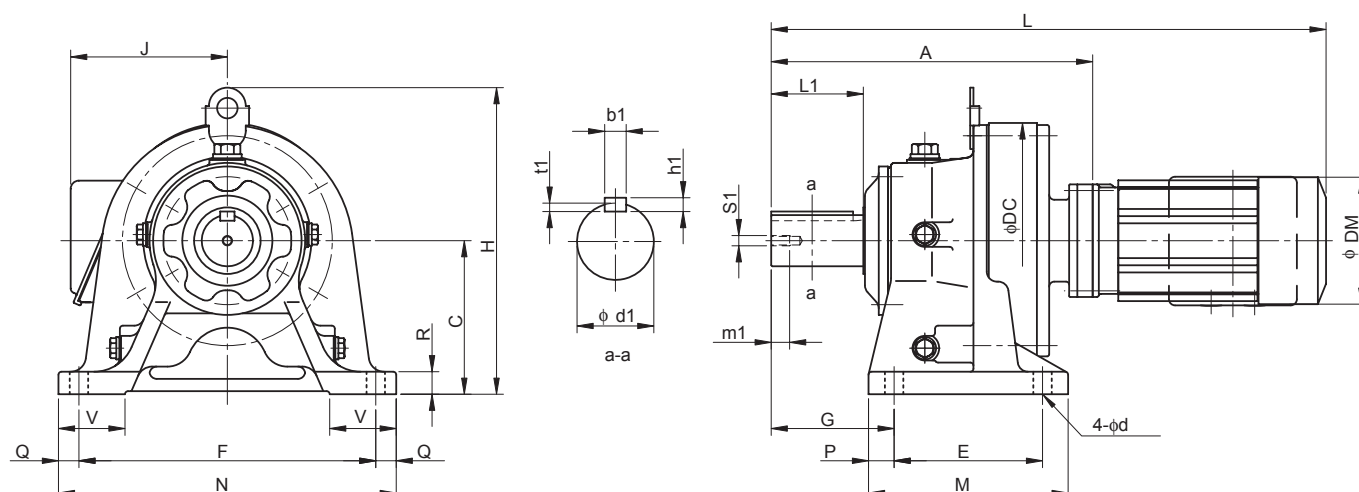
Note: 1. □ indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 613□DA to 614□DC



GEARMOTORS

Dimension Tables
CHHM

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
613□DA	294	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
613□DB	303	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
613□DC	317	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
614□DA	314	150	230	145	290	120	195	330	25	20	22	65	18	50	90	14	9	5.5	M10	18
614□DB	323	150	230	145	290	120	195	330	25	20	22	65	18	50	90	14	9	5.5	M10	18
614□DC	337	150	230	145	290	120	195	330	25	20	22	65	18	50	90	14	9	5.5	M10	18

Model Note 4, 5	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM02 - 613□DA - (B) - Ratio	0.2	4	474	300	130	124	47		502	300	130	124	47
CHHM03 - 613□DA - (B) - Ratio	0.25	4	474	300	130	124	48		522	300	130	124	49
CHHM05 - 613□DA - (B) - Ratio	0.4	4	490	300	130	124	48		522	300	130	124	49
CHHM02 - 613□DB - (B) - Ratio	0.2	4	483	300	130	124	49		511	300	130	124	51
CHHM03 - 613□DB - (B) - Ratio	0.25	4	483	300	130	124	49		511	300	130	124	51
CHHM05 - 613□DB - (B) - Ratio	0.4	4	499	300	130	124	50		531	300	130	124	52
CHHM08 - 613□DB - (B) - Ratio	0.55	4	540	263	140	148	54		583	263	140	148	57
CHHM1 - 613□DB - (B) - Ratio	0.75	4	540	263	140	148	54		583	263	140	148	57
CHHM1H - 613□DB - (B) - Ratio	1.1	4	573	270	145	160	57		635	270	145	160	62
CHHM2 - 613□DB - (B) - Ratio	1.5	4	573	270	145	160	57		635	270	145	160	62
CHHM08 - 613□DC - (B) - Ratio	0.55	4	554	265	140	148	56		597	265	140	148	59
CHHM1 - 613□DC - (B) - Ratio	0.75	4	554	265	140	148	56		597	265	140	148	59
CHHM2 - 613□DC - (B) - Ratio	1.5	4	587	272	145	160	59		649	272	145	160	64
CHHM3 - 613□DC - (B) - Ratio	2.2	4	607	276	152	173	64		670	276	152	173	70
CHHM02 - 614□DA - (B) - Ratio	0.2	4	494	300	130	124	47		522	300	130	124	48
CHHM03 - 614□DA - (B) - Ratio	0.25	4	494	300	130	124	47		522	300	130	124	48
CHHM05 - 614□DA - (B) - Ratio	0.4	4	510	300	130	124	48		542	300	130	124	49
CHHM02 - 614□DB - (B) - Ratio	0.2	4	503	300	130	124	49		531	300	130	124	51
CHHM03 - 614□DB - (B) - Ratio	0.25	4	503	300	130	124	49		531	300	130	124	51
CHHM05 - 614□DB - (B) - Ratio	0.4	4	519	300	130	124	50		551	300	130	124	52
CHHM08 - 614□DB - (B) - Ratio	0.55	4	560	263	140	148	54		603	263	140	148	57
CHHM1 - 614□DB - (B) - Ratio	0.75	4	560	263	140	148	54		603	263	140	148	57
CHHM1H - 614□DB - (B) - Ratio	1.1	4	593	270	145	160	57		655	270	145	160	62
CHHM2 - 614□DB - (B) - Ratio	1.5	4	593	270	145	160	57		655	270	145	160	62
CHHM08 - 614□DC - (B) - Ratio	0.55	4	574	265	140	148	56		617	265	140	148	59
CHHM1 - 614□DC - (B) - Ratio	0.75	4	574	265	140	148	56		617	265	140	148	59
CHHM1H - 614□DC - (B) - Ratio	1.1	4	607	270	145	160	60		669	270	145	160	65
CHHM2 - 614□DC - (B) - Ratio	1.5	4	607	270	145	160	60		669	270	145	160	65
CHHM3 - 614□DC - (B) - Ratio	2.2	4	627	276	152	173	64		690	276	152	173	70

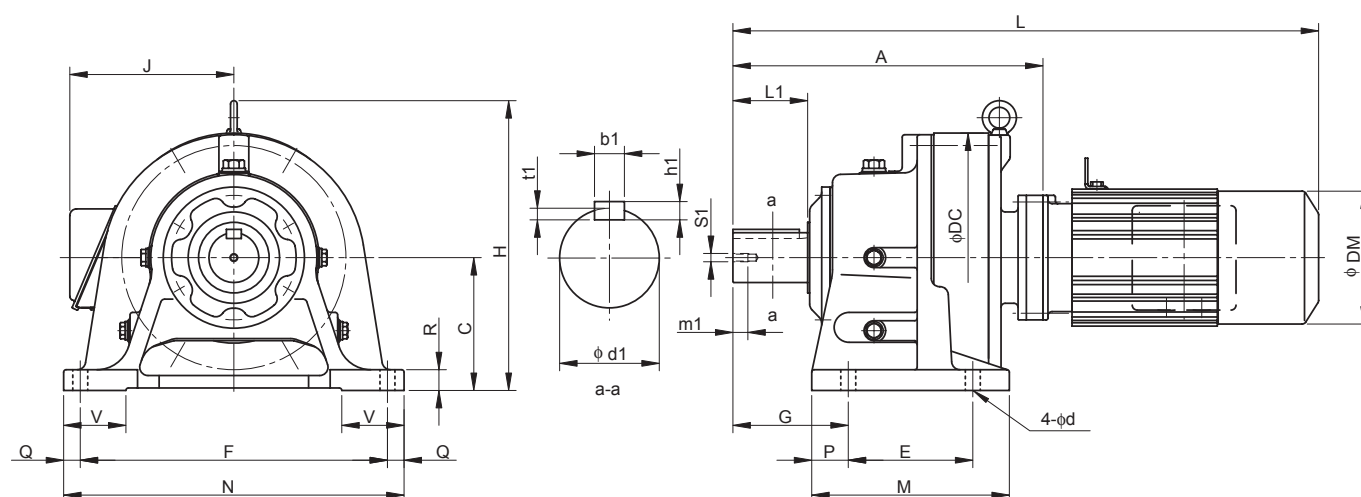
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

5. "B" after the frame size indicates models equipped with brake.

6. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 616□DA to 618□DA

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
616□DA	373	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
616□DB	387	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
617□DA	418	200	340	275	380	125	335	430	30	25	30	80	22	70	90	20	12	7.5	M12	24
617□DB	432	200	340	275	380	125	335	430	30	25	30	80	22	70	90	20	12	7.5	M12	24
618□DA	474	220	370	320	420	145	380	470	30	25	30	85	22	80	110	22	14	9	M12	24

Model Note 4, 5	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM02 - 616□DA - (B) - Ratio	0.2	4	553	349	130	124	90		581	349	130	124	92
CHHM03 - 616□DA - (B) - Ratio	0.25	4	553	349	130	124	90		581	349	130	124	92
CHHM05 - 616□DA - (B) - Ratio	0.4	4	569	349	130	124	91		601	349	130	124	93
CHHM08 - 616□DA - (B) - Ratio	0.55	4	610	349	140	148	95		653	349	140	148	98
CHHM1 - 616□DA - (B) - Ratio	0.75	4	610	349	140	148	95		653	349	140	148	98
CHHM1H - 616□DA - (B) - Ratio	1.1	4	643	349	145	160	99		705	349	145	160	104
CHHM2 - 616□DA - (B) - Ratio	1.5	4	643	349	145	160	99		705	349	145	160	104
CHHM08 - 616□DB - (B) - Ratio	0.55	4	624	349	140	148	97		667	349	140	148	100
CHHM1 - 616□DB - (B) - Ratio	0.75	4	624	349	140	148	97		667	349	140	148	100
CHHM1H - 616□DB - (B) - Ratio	1.1	4	657	349	145	160	101		719	349	145	160	106
CHHM2 - 616□DB - (B) - Ratio	1.5	4	657	349	145	160	101		719	349	145	160	106
CHHM3 - 616□DB - (B) - Ratio	2.2	4	677	349	152	173	105		740	349	152	173	111
CHHM02 - 617□DA - (B) - Ratio	0.2	4	598	416	130	124	120		626	416	130	124	127
CHHM03 - 617□DA - (B) - Ratio	0.25	4	598	416	130	124	120		626	416	130	124	127
CHHM05 - 617□DA - (B) - Ratio	0.4	4	614	416	130	124	126		646	416	130	124	128
CHHM08 - 617□DA - (B) - Ratio	0.55	4	655	416	140	148	130		698	416	140	148	133
CHHM1 - 617□DA - (B) - Ratio	0.75	4	655	416	140	148	130		698	416	140	148	133
CHHM1H - 617□DA - (B) - Ratio	1.1	4	688	416	145	160	133		750	416	145	160	138
CHHM2 - 617□DA - (B) - Ratio	1.5	4	688	416	145	160	133		750	416	145	160	138
CHHM08 - 617□DB - (B) - Ratio	0.55	4	669	416	140	148	127		712	416	140	148	134
CHHM1 - 617□DB - (B) - Ratio	0.75	4	669	416	140	148	127		712	416	140	148	134
CHHM1H - 617□DB - (B) - Ratio	1.1	4	702	416	145	160	136		764	416	145	160	141
CHHM2 - 617□DB - (B) - Ratio	1.5	4	702	416	145	160	136		764	416	145	160	141
CHHM3 - 617□DB - (B) - Ratio	2.2	4	722	416	152	173	140		785	416	152	173	146
CHHM05 - 618□DA - (B) - Ratio	0.4	4	670	451	130	124	171		702	451	130	124	173
CHHM08 - 618□DA - (B) - Ratio	0.55	4	711	451	140	148	175		754	451	140	148	178
CHHM1 - 618□DA - (B) - Ratio	0.75	4	711	451	140	148	175		754	451	140	148	178
CHHM1H - 618□DA - (B) - Ratio	1.1	4	744	451	145	160	179		806	451	145	160	184
CHHM2 - 618□DA - (B) - Ratio	1.5	4	744	451	145	160	179		806	451	145	160	184
CHHM3 - 618□DA - (B) - Ratio	2.2	4	764	451	152	173	183		827	451	152	173	189

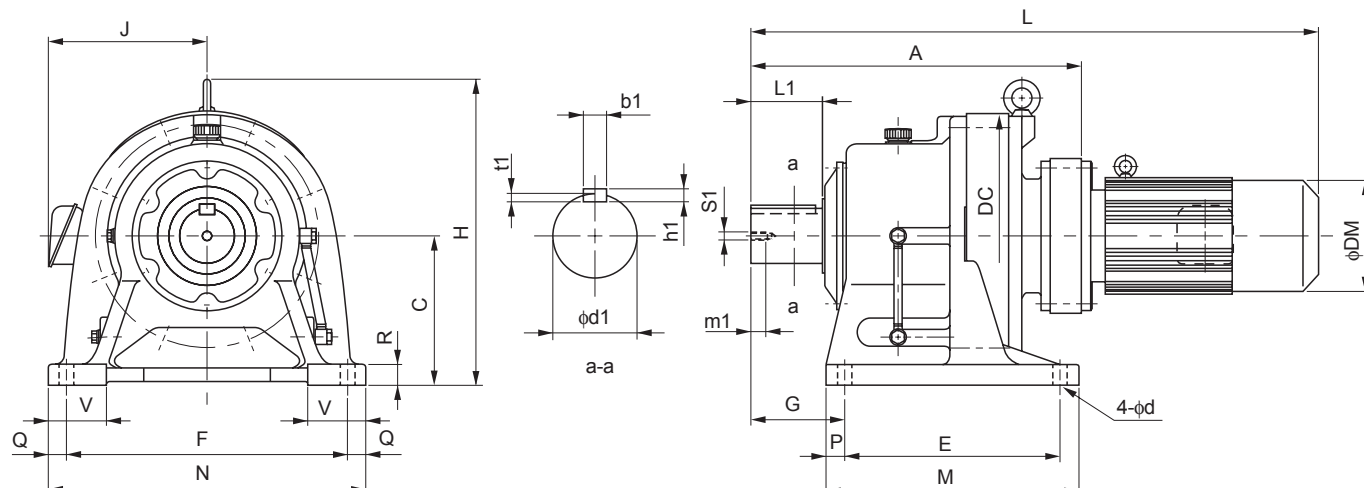
Note: 1. □ indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 616□DC to 619□DA



GEARMOTORS

Dimension Tables
CHHM

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
616□DC	389	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
617□DC	436	200	340	275	380	125	335	430	30	25	30	80	22	70	90	20	12	7.5	M12	24
618□DB	496	220	370	320	420	145	380	470	30	25	30	85	22	80	110	22	14	9	M12	24
619□DA	556	250	430	380	480	170	440	530	30	25	35	90	26	95	135	25	14	9	M20	34

Model Note 4, 5	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM1H - 616□DC - (B) - Ratio	1.1	4	659	349	145	160	107		721	349	145	160	112
CHHM2 - 616□DC - (B) - Ratio	1.5	4	659	349	145	160	107		721	349	145	160	112
CHHM3 - 616□DC - (B) - Ratio	2.2	4	679	349	152	173	111		742	349	152	173	118
CHHM4 - 616□DC - (B) - Ratio	3.0	4	702	349	168	212	121		774	349	168	212	131
CHHM5 - 616□DC - (B) - Ratio	3.7	4	702	349	168	212	121		774	349	168	212	131
CHHM8 - 616□DC - (B) - Ratio	5.5	4	746	349	168	212	128		818	349	168	212	138
CHHM1H - 617□DC - (B) - Ratio	1.1	4	706	416	145	160	141		768	416	145	160	146
CHHM2 - 617□DC - (B) - Ratio	1.5	4	706	416	145	160	141		768	416	145	160	146
CHHM3 - 617□DC - (B) - Ratio	2.2	4	726	416	152	173	145		789	416	152	173	152
CHHM4 - 617□DC - (B) - Ratio	3.0	4	749	416	168	212	155		821	416	168	212	165
CHHM5 - 617□DC - (B) - Ratio	3.7	4	749	416	168	212	155		821	416	168	212	165
CHHM8 - 617□DC - (B) - Ratio	5.5	4	793	416	168	212	162		865	416	168	212	172
CHHM1H - 618□DB - (B) - Ratio	1.1	4	766	451	145	160	194		828	451	145	160	199
CHHM2 - 618□DB - (B) - Ratio	1.5	4	766	451	145	160	194		828	451	145	160	199
CHHM3 - 618□DB - (B) - Ratio	2.2	4	786	451	152	173	197		849	451	152	173	204
CHHM4 - 618□DB - (B) - Ratio	3.0	4	809	451	168	212	207		881	451	168	212	217
CHHM5 - 618□DB - (B) - Ratio	3.7	4	809	451	168	212	207		881	451	168	212	217
CHHM8 - 618□DB - (B) - Ratio	5.5	4	853	451	168	212	214		925	451	168	212	224
CHHM10 - 618□DB - (B) - Ratio	7.5	4	876	451	213	251	229		971	451	213	251	247
CHHM15 - 618□DB - (B) - Ratio	11	4	936	451	213	251	243		1031	451	213	251	261
CHHM1 - 619□DA - (B) - Ratio	0.75	4	793	531	140	148	250		836	531	140	148	253
CHHM1H - 619□DA - (B) - Ratio	1.1	4	826	531	145	160	254		888	531	145	160	259
CHHM2 - 619□DA - (B) - Ratio	1.5	4	826	531	145	160	254		888	531	145	160	259
CHHM3 - 619□DA - (B) - Ratio	2.2	4	846	531	152	173	258		909	531	152	173	265
CHHM4 - 619□DA - (B) - Ratio	3.0	4	869	531	168	212	268		941	531	168	212	278
CHHM5 - 619□DA - (B) - Ratio	3.7	4	869	531	168	212	268		941	531	168	212	278
CHHM8 - 619□DA - (B) - Ratio	5.5	4	913	531	168	212	275		985	531	168	212	285

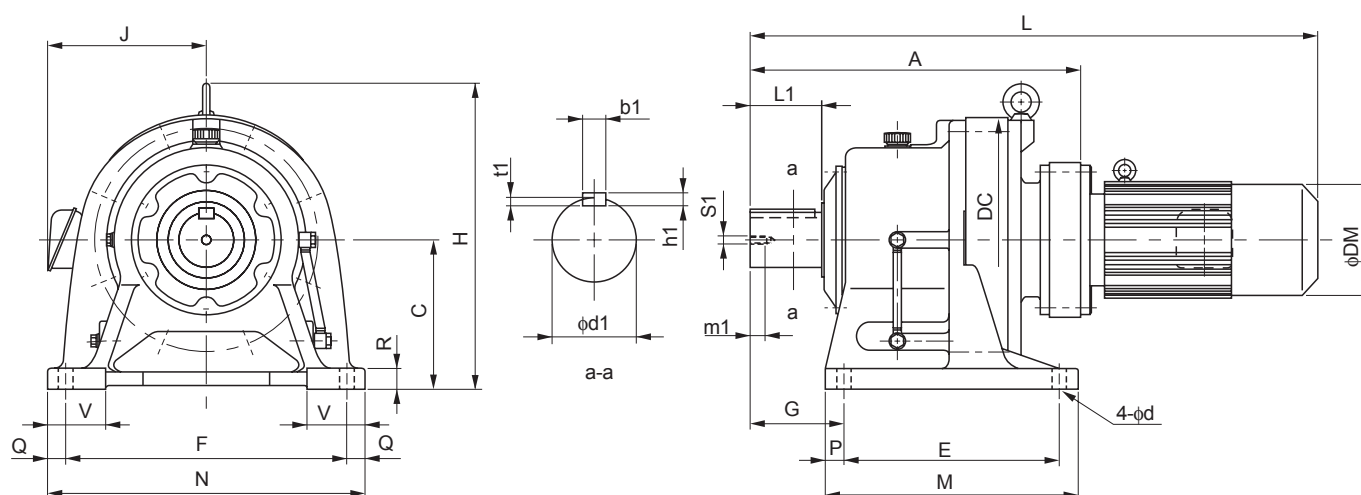
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

5. "B" after the frame size indicates models equipped with brake.

6. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 619□DB to 6215DA

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
619□DB	572	250	430	380	480	170	440	530	30	25	35	90	26	95	135	25	14	9	M20	34
6205DA	597	250	448	360	440	215	440	530	40	45	35	100	26	100	165	28	16	10	M20	34
6205DB	624	250	448	360	440	215	440	530	40	45	35	100	26	100	165	28	16	10	M20	34
6215DA	650	265	485	395	480	210	475	580	40	50	40	110	26	110	165	28	16	10	M20	34

Model Note 4, 5	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CHHM2 - 619□DB - (B) - Ratio	1.5	4	842	531	145	160	261		904	531	145	160	266	
CHHM3 - 619□DB - (B) - Ratio	2.2	4	862	531	152	173	265		925	531	152	173	272	
CHHM4 - 619□DB - (B) - Ratio	3.0	4	885	531	168	212	275		957	531	168	212	285	
CHHM5 - 619□DB - (B) - Ratio	3.7	4	885	531	168	212	275		957	531	168	212	285	
CHHM8 - 619□DB - (B) - Ratio	5.5	4	929	531	168	212	282		1001	531	168	212	292	
CHHM10 - 619□DB - (B) - Ratio	7.5	4	952	531	213	251	297		1047	531	213	251	315	
CHHM15 - 619□DB - (B) - Ratio	11	4	1012	531	213	251	311		1107	531	213	251	329	
CHHM20 - 619□DB - (B) - Ratio	15	4	1102	531	261	324	363		1207	531	261	324	397	
CHHM1 - 6205DA - (B) - Ratio	0.75	4	834	530	140	148	269		877	530	140	148	272	
CHHM2 - 6205DA - (B) - Ratio	1.5	4	867	530	145	160	273		929	530	145	160	278	
CHHM3 - 6205DA - (B) - Ratio	2.2	4	887	530	152	173	277		949	530	152	173	284	
CHHM4 - 6205DA - (B) - Ratio	3.0	4	910	530	168	212	287		982	530	168	212	297	
CHHM5 - 6205DA - (B) - Ratio	3.7	4	910	530	168	212	287		982	530	168	212	297	
CHHM8 - 6205DA - (B) - Ratio	5.5	4	954	530	168	212	294		1026	530	168	212	304	
CHHM3 - 6205DB - (B) - Ratio	2.2	4	914	530	152	173	289		977	530	152	173	296	
CHHM4 - 6205DB - (B) - Ratio	3.0	4	937	530	168	212	299		1009	530	168	212	309	
CHHM5 - 6205DB - (B) - Ratio	3.7	4	937	530	168	212	299		1009	530	168	212	309	
CHHM8 - 6205DB - (B) - Ratio	5.5	4	981	530	168	212	306		1053	530	168	212	316	
CHHM10 - 6205DB - (B) - Ratio	7.5	4	1004	530	213	251	321		1099	530	213	251	339	
CHHM15 - 6205DB - (B) - Ratio	11	4	1064	530	213	251	334		1159	530	213	251	352	
CHHM20 - 6205DB - (B) - Ratio	15	4	1154	530	261	324	386		1249	530	261	324	419	
CHHM2 - 6215DA - (B) - Ratio	1.5	4	920	575	145	160	367		982	575	145	160	372	
CHHM3 - 6215DA - (B) - Ratio	2.2	4	940	575	152	173	370		1003	575	152	173	377	
CHHM4 - 6215DA - (B) - Ratio	3.0	4	963	575	168	212	380		1035	575	168	212	390	
CHHM5 - 6215DA - (B) - Ratio	3.7	4	963	575	168	212	380		1035	575	168	212	390	
CHHM8 - 6215DA - (B) - Ratio	5.5	4	1007	575	168	212	387		1079	575	168	212	397	
CHHM10 - 6215DA - (B) - Ratio	7.5	4	1030	575	213	251	402		1125	575	213	251	420	
CHHM15 - 6215DA - (B) - Ratio	11	4	1090	575	213	251	415		1185	575	213	251	433	
CHHM20 - 6215DA - (B) - Ratio	15	4	1180	575	261	324	467		1285	575	261	324	501	

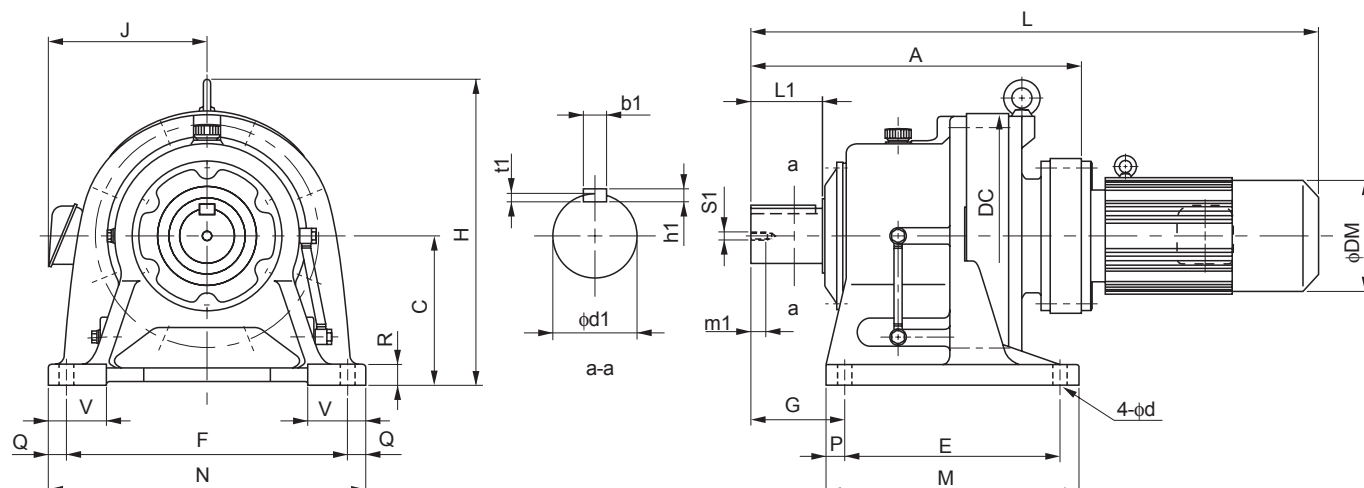
Note: 1. □ indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM - 6215DB to 6225DB



GEARMOTORS

Dimension Tables
CHHM

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
6215DB	675	265	485	395	480	210	475	580	40	50	40	110	26	110	165	28	16	10	M20	34
6225DA	692	280	526	420	540	230	520	620	50	40	40	115	33	120	165	32	18	11	M20	34
6225DB	735	280	526	420	540	230	520	620	50	40	40	115	33	120	165	32	18	11	M20	34

Model Note 5	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM5 - 6215DB - (B) - Ratio	3.7	4	993	575	168	212	399		1065	575	168	212	409
CHHM8 - 6215DB - (B) - Ratio	5.5	4	1037	575	168	212	406		1109	575	168	212	416
CHHM10 - 6215DB - (B) - Ratio	7.5	4	1060	575	213	251	422		1155	575	213	251	439
CHHM15 - 6215DB - (B) - Ratio	11	4	1120	575	213	251	436		1215	575	213	251	453
CHHM20 - 6215DB - (B) - Ratio	15	4	1205	575	261	324	489		1310	575	261	324	523
CHHM25 - 6215DB - (B) - Ratio	18.5	4	1300	575	328	394	564		1465	575	328	394	615
CHHM30 - 6215DB - (B) - Ratio	22	4	1300	575	328	394	564		1465	575	328	394	615
CHHM2 - 6225DA - (B) - Ratio	1.5	4	962	610	145	160	441		1024	610	145	160	446
CHHM3 - 6225DA - (B) - Ratio	2.2	4	982	610	152	173	444		1045	610	152	173	451
CHHM4 - 6225DA - (B) - Ratio	3.0	4	1005	610	168	212	454		1077	610	168	212	464
CHHM5 - 6225DA - (B) - Ratio	3.7	4	1005	610	168	212	454		1077	610	168	212	464
CHHM8 - 6225DA - (B) - Ratio	5.5	4	1049	610	168	212	461		1121	610	168	212	471
CHHM10 - 6225DA - (B) - Ratio	7.5	4	1072	610	213	251	476		1167	610	213	251	494
CHHM15 - 6225DA - (B) - Ratio	11	4	1132	610	213	251	490		1227	610	213	251	508
CHHM20 - 6225DA - (B) - Ratio	15	4	1222	610	261	324	542		1327	610	261	324	576
CHHM5 - 6225DB - (B) - Ratio	3.7	4	1058	610	168	212	499		1130	610	168	212	510
CHHM8 - 6225DB - (B) - Ratio	5.5	4	1102	610	168	212	506		1174	610	168	212	517
CHHM10 - 6225DB - (B) - Ratio	7.5	4	1125	610	213	251	521		1220	610	213	251	539
CHHM15 - 6225DB - (B) - Ratio	11	4	1185	610	213	251	535		1280	610	213	251	553
CHHM20 - 6225DB - (B) - Ratio	15	4	1265	610	261	324	589		1370	610	261	324	623
CHHM25 - 6225DB - (B) - Ratio	18.5	4	1360	610	328	394	661		1525	610	328	394	712
CHHM30 - 6225DB - (B) - Ratio	22	4	1360	610	328	394	661		1525	610	328	394	712
CHHM40 - 6225DB - (B) - Ratio	30	4	1360	610	328	394	678		1525	610	328	394	729

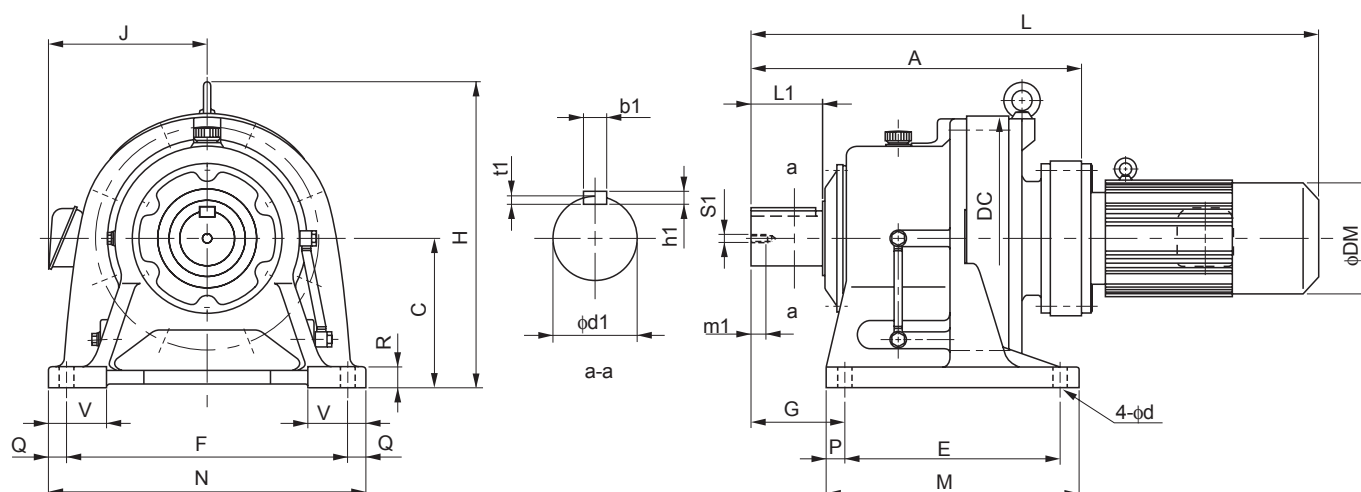
Note: 4. indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

5. "B" after the frame size indicates models equipped with brake.

6. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 6235DA to 6245DB

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 5						
														d1	L1	b1	h1	t1	S1	m1
6235DA	778	300	562	460	580	260	560	670	50	45	45	120	33	130	200	32	18	11	M24	41
6235DB	800	300	562	460	580	260	560	670	50	45	45	120	33	130	200	32	18	11	M24	41
6245DA	816	335	614	480	630	263	580	720	50	45	45	128	39	140	200	36	20	12	M24	41
6245DB	837	335	614	480	630	263	580	720	50	45	45	128	39	140	200	36	20	12	M24	41

Model	Note 4	Motor		Standard					With Brake				
		kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CHHM3 - 6235DA - (B) - Ratio		2.2	4	1068	667	152	173	561	1131	667	152	173	567
CHHM4 - 6235DA - (B) - Ratio		3.0	4	1091	667	168	212	570	1163	667	168	212	580
CHHM5 - 6235DA - (B) - Ratio		3.7	4	1091	667	168	212	570	1163	667	168	212	580
CHHM8 - 6235DA - (B) - Ratio		5.5	4	1135	667	168	212	577	1207	667	168	212	587
CHHM10 - 6235DA - (B) - Ratio		7.5	4	1163	667	213	251	593	1258	667	213	251	610
CHHM15 - 6235DA - (B) - Ratio		11	4	1223	667	213	251	607	1318	667	213	251	624
CHHM20 - 6235DA - (B) - Ratio		15	4	1308	667	261	324	660	1413	667	261	324	624
CHHM25 - 6235DA - (B) - Ratio		18.5	4	1403	667	328	394	737	1568	667	328	394	788
CHHM30 - 6235DA - (B) - Ratio		22	4	1403	667	328	394	737	1568	667	328	394	788
CHHM15 - 6235DB - (B) - Ratio		11	4	1245	667	213	251	639	1340	667	213	251	657
CHHM20 - 6235DB - (B) - Ratio		15	4	1330	667	261	324	701	1435	667	261	324	735
CHHM25 - 6235DB - (B) - Ratio		18.5	4	1425	667	328	394	768	1590	667	328	394	819
CHHM30 - 6235DB - (B) - Ratio		22	4	1425	667	328	394	768	1590	667	328	394	819
CHHM40 - 6235DB - (B) - Ratio		30	4	1425	667	328	394	782	1590	667	328	394	825
CHHM50 - 6235DB - (B) - Ratio		37	4	1540	667	328	394	820	1755	667	328	394	917
CHHM3 - 6245DA - (B) - Ratio		2.2	4	1106	729	152	173	670	1169	729	152	173	676
CHHM4 - 6245DA - (B) - Ratio		3.0	4	1129	729	168	212	679	1201	729	168	212	689
CHHM5 - 6245DA - (B) - Ratio		3.7	4	1129	729	168	212	679	1201	729	168	212	689
CHHM8 - 6245DA - (B) - Ratio		5.5	4	1173	729	168	212	686	1245	729	168	212	696
CHHM10 - 6245DA - (B) - Ratio		7.5	4	1201	729	213	251	702	1296	729	213	251	719
CHHM15 - 6245DA - (B) - Ratio		11	4	1261	729	213	251	716	1356	729	213	251	733
CHHM20 - 6245DA - (B) - Ratio		15	4	1346	729	261	324	769	1451	729	261	324	803
CHHM25 - 6245DA - (B) - Ratio		18.5	4	1441	729	328	394	840	1606	729	328	394	891
CHHM30 - 6245DA - (B) - Ratio		22	4	1441	729	328	394	840	1606	729	328	394	891
CHHM15 - 6245DB - (B) - Ratio		11	4	1282	729	213	251	740	1377	729	213	251	758
CHHM20 - 6245DB - (B) - Ratio		15	4	1367	729	261	324	800	1472	729	261	324	834
CHHM25 - 6245DB - (B) - Ratio		18.5	4	1462	729	328	394	866	1627	729	328	394	917
CHHM30 - 6245DB - (B) - Ratio		22	4	1462	729	328	394	866	1627	729	328	394	917
CHHM40 - 6245DB - (B) - Ratio		30	4	1462	729	328	394	883	1627	729	328	394	926
CHHM50 - 6245DB - (B) - Ratio		37	4	1577	729	328	394	935	1792	729	328	394	1032

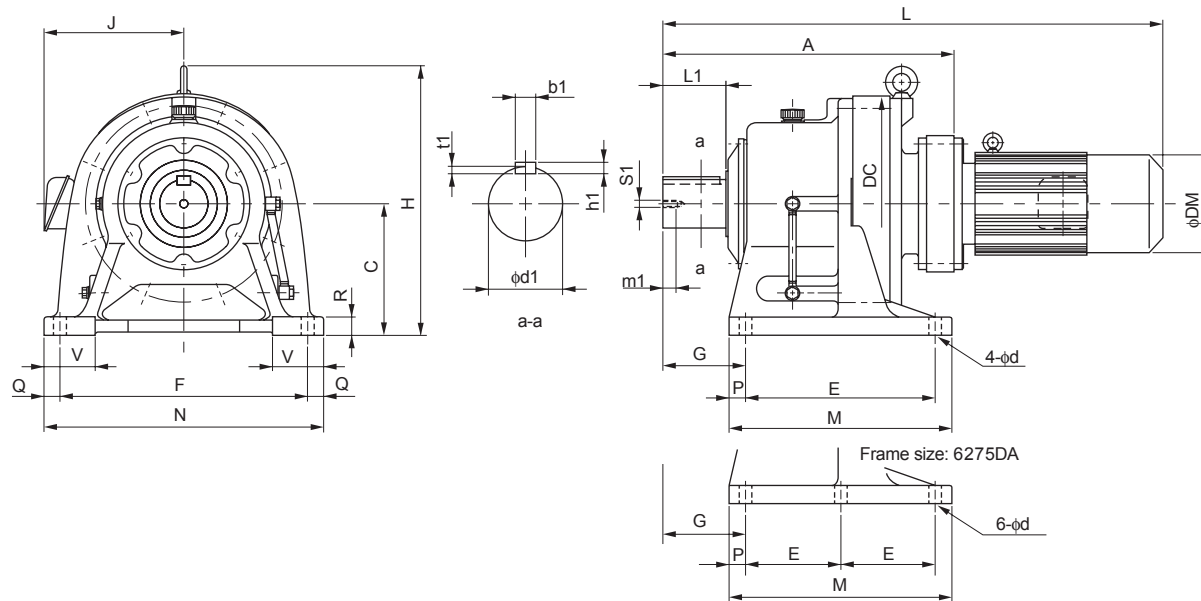
Note: 1. □ indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 6255DA to 6275DA



GEARMOTORS

Dimension Tables
CHHM

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft ^{Note 2, 3, 5}						
														d1	L1	b1	h1	t1	S1	m1
6255DA	956	375	670	520	670	320	630	780	55	55	50	140	39	160	240	40	22	13	M30	49
6255DB	978	375	670	520	670	320	630	780	55	55	50	140	39	160	240	40	22	13	M30	49
6265DA	1088	400	736	590	770	390	700	880	55	55	55	160	45	170	300	40	22	13	M30	49
6275DA	1349	540	950	420	1050	485	1040	1160	100	55	60	200	45	180	330	45	25	15	M30	52

Model ^{Note 4}	Motor		Standard							With Brake				
	kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)	L	H
CHHM5 - 6255DA - (B) - Ratio	3.7	4	1284	815	168	212	1031	1356	815	168	212	1041	1356	815
CHHM8 - 6255DA - (B) - Ratio	5.5	4	1328	815	168	212	1041	1400	815	168	212	1051	1400	815
CHHM10 - 6255DA - (B) - Ratio	7.5	4	1346	815	213	251	1056	1441	815	213	251	1071	1441	815
CHHM15 - 6255DA - (B) - Ratio	11	4	1406	815	213	251	1071	1501	815	213	251	1086	1501	815
CHHM20 - 6255DA - (B) - Ratio	15	4	1486	815	261	324	1121	1591	815	261	324	1157	1591	815
CHHM25 - 6255DA - (B) - Ratio	18.5	4	1581	815	328	394	1195	1746	815	328	394	1246	1746	815
CHHM30 - 6255DA - (B) - Ratio	22	4	1581	815	328	394	1195	1746	815	328	394	1246	1746	815
CHHM40 - 6255DA - (B) - Ratio	30	4	1581	815	328	394	1215	1746	815	328	394	1258	1746	815
CHHM15 - 6255DB - (B) - Ratio	11	4	1443	815	213	251	1144	1538	815	213	251	1159	1538	815
CHHM20 - 6255DB - (B) - Ratio	15	4	1508	815	261	324	1194	1613	815	261	324	1228	1613	815
CHHM25 - 6255DB - (B) - Ratio	18.5	4	1603	815	328	394	1270	1768	815	328	394	1321	1768	815
CHHM30 - 6255DB - (B) - Ratio	22	4	1603	815	328	394	1270	1768	815	328	394	1321	1768	815
CHHM40 - 6255DB - (B) - Ratio	30	4	1603	815	328	394	1285	1768	815	328	394	1328	1768	815
CHHM50 - 6255DB - (B) - Ratio	37	4	1718	815	328	394	1323	1928	815	328	394	1420	1928	815
CHHM60 - 6255DB - (B) - Ratio	45	4	1718	815	328	394	1323	1928	815	328	394	1420	1928	815
CHHM8 - 6265DA - (B) - Ratio	5.5	4	1480	874	168	212	1366	1552	874	168	212	1376	1552	874
CHHM10 - 6265DA - (B) - Ratio	7.5	4	1493	874	213	251	1381	1588	874	213	251	1401	1588	874
CHHM15 - 6265DA - (B) - Ratio	11	4	1553	874	213	251	1396	1648	874	213	251	1411	1648	874
CHHM20 - 6265DA - (B) - Ratio	15	4	1618	874	261	324	1446	1723	874	261	324	1482	1723	874
CHHM25 - 6265DA - (B) - Ratio	18.5	4	1713	874	328	394	1525	1878	874	328	394	1570	1878	874
CHHM30 - 6265DA - (B) - Ratio	22	4	1713	874	328	394	1525	1878	874	328	394	1570	1878	874
CHHM40 - 6265DA - (B) - Ratio	30	4	1713	874	328	394	1540	1878	874	328	394	1583	1878	874
CHHM50 - 6265DA - (B) - Ratio	37	4	1828	874	328	394	1575	2043	874	328	394	1672	2043	874
CHHM60 - 6265DA - (B) - Ratio	45	4	1828	874	328	394	1575	2043	874	328	394	1672	2043	874
CHHM10 - 6275DA - (B) - Ratio	7.5	4	1754	1161	213	251	2516	1849	1161	213	251	2536	1849	1161
CHHM15 - 6275DA - (B) - Ratio	11	4	1814	1161	213	251	2531	1909	1161	213	251	2546	1909	1161
CHHM20 - 6275DA - (B) - Ratio	15	4	1879	1161	261	324	2581	1984	1161	261	324	2617	1984	1161
CHHM25 - 6275DA - (B) - Ratio	18.5	4	1974	1161	328	394	2660	2139	1161	328	394	2705	2139	1161
CHHM30 - 6275DA - (B) - Ratio	22	4	1974	1161	328	394	2660	2139	1161	328	394	2705	2139	1161
CHHM40 - 6275DA - (B) - Ratio	30	4	1974	1161	328	394	2670	2139	1161	328	394	2718	2139	1161
CHHM50 - 6275DA - (B) - Ratio	37	4	2089	1161	328	394	2715	2304	1161	328	394	2810	2304	1161
CHHM60 - 6275DA - (B) - Ratio	45	4	2089	1161	328	394	2715	2304	1161	328	394	2810	2304	1161

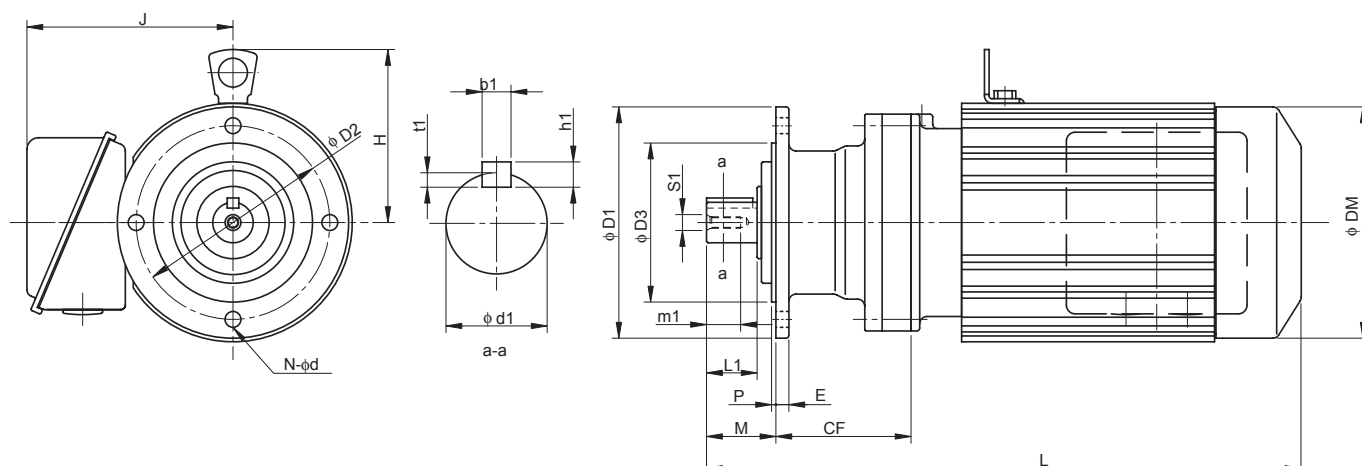
Note: 4. "B" after the frame size indicates models equipped with brake.

5. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

6. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Universal Direction, V-Flange Mount)

CNVM^{Note 1} - 606□ to 609□



Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
606□	58	120	102	80	34	8	3	6	9	-	14	25	5	5	3	M5	16
607□	56	160	134	110	42	9	3	4	11	-	18	30	6	6	3.5	M6	16
608□	81	160	134	110	48	9	3	4	11	-	22	35	6	6	3.5	M6	16
609□	94	160	134	110	48	9	3	4	11	107	28	35	8	7	4	M8	20

Model Note 5, 6	Motor		Standard				With Brake			
	kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CNVM01 - 606□ - (B) - Ratio	0.1	4	254	130	119	7	261	130	124	9
CNVM02 - 606□ - (B) - Ratio	0.2	4	272	130	124	8	300	130	124	10
CNVM03 - 606□ - (B) - Ratio	0.25	4	272	130	124	9	300	130	124	10
CNVM01 - 607□ - (B) - Ratio	0.1	4	260	130	119	9	267	130	124	10
CNVM02 - 607□ - (B) - Ratio	0.2	4	278	130	124	10	306	130	124	11
CNVM03 - 607□ - (B) - Ratio	0.25	4	278	130	124	10	306	130	124	11
CNVM05 - 607□ - (B) - Ratio	0.4	4	294	130	124	11	326	130	124	12
CNVM01 - 608□ - (B) - Ratio	0.1	4	286	130	119	12	293	130	124	13
CNVM02 - 608□ - (B) - Ratio	0.2	4	304	130	124	13	332	130	124	14
CNVM03 - 608□ - (B) - Ratio	0.25	4	304	130	124	13	332	130	124	14
CNVM05 - 608□ - (B) - Ratio	0.4	4	320	130	124	15	352	130	124	16
CNVM08 - 608□ - (B) - Ratio	0.55	4	361	140	148	19	404	140	148	20
CNVM1 - 608□ - (B) - Ratio	0.75	4	361	140	148	19	404	140	148	20
CNVM01 - 609□ - (B) - Ratio	0.1	4	304	130	119	13	311	130	124	15
CNVM02 - 609□ - (B) - Ratio	0.2	4	322	130	124	14	350	130	124	16
CNVM03 - 609□ - (B) - Ratio	0.25	4	322	130	124	14	350	130	124	16
CNVM05 - 609□ - (B) - Ratio	0.4	4	338	130	124	15	370	130	124	17
CNVM08 - 609□ - (B) - Ratio	0.55	4	379	140	148	19	422	140	148	22
CNVM1 - 609□ - (B) - Ratio	0.75	4	379	140	148	19	422	140	148	22
CNVM1H - 609□ - (B) - Ratio	1.1	4	412	145	160	22	474	145	160	27
CNVM2 - 609□ - (B) - Ratio	1.5	4	412	145	160	22	474	145	160	27

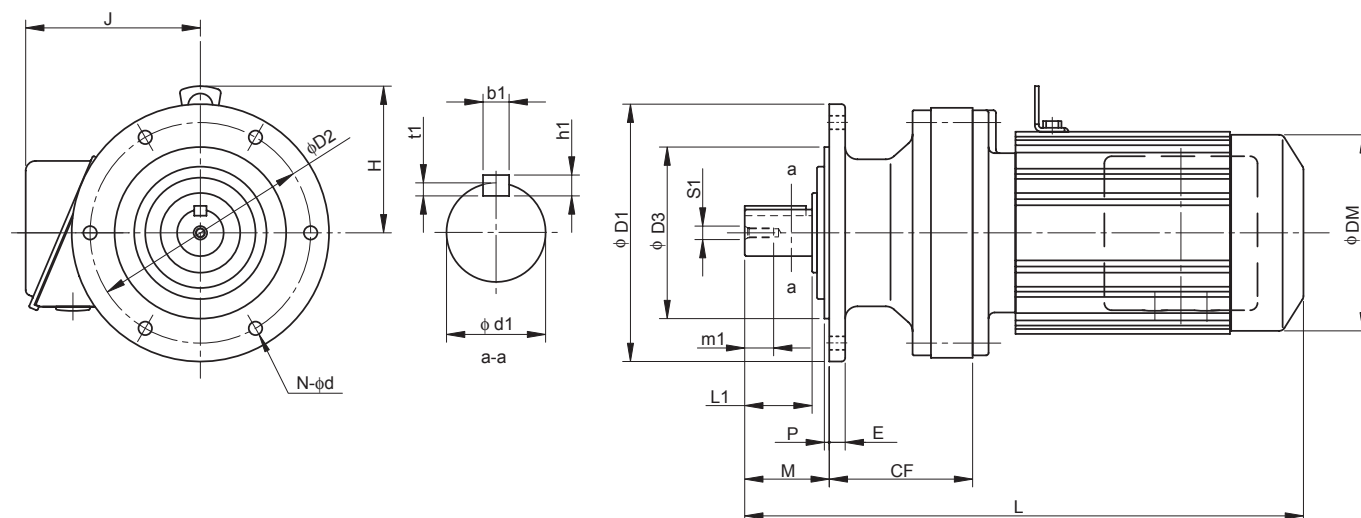
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

6. "B" after the frame size indicates models equipped with brake.

7. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

8. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Universal Direction, V-Flange Mount)

CNVM^{Note 1} - 610□ to 612□

Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
610□	108	160	134	110	48	9	3	4	11	107	28	35	8	7	4	M8	20
611□	112	210	180	140	58	11	4	6	11	116	32	45	10	8	5	M8	20
612□	117	210	180	140	69	13	4	6	11	137	38	55	10	8	5	M8	20

Model Note 5, 6	Motor		Standard					With Brake			
	kW	P	L	J	DM	W(kg)		L	J	DM	W(kg)
CNVM02 - 610□ - (B) - Ratio	0.2	4	336	130	124	16		364	130	124	18
CNVM03 - 610□ - (B) - Ratio	0.25	4	336	130	124	16		364	130	124	18
CNVM05 - 610□ - (B) - Ratio	0.4	4	352	130	124	17		384	130	124	19
CNVM08 - 610□ - (B) - Ratio	0.55	4	393	140	148	21		436	140	148	24
CNVM1 - 610□ - (B) - Ratio	0.75	4	393	140	148	21		436	140	148	24
CNVM1H - 610□ - (B) - Ratio	1.1	4	426	145	160	25		488	145	160	30
CNVM2 - 610□ - (B) - Ratio	1.5	4	426	145	160	25		488	145	160	30
CNVM3 - 610□ - (B) - Ratio	2.2	4	446	152	173	29		509	152	173	35
CNVM05 - 611□ - (B) - Ratio	0.4	4	363	130	124	19		394	130	124	21
CNVM08 - 611□ - (B) - Ratio	0.55	4	403	140	148	22		452	140	148	25
CNVM1 - 611□ - (B) - Ratio	0.75	4	403	140	148	22		452	140	148	25
CNVM1H - 611□ - (B) - Ratio	1.1	4	436	145	160	25		493	145	160	30
CNVM2 - 611□ - (B) - Ratio	1.5	4	436	145	160	25		493	145	160	30
CNVM3 - 611□ - (B) - Ratio	2.2	4	456	152	173	29		519	152	173	35
CNVM4 - 611□ - (B) - Ratio	3.0	4	491	168	212	39		563	168	212	49
CNVM5 - 611□ - (B) - Ratio	3.7	4	491	168	212	39		563	168	212	49
CNVM05 - 612□ - (B) - Ratio	0.4	4	387	130	124	30		419	130	124	31
CNVM08 - 612□ - (B) - Ratio	0.55	4	423	140	148	31		466	140	148	34
CNVM1 - 612□ - (B) - Ratio	0.75	4	423	140	148	31		466	140	148	34
CNVM1H - 612□ - (B) - Ratio	1.1	4	456	145	160	35		518	145	160	40
CNVM2 - 612□ - (B) - Ratio	1.5	4	456	145	160	35		518	145	160	40
CNVM3 - 612□ - (B) - Ratio	2.2	4	476	152	173	39		539	152	173	46
CNVM4 - 612□ - (B) - Ratio	3.0	4	499	168	212	49		571	168	212	59
CNVM5 - 612□ - (B) - Ratio	3.7	4	499	168	212	49		571	168	212	59
CNVM8 - 612□ - (B) - Ratio	5.5	4	543	168	212	56		615	168	212	66

Note: 1. □ indicates motor capacity.

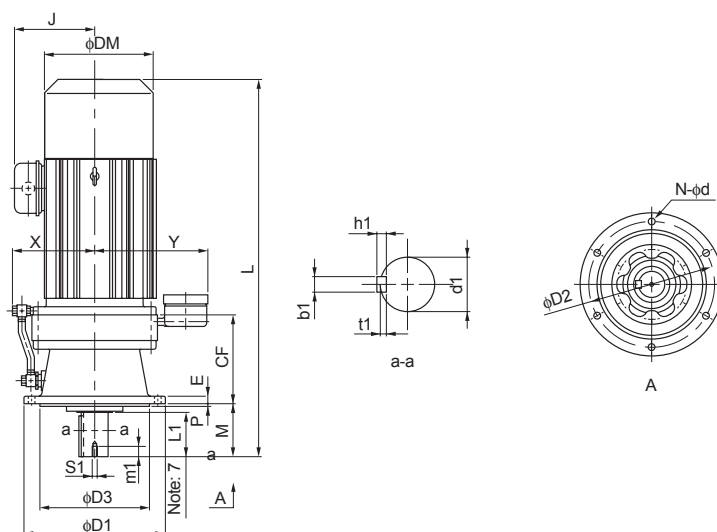
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "f8."

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 613□ to 614□



GEARMOTORS

 Dimension Tables
CVVM

Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
613□	164	260	230	200	76	15	4	6	11	152	233	50	61	14	9	5.5	M10	18
614□	164	260	230	200	96	15	4	6	11	152	233	50	81	14	9	5.5	M10	18

Model Note 5, 6	Motor		Standard					With Brake			
	kW	P	L	J	DM	W(kg)		L	J	DM	W(kg)
CVVM08 - 613□ - (B) - Ratio	0.55	4	477	140	148	51		520	140	148	54
CVVM1 - 613□ - (B) - Ratio	0.75	4	477	140	148	51		520	140	148	54
CVVM1H - 613□ - (B) - Ratio	1.1	4	510	145	160	55		572	145	160	60
CVVM2 - 613□ - (B) - Ratio	1.5	4	510	145	160	55		572	145	160	60
CVVM3 - 613□ - (B) - Ratio	2.2	4	530	152	173	58		593	152	173	65
CVVM4 - 613□ - (B) - Ratio	3.0	4	553	168	212	68		625	168	212	78
CVVM5 - 613□ - (B) - Ratio	3.7	4	553	168	212	68		625	168	212	78
CVVM8 - 613□ - (B) - Ratio	5.5	4	597	168	212	75		669	168	212	85
CVVM10 - 613□ - (B) - Ratio	7.5	4	620	213	251	90		715	213	251	108
CVVM15 - 613□ - (B) - Ratio	11	4	680	213	251	104		775	213	251	121
CVVM1 - 614□ - (B) - Ratio	0.75	4	497	140	148	52		540	140	148	55
CVVM1H - 614□ - (B) - Ratio	1.1	4	530	145	160	56		592	145	160	61
CVVM2 - 614□ - (B) - Ratio	1.5	4	530	145	160	56		592	145	160	61
CVVM3 - 614□ - (B) - Ratio	2.2	4	550	152	173	59		613	152	173	66
CVVM4 - 614□ - (B) - Ratio	3.0	4	573	168	212	69		645	168	212	79
CVVM5 - 614□ - (B) - Ratio	3.7	4	573	168	212	69		645	168	212	79
CVVM8 - 614□ - (B) - Ratio	5.5	4	617	168	212	76		689	168	212	86
CVVM10 - 614□ - (B) - Ratio	7.5	4	640	213	251	91		735	213	251	109
CVVM15 - 614□ - (B) - Ratio	11	4	700	213	251	104		795	213	251	122
CVVM20 - 614□ - (B) - Ratio	15	4	790	261	324	156		895	261	324	190

Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

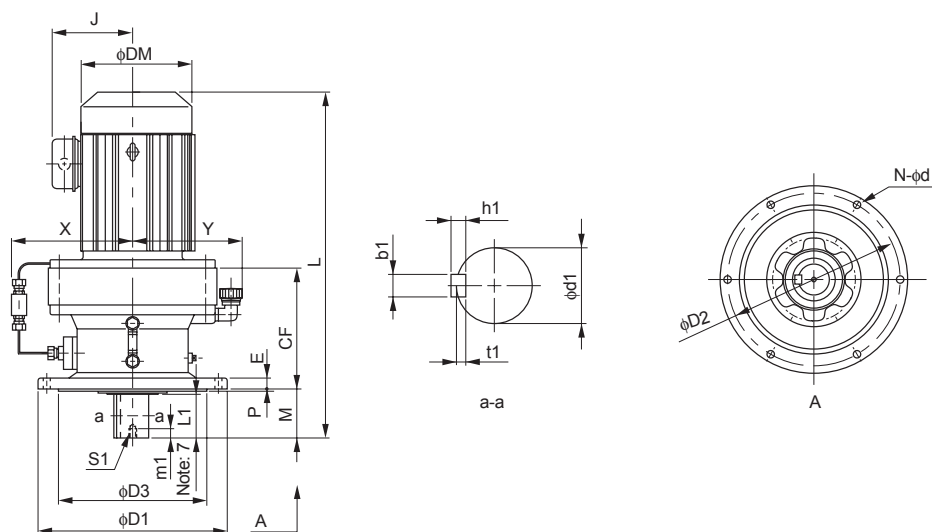
6. "B" after the frame size indicates models equipped with brake.

7. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

8. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 616□ to 617□



Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
616□	219	340	310	270	89	20	4	6	11	217	200	60	80	18	11	7	M10	18
617□	258	400	360	316	94	22	5	8	14	222	225	70	84	20	12	7.5	M12	24

Model Note 5, 6			Motor		Standard				With Brake			
			kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM1H	-616□	-(B) - Ratio	1.1	4	583	145	160	89	645	145	160	94
CVVM2	-616□	-(B) - Ratio	1.5	4	583	145	160	89	645	145	160	94
CVVM3	-616□	-(B) - Ratio	2.2	4	598	152	173	92	661	152	173	98
CVVM4	-616□	-(B) - Ratio	3.0	4	621	168	212	101	693	168	212	111
CVVM5	-616□	-(B) - Ratio	3.7	4	621	168	212	101	693	168	212	111
CVVM8	-616□	-(B) - Ratio	5.5	4	665	168	212	108	737	168	212	118
CVVM10	-616□	-(B) - Ratio	7.5	4	693	213	251	124	788	213	251	141
CVVM15	-616□	-(B) - Ratio	11	4	753	213	251	138	848	213	251	155
CVVM20	-616□	-(B) - Ratio	15	4	838	261	324	191	943	261	324	225
CVVM25	-616□	-(B) - Ratio	18.5	4	933	328	394	267	1098	328	394	318
CVVM30	-616□	-(B) - Ratio	22	4	933	328	394	267	1098	328	394	318
CVVM4	-617□	-(B) - Ratio	3.0	4	680	168	212	144	752	168	212	154
CVVM5	-617□	-(B) - Ratio	3.7	4	680	168	212	144	752	168	212	154
CVVM8	-617□	-(B) - Ratio	5.5	4	724	168	212	151	796	168	212	161
CVVM10	-617□	-(B) - Ratio	7.5	4	742	213	251	166	837	213	251	184
CVVM15	-617□	-(B) - Ratio	11	4	802	213	251	180	897	213	251	198
CVVM20	-617□	-(B) - Ratio	15	4	882	261	324	234	987	261	324	268
CVVM25	-617□	-(B) - Ratio	18.5	4	977	328	394	306	1142	328	324	357
CVVM30	-617□	-(B) - Ratio	22	4	977	328	394	306	1142	328	324	357
CVVM40	-617□	-(B) - Ratio	30	4	977	328	394	323	1142	328	324	366

Note: 1. □ indicates motor capacity.

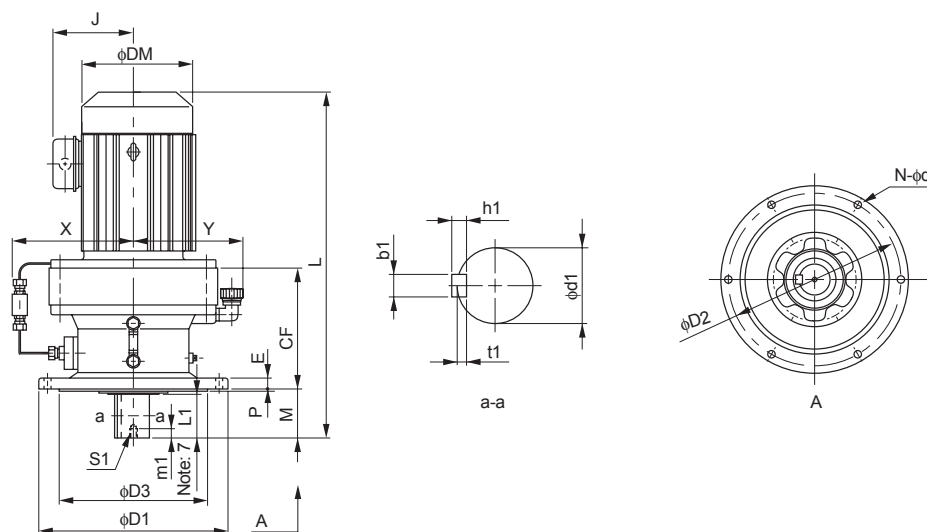
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter (φD3): Dimension tolerance conforms to JIS B 0401-1976 "f8."

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 618□ to 619□



Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
618□	279	430	390	345	110	22	5	8	18	237	240	80	100	22	14	9	M12	24
619□	320	490	450	400	145	30	6	12	18	265	270	95	125	25	14	9	M20	34

Model Note 5, 6	Motor		Standard				With Brake			
	kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM4 - 618□ - (B) - Ratio	3.0	4	717	168	212	170	789	168	212	180
CVVM5 - 618□ - (B) - Ratio	3.7	4	717	168	212	170	789	168	212	180
CVVM8 - 618□ - (B) - Ratio	5.5	4	761	168	212	178	833	168	212	188
CVVM10 - 618□ - (B) - Ratio	7.5	4	779	213	251	193	874	213	251	211
CVVM15 - 618□ - (B) - Ratio	11	4	839	213	251	207	934	213	251	225
CVVM20 - 618□ - (B) - Ratio	15	4	919	261	324	267	1024	261	324	296
CVVM25 - 618□ - (B) - Ratio	18.5	4	1014	328	394	333	1179	328	394	384
CVVM30 - 618□ - (B) - Ratio	22	4	1014	328	394	333	1179	328	394	384
CVVM40 - 618□ - (B) - Ratio	30	4	1014	328	394	350	1179	328	394	393
CVVM50 - 618□ - (B) - Ratio	37	4	1129	328	394	398	1344	328	394	495
CVVM60 - 618□ - (B) - Ratio	45	4	1129	328	394	398	1344	328	394	495
CVVM8 - 619□ - (B) - Ratio	5.5	4	857	168	212	250	929	168	212	260
CVVM10 - 619□ - (B) - Ratio	7.5	4	870	213	251	263	965	213	251	281
CVVM15 - 619□ - (B) - Ratio	11	4	930	213	251	277	1025	213	251	295
CVVM20 - 619□ - (B) - Ratio	15	4	995	261	324	330	1100	261	324	365
CVVM25 - 619□ - (B) - Ratio	18.5	4	1090	328	394	408	1255	328	394	453
CVVM256 - 619□ - (B) - Ratio	18.5	6	1090	328	394	421	1255	328	394	466
CVVM30 - 619□ - (B) - Ratio	22	4	1090	328	394	408	1255	328	394	453
CVVM40 - 619□ - (B) - Ratio	30	4	1090	328	394	421	1255	328	394	466
CVVM406 - 619□ - (B) - Ratio	30	6	1205	328	394	459	1420	328	394	556
CVVM50 - 619□ - (B) - Ratio	37	4	1205	328	394	459	1420	328	394	556
CVVM506 - 619□ - (B) - Ratio	37	6	1205	328	394	459	1420	328	394	556
CVVM60 - 619□ - (B) - Ratio	45	4	1205	328	394	459	1420	328	394	556

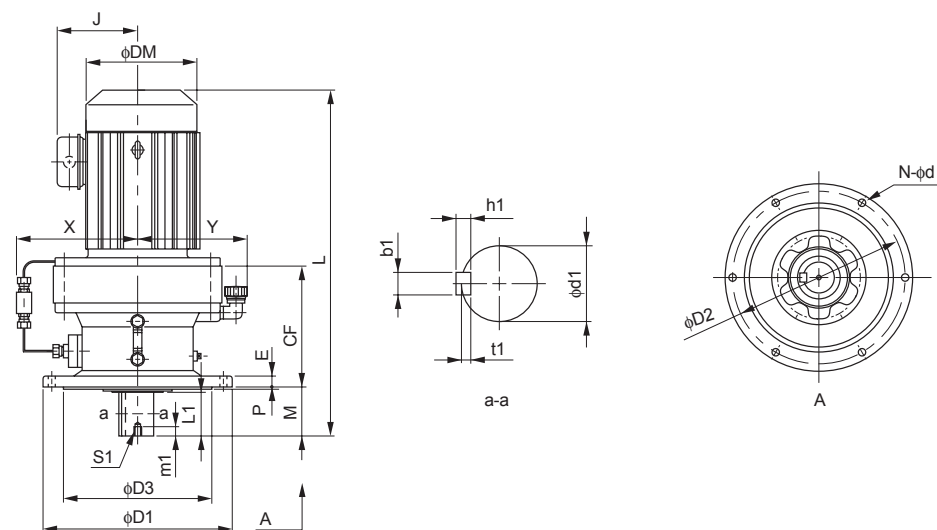
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

6. "B" after the frame size indicates models equipped with brake.

7. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

8. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 6205 to 6215

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 6						
												d1	L1	b1	h1	t1	S1	m1
6205	298	455	405	355	204	30	5	8	22	341	287	100	165	28	16	10	M20	34
6215	323	490	440	390	203	35	7	8	24	348	306	110	165	28	16	10	M20	34

Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM15 - 6205	- (B) - Ratio	11	4	972	213	251	299	1067	213	251	317
CVVM20 - 6205	- (B) - Ratio	15	4	1042	261	324	353	1147	261	324	389
CVVM206 - 6205	- (B) - Ratio	15	6	1127	328	394	428	1292	328	394	473
CVVM25 - 6205	- (B) - Ratio	18.5	4	1127	328	394	428	1292	328	394	473
CVVM30 - 6205	- (B) - Ratio	22	4	1127	328	394	428	1292	328	394	473
CVVM306 - 6205	- (B) - Ratio	22	6	1127	328	394	441	1292	328	394	486
CVVM40 - 6205	- (B) - Ratio	30	4	1127	328	394	441	1292	328	394	486
CVVM406 - 6205	- (B) - Ratio	30	6	1242	328	394	479	1457	328	394	573
CVVM50 - 6205	- (B) - Ratio	37	4	1242	328	394	479	1457	328	394	573
CVVM506 - 6205	- (B) - Ratio	37	6	1242	328	394	479	1457	328	394	573
CVVM60 - 6205	- (B) - Ratio	45	4	1242	328	394	479	1457	328	394	573
CVVM606 - 6205	- (B) - Ratio	45	6	1297	378	484	572	-	-	-	-
CVVM75 - 6205	- (B) - Ratio	55	4	1297	378	484	572	-	-	-	-
CVVM15 - 6215	- (B) - Ratio	11	4	996	213	251	377	1091	213	251	395
CVVM20 - 6215	- (B) - Ratio	15	4	1066	261	324	432	1171	261	324	467
CVVM206 - 6215	- (B) - Ratio	15	6	1151	328	394	501	1316	328	394	546
CVVM25 - 6215	- (B) - Ratio	18.5	4	1151	328	394	501	1316	328	394	546
CVVM256 - 6215	- (B) - Ratio	18.5	6	1151	328	394	514	1316	328	394	559
CVVM30 - 6215	- (B) - Ratio	22	4	1151	328	394	501	1316	328	394	546
CVVM306 - 6215	- (B) - Ratio	22	6	1151	328	394	514	1316	328	394	559
CVVM40 - 6215	- (B) - Ratio	30	4	1151	328	394	514	1316	328	394	559
CVVM406 - 6215	- (B) - Ratio	30	6	1266	328	394	569	1481	328	394	664
CVVM50 - 6215	- (B) - Ratio	37	4	1266	328	394	569	1481	328	394	664
CVVM506 - 6215	- (B) - Ratio	37	6	1266	328	394	569	1481	328	394	664
CVVM60 - 6215	- (B) - Ratio	45	4	1266	328	394	569	1481	328	394	664
CVVM606 - 6215	- (B) - Ratio	45	6	1321	378	484	662	-	-	-	-
CVVM75 - 6215	- (B) - Ratio	55	4	1321	378	484	662	-	-	-	-

Note: 1. □ indicates motor capacity.

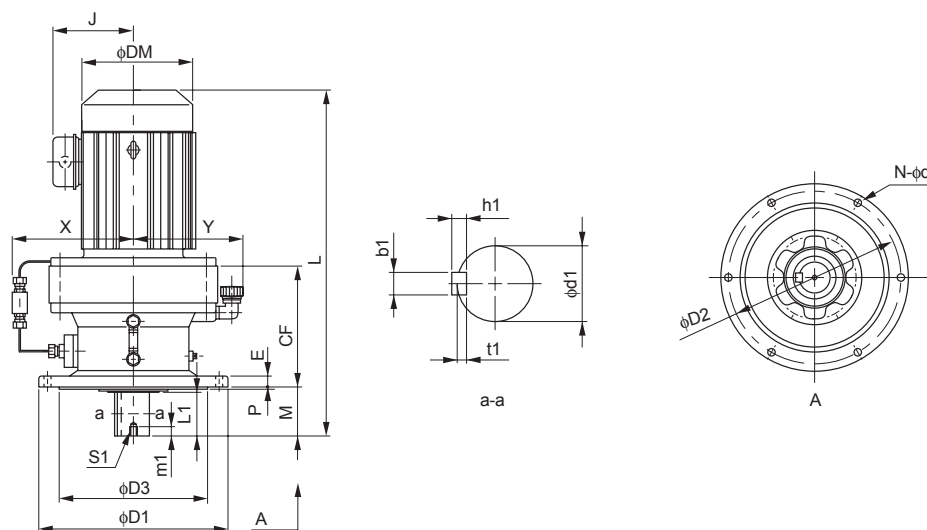
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter (φD3): Dimension tolerance conforms to JIS B 0401-1976 "f8."

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 6225 to 6235



GEARMOTORS

 Dimension Tables
CVVM

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 6						
												d1	L1	b1	h1	t1	S1	m1
6225	356	535	475	415	210	35	10	8	27	352	326	120	165	32	18	11	M20	34
6235	378	570	510	450	250	40	10	8	27	359	344	130	200	32	18	11	M24	41

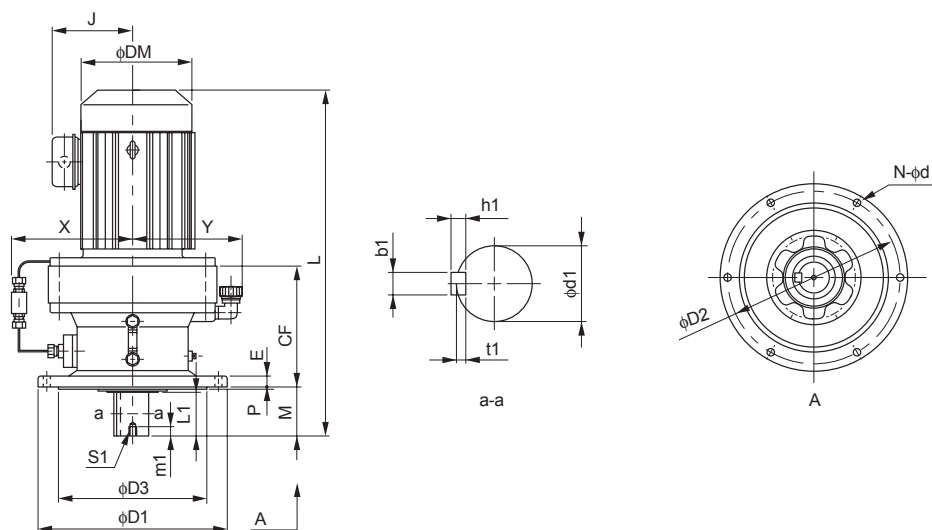
Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM206 - 6225	- (B) - Ratio	15	6	1191	328	394	593	1356	328	394	638
CVVM25 - 6225	- (B) - Ratio	18.5	4	1191	328	394	593	1356	328	394	638
CVVM256 - 6225	- (B) - Ratio	18.5	6	1191	328	394	606	1356	328	394	651
CVVM30 - 6225	- (B) - Ratio	22	4	1191	328	394	593	1356	328	394	638
CVVM306 - 6225	- (B) - Ratio	22	6	1191	328	394	606	1356	328	394	651
CVVM40 - 6225	- (B) - Ratio	30	4	1191	328	394	606	1356	328	394	651
CVVM406 - 6225	- (B) - Ratio	30	6	1306	328	394	660	1521	328	394	755
CVVM50 - 6225	- (B) - Ratio	37	4	1306	328	394	660	1521	328	394	755
CVVM506 - 6225	- (B) - Ratio	37	6	1306	328	394	660	1521	328	394	755
CVVM60 - 6225	- (B) - Ratio	45	4	1306	328	394	660	1521	328	394	755
CVVM606 - 6225	- (B) - Ratio	45	6	1361	378	484	743	-	-	-	-
CVVM75 - 6225	- (B) - Ratio	55	4	1361	378	484	743	-	-	-	-
CVVM206 - 6235	- (B) - Ratio	15	6	1253	328	394	653	1418	328	394	684
CVVM256 - 6235	- (B) - Ratio	18.5	6	1253	328	394	653	1418	328	394	698
CVVM306 - 6235	- (B) - Ratio	22	6	1253	328	394	653	1418	328	394	698
CVVM406 - 6235	- (B) - Ratio	30	6	1368	328	394	699	1583	328	394	787
CVVM506 - 6235	- (B) - Ratio	37	6	1368	328	394	699	1583	328	394	787
CVVM606 - 6235	- (B) - Ratio	45	6	1423	378	484	788	-	-	-	-
CVVM756 - 6235	- (B) - Ratio	55	6	1503	378	485	842	-	-	-	-

Note: 5. "B" after the frame size indicates models equipped with brake.

6. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 6245 to 6265

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
6245	407	635	560	485	250	40	10	8	33	370	371	140	200	36	20	12	M24	41
6255	480	685	610	535	295	45	10	8	33	426	399	160	240	40	22	13	M30	49
6265	532	750	660	570	360	50	10	8	39	460	431	170	300	40	22	13	M30	49

Model	Note 6	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM206 - 6245	- (B) - Ratio	15	6	1282	328	394	759	1447	328	394	792
CVVM256 - 6245	- (B) - Ratio	18.5	6	1282	328	394	759	1447	328	394	806
CVVM306 - 6245	- (B) - Ratio	22	6	1282	328	394	759	1447	328	394	806
CVVM406 - 6245	- (B) - Ratio	30	6	1397	328	394	805	1612	328	394	893
CVVM506 - 6245	- (B) - Ratio	37	6	1397	328	394	805	1612	328	394	893
CVVM606 - 6245	- (B) - Ratio	45	6	1452	378	484	896	-	-	-	-
CVVM756 - 6245	- (B) - Ratio	55	6	1532	378	485	945	-	-	-	-
CVVM206 - 6255	- (B) - Ratio	15	6	1400	328	394	1045	1565	328	394	1123
CVVM256 - 6255	- (B) - Ratio	18.5	6	1400	328	394	1045	1565	328	394	1137
CVVM306 - 6255	- (B) - Ratio	22	6	1400	328	394	1045	1565	328	394	1137
CVVM406 - 6255	- (B) - Ratio	30	6	1515	328	394	1090	1730	328	394	1178
CVVM506 - 6255	- (B) - Ratio	37	6	1515	328	394	1090	1730	328	394	1178
CVVM606 - 6255	- (B) - Ratio	45	6	1570	378	484	1170	-	-	-	-
CVVM756 - 6255	- (B) - Ratio	55	6	1650	378	485	1225	-	-	-	-
CVVM406 - 6265	- (B) - Ratio	22	6	1517	328	394	1350	1727	328	394	1397
CVVM406 - 6265	- (B) - Ratio	30	6	1632	328	394	1395	1847	328	394	1483
CVVM506 - 6265	- (B) - Ratio	37	6	1632	328	394	1395	1847	328	394	1483
CVVM606 - 6265	- (B) - Ratio	45	6	1687	378	484	1490	-	-	-	-

Note: 1. $\square$ indicates motor capacity.

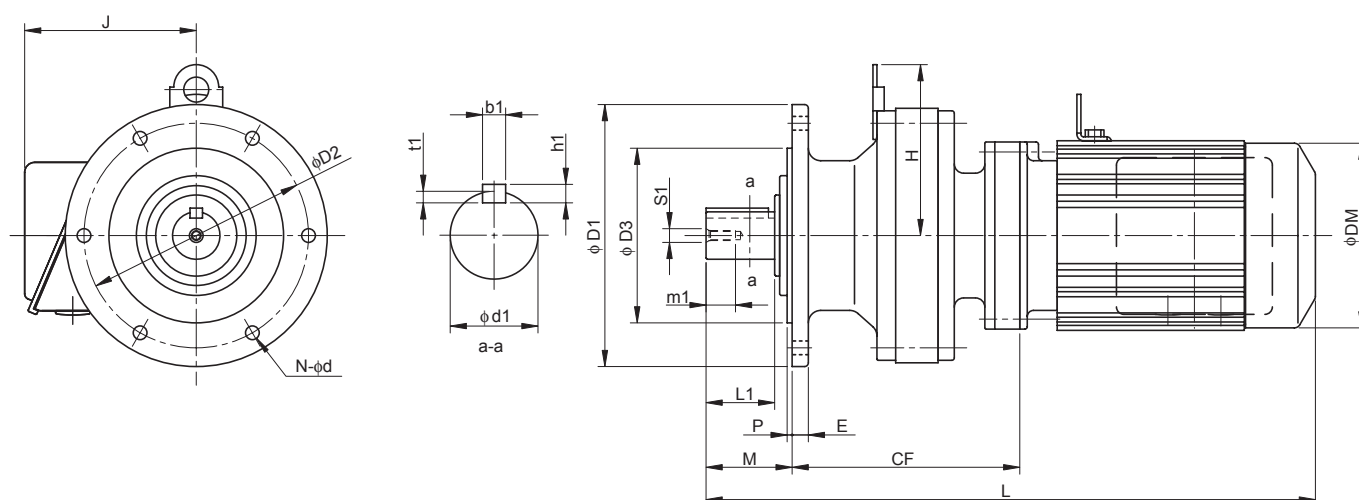
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "f8."

Dimension Tables Gearmotors (Universal Direction, V-Flange Mount)

CNVM^{Note 1} - 606□DA to 612□DB



Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
606□DA	91	120	102	80	34	8	3	6	9	-	14	25	5	5	3	M5	16
607□DA	89	160	134	110	42	9	3	4	11	-	18	30	6	6	3.5	M6	16
609□DA	142	160	134	110	48	9	3	4	11	107	28	35	8	7	4	M8	20
610□DA	156	160	134	110	48	9	3	4	11	107	28	35	8	7	4	M8	20
612□DA	171	210	180	140	69	13	4	6	11	137	38	55	10	8	5	M8	20
612□DB	183	210	180	140	69	13	4	6	11	-	38	55	10	8	5	M8	20

Model Note 5, 6	Motor		Standard					With Brake			
	kW	P	L	J	DM	W(kg)		L	J	DM	W(kg)
CNVM01 - 606□DA - (B) - Ratio	0.1	4	287	130	119	9		294	130	124	12
CNVM01 - 607□DA - (B) - Ratio	0.1	4	293	130	119	9		300	130	124	12
CNVM02 - 607□DA - (B) - Ratio	0.2	4	311	130	124	10		339	130	124	13
CNVM01 - 609□DA - (B) - Ratio	0.1	4	352	130	119	16		359	130	124	17
CNVM02 - 609□DA - (B) - Ratio	0.2	4	370	130	124	17		398	130	124	18
CNVM03 - 609□DA - (B) - Ratio	0.25	4	370	130	124	17		398	130	124	18
CNVM05 - 609□DA - (B) - Ratio	0.4	4	386	130	124	18		418	130	124	19
CNVM01 - 610□DA - (B) - Ratio	0.1	4	366	130	119	17		373	130	124	18
CNVM02 - 610□DA - (B) - Ratio	0.2	4	384	130	124	18		412	130	124	19
CNVM03 - 610□DA - (B) - Ratio	0.25	4	384	130	124	18		412	130	124	19
CNVM05 - 610□DA - (B) - Ratio	0.4	4	400	130	124	19		432	130	124	20
CNVM01 - 612□DA - (B) - Ratio	0.1	4	402	130	119	29		409	130	124	30
CNVM02 - 612□DA - (B) - Ratio	0.2	4	420	130	124	30		448	130	124	31
CNVM03 - 612□DA - (B) - Ratio	0.25	4	420	130	124	30		448	130	124	31
CNVM05 - 612□DA - (B) - Ratio	0.4	4	436	130	124	31		468	130	124	32
CNVM01 - 612□DB - (B) - Ratio	0.1	4	414	130	119	32		421	130	124	34
CNVM02 - 612□DB - (B) - Ratio	0.2	4	432	130	124	33		473	130	124	35
CNVM03 - 612□DB - (B) - Ratio	0.25	4	432	130	124	33		473	130	124	35
CNVM05 - 612□DB - (B) - Ratio	0.4	4	448	130	124	34		473	130	124	36
CNVM08 - 612□DB - (B) - Ratio	0.55	4	489	140	148	38		532	140	148	41
CNVM1 - 612□DB - (B) - Ratio	0.75	4	489	140	148	38		532	140	148	41
CNVM1H - 612□DB - (B) - Ratio	1.1	4	516	145	160	42		578	145	160	47
CNVM2 - 612□DB - (B) - Ratio	1.5	4	516	145	160	42		578	145	160	47

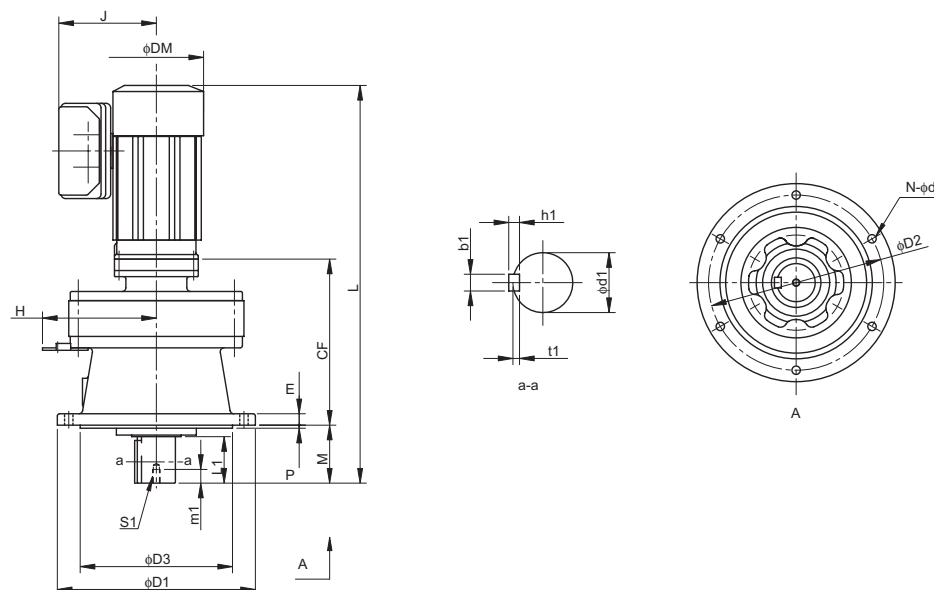
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

6. "B" after the frame size indicates models equipped with brake.

7. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

8. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 613□DA to 614□DC

Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
613□DA	218	260	230	200	76	15	4	6	11	150	50	61	14	9	5.5	M10	18
613□DB	227	260	230	200	76	15	4	6	11	150	50	61	14	9	5.5	M10	18
613□DC	241	260	230	200	76	15	4	6	11	-	50	61	14	9	5.5	M10	18
614□DA	218	260	230	200	96	15	4	6	11	150	50	81	14	9	5.5	M10	18
614□DB	227	260	230	200	96	15	4	6	11	150	50	81	14	9	5.5	M10	18
614□DC	241	260	230	200	96	15	4	6	11	-	50	81	14	9	5.5	M10	18

Model Note 5, 6	Motor		Standard					With Brake			
	kW	P	L	J	DM	W(kg)		L	J	DM	W(kg)
CVVM02 - 613□DA - (B) - Ratio	0.2	4	474	130	124	45		502	130	124	45
CVVM03 - 613□DA - (B) - Ratio	0.25	4	494	130	124	45		522	130	124	45
CVVM05 - 613□DA - (B) - Ratio	0.4	4	490	130	124	48		522	130	124	49
CVVM02 - 613□DB - (B) - Ratio	0.2	4	483	130	124	48		511	130	124	50
CVVM03 - 613□DB - (B) - Ratio	0.25	4	483	130	124	48		511	130	124	50
CVVM05 - 613□DB - (B) - Ratio	0.4	4	499	130	124	49		531	130	124	51
CVVM08 - 613□DB - (B) - Ratio	0.55	4	540	140	148	53		583	140	148	56
CVVM1 - 613□DB - (B) - Ratio	0.75	4	540	140	148	53		583	140	148	56
CVVM1H - 613□DB - (B) - Ratio	1.1	4	573	145	160	57		635	145	160	62
CVVM2 - 613□DB - (B) - Ratio	1.5	4	573	145	160	57		635	145	160	62
CVVM08 - 613□DC - (B) - Ratio	0.55	4	554	140	148	56		597	140	148	59
CVVM1 - 613□DC - (B) - Ratio	0.75	4	554	140	148	56		597	140	148	59
CVVM2 - 613□DC - (B) - Ratio	1.5	4	587	145	160	60		649	145	160	65
CVVM3 - 613□DC - (B) - Ratio	2.2	4	607	152	173	64		670	152	173	70
CVVM02 - 614□DA - (B) - Ratio	0.2	4	494	123	124	45		522	123	124	46
CVVM03 - 614□DA - (B) - Ratio	0.25	4	494	123	124	45		522	123	124	46
CVVM05 - 614□DA - (B) - Ratio	0.4	4	510	123	124	48		542	123	124	49
CVVM02 - 614□DB - (B) - Ratio	0.2	4	503	123	124	48		531	123	124	50
CVVM03 - 614□DB - (B) - Ratio	0.25	4	503	123	124	48		531	123	124	50
CVVM05 - 614□DB - (B) - Ratio	0.4	4	519	123	124	49		551	123	124	51
CVVM08 - 614□DB - (B) - Ratio	0.55	4	560	140	148	53		603	140	148	56
CVVM1 - 614□DB - (B) - Ratio	0.75	4	560	140	148	53		603	140	148	56
CVVM1H - 614□DB - (B) - Ratio	1.1	4	593	145	160	57		655	145	160	62
CVVM2 - 614□DB - (B) - Ratio	1.5	4	593	145	160	57		655	145	160	62
CVVM08 - 614□DC - (B) - Ratio	0.55	4	574	140	148	54		617	140	148	57
CVVM1 - 614□DC - (B) - Ratio	0.75	4	574	140	148	54		617	140	148	57
CVVM1H - 614□DC - (B) - Ratio	1.1	4	607	145	160	58		669	145	160	63
CVVM2 - 614□DC - (B) - Ratio	1.5	4	607	145	160	58		669	145	160	63
CVVM3 - 614□DC - (B) - Ratio	2.2	4	627	152	173	62		690	152	173	68

Note: 1. □ indicates motor capacity.

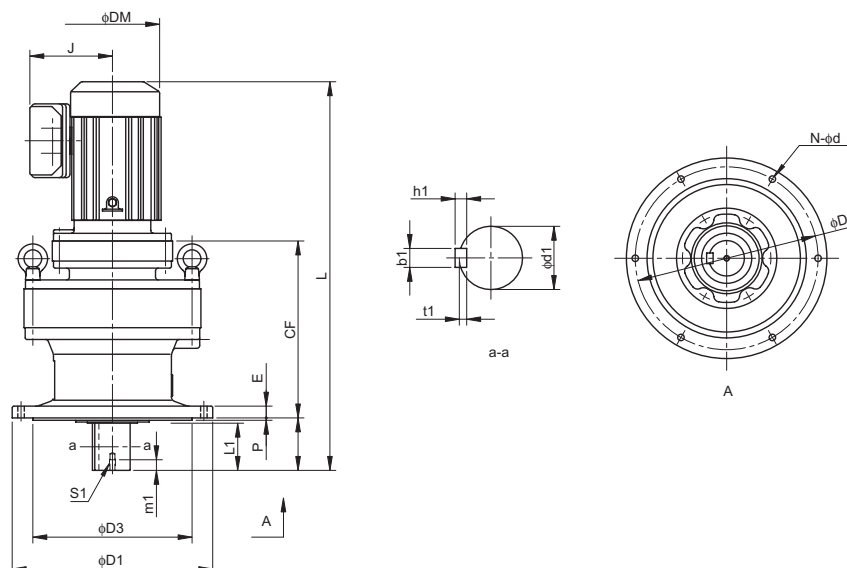
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter (φD3): Dimension tolerance conforms to JIS B 0401-1976 "f8."

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 616□DA to 618□DA



Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
616□DA	285	340	310	270	89	20	4	6	11	-	60	80	18	11	7	M10	18
616□DB	299	340	310	270	89	20	4	6	11	-	60	80	18	11	7	M10	18
617□DA	324	400	360	316	94	22	5	8	14	-	70	84	20	12	7.5	M12	24
617□DB	338	400	360	316	94	22	5	8	14	-	70	84	20	12	7.5	M12	24
618□DA	364	430	390	345	110	22	5	8	18	-	80	100	22	14	9	M12	24

Model Note 5, 6	Motor		Standard				With Brake			
	kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM02 - 616□DA - (B) - Ratio	0.2	4	554	130	124	84	581	130	124	86
CVVM03 - 616□DA - (B) - Ratio	0.25	4	554	130	124	84	581	130	124	86
CVVM05 - 616□DA - (B) - Ratio	0.4	4	570	130	124	85	601	130	124	87
CVVM08 - 616□DA - (B) - Ratio	0.55	4	611	140	148	89	653	140	148	92
CVVM1 - 616□DA - (B) - Ratio	0.75	4	611	140	148	89	653	140	148	92
CVVM1H - 616□DA - (B) - Ratio	1.1	4	643	145	160	93	705	145	160	98
CVVM2 - 616□DA - (B) - Ratio	1.5	4	643	145	160	93	705	145	160	98
CVVM08 - 616□DB - (B) - Ratio	0.55	4	625	140	148	91	667	140	148	94
CVVM1 - 616□DB - (B) - Ratio	0.75	4	625	140	148	91	667	140	148	94
CVVM1H - 616□DB - (B) - Ratio	1.1	4	658	145	160	95	719	145	160	100
CVVM2 - 616□DB - (B) - Ratio	1.5	4	658	145	160	95	719	145	160	100
CVVM3 - 616□DB - (B) - Ratio	2.2	4	678	152	173	99	740	152	173	105
CVVM02 - 617□DA - (B) - Ratio	0.2	4	598	130	124	120	626	130	124	122
CVVM03 - 617□DA - (B) - Ratio	0.25	4	598	130	124	120	626	130	124	122
CVVM05 - 617□DA - (B) - Ratio	0.4	4	614	130	124	121	646	130	124	123
CVVM08 - 617□DA - (B) - Ratio	0.55	4	655	140	148	125	698	140	148	128
CVVM1 - 617□DA - (B) - Ratio	0.75	4	655	140	148	125	698	140	148	128
CVVM1H - 617□DA - (B) - Ratio	1.1	4	688	145	160	129	750	145	160	134
CVVM2 - 617□DA - (B) - Ratio	1.5	4	688	145	160	129	750	145	160	134
CVVM08 - 617□DB - (B) - Ratio	0.55	4	669	140	148	122	712	140	148	129
CVVM1 - 617□DB - (B) - Ratio	0.75	4	669	140	148	122	712	140	148	129
CVVM1H - 617□DB - (B) - Ratio	1.1	4	702	145	160	131	764	145	160	136
CVVM2 - 617□DB - (B) - Ratio	1.5	4	702	145	160	131	764	145	160	136
CVVM3 - 617□DB - (B) - Ratio	2.2	4	722	152	173	135	785	152	173	141
CVVM05 - 618□DA - (B) - Ratio	0.4	4	670	130	124	154	702	130	124	156
CVVM08 - 618□DA - (B) - Ratio	0.55	4	711	140	148	158	754	140	148	161
CVVM1 - 618□DA - (B) - Ratio	0.75	4	711	140	148	158	754	140	148	161
CVVM1H - 618□DA - (B) - Ratio	1.1	4	744	145	160	162	806	145	160	167
CVVM2 - 618□DA - (B) - Ratio	1.5	4	744	145	160	162	806	145	160	167
CVVM3 - 618□DA - (B) - Ratio	2.2	4	764	152	173	166	827	152	173	172

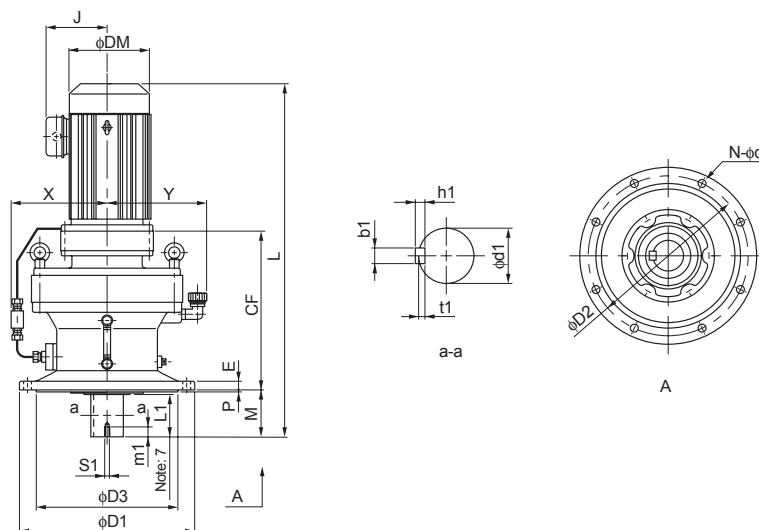
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

6. "B" after the frame size indicates models equipped with brake.

7. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

8. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 616□DC to 618□DB

Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
616□DC	300	340	310	270	89	20	4	6	11	196	200	60	80	18	11	7	M10	18
617□DC	342	400	360	316	94	22	5	8	14	218	225	70	84	20	12	7.5	M12	24
618□DB	386	430	390	345	110	22	5	8	18	233	240	80	100	22	14	9	M12	24

Model Note 5, 6	Motor		Standard				With Brake			
	kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM1H - 616□DC - (B) - Ratio	1.1	4	659	145	160	103	721	145	160	108
CVVM2 - 616□DC - (B) - Ratio	1.5	4	659	145	160	103	721	145	160	108
CVVM3 - 616□DC - (B) - Ratio	2.2	4	679	152	173	107	742	152	173	114
CVVM4 - 616□DC - (B) - Ratio	3.0	4	702	168	212	117	774	168	212	127
CVVM5 - 616□DC - (B) - Ratio	3.7	4	702	168	212	117	774	168	212	127
CVVM8 - 616□DC - (B) - Ratio	5.5	4	746	168	212	127	818	168	212	131
CVVM1H - 617□DC - (B) - Ratio	1.1	4	706	145	160	138	768	145	160	143
CVVM2 - 617□DC - (B) - Ratio	1.5	4	706	145	160	138	768	145	160	143
CVVM3 - 617□DC - (B) - Ratio	2.2	4	726	152	173	142	789	152	173	152
CVVM4 - 617□DC - (B) - Ratio	3.0	4	749	168	212	152	821	168	212	165
CVVM5 - 617□DC - (B) - Ratio	3.7	4	749	168	212	152	821	168	212	165
CVVM8 - 617□DC - (B) - Ratio	5.5	4	793	168	212	162	865	168	212	172
CVVM1H - 618□DB - (B) - Ratio	1.1	4	766	145	160	179	828	145	160	184
CVVM2 - 618□DB - (B) - Ratio	1.5	4	766	145	160	179	828	145	160	184
CVVM3 - 618□DB - (B) - Ratio	2.2	4	786	152	173	183	849	152	173	190
CVVM4 - 618□DB - (B) - Ratio	3.0	4	809	168	212	193	881	168	212	203
CVVM5 - 618□DB - (B) - Ratio	3.7	4	809	168	212	193	881	168	212	203
CVVM8 - 618□DB - (B) - Ratio	5.5	4	853	168	212	200	925	168	212	210
CVVM10 - 618□DB - (B) - Ratio	7.5	4	876	213	251	215	971	213	251	231
CVVM15 - 618□DB - (B) - Ratio	11	4	936	213	251	229	1031	213	251	247

Note: 1. □ indicates motor capacity.

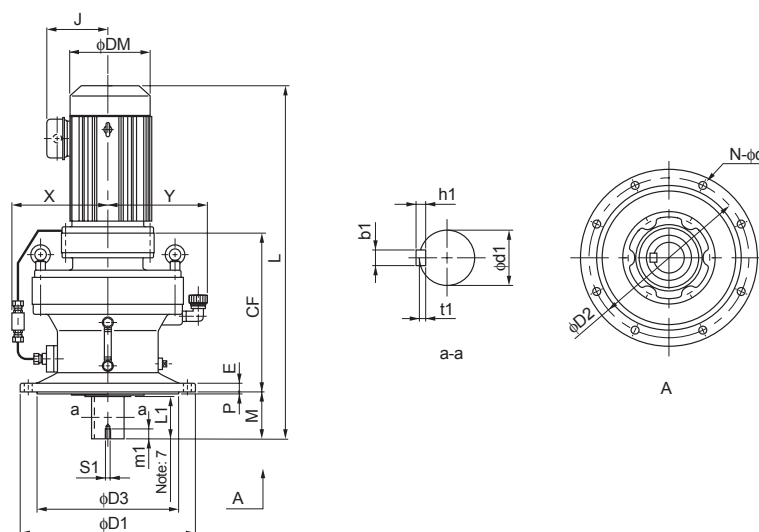
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "f8."

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 619□DA to 619□DB



GEARMOTORS

 Dimension Tables
CVVM

Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
619□DA	411	490	450	400	145	30	6	12	18	255	270	95	125	25	14	9	M20	34
619□DB	427	490	450	400	145	30	6	12	18	255	270	95	125	25	14	9	M20	34

Model Note 5, 6	Motor		Standard				With Brake			
	kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM1 - 619□DA - (B) - Ratio	0.75	4	793	140	148	238	836	140	148	241
CVVM1H - 619□DA - (B) - Ratio	1.1	4	826	145	160	242	888	145	160	247
CVVM2 - 619□DA - (B) - Ratio	1.5	4	826	145	160	242	888	145	160	247
CVVM3 - 619□DA - (B) - Ratio	2.2	4	846	152	173	246	909	152	173	253
CVVM4 - 619□DA - (B) - Ratio	3.0	4	869	168	212	256	941	168	212	266
CVVM5 - 619□DA - (B) - Ratio	3.7	4	869	168	212	256	941	168	212	266
CVVM8 - 619□DA - (B) - Ratio	5.5	4	913	168	212	263	985	168	212	273
CVVM2 - 619□DB - (B) - Ratio	1.5	4	842	145	160	249	904	145	160	254
CVVM3 - 619□DB - (B) - Ratio	2.2	4	862	152	173	253	925	152	173	260
CVVM4 - 619□DB - (B) - Ratio	3.0	4	885	168	212	263	957	168	212	273
CVVM5 - 619□DB - (B) - Ratio	3.7	4	885	168	212	263	957	168	212	273
CVVM8 - 619□DB - (B) - Ratio	5.5	4	929	168	212	270	1001	168	212	280
CVVM10 - 619□DB - (B) - Ratio	7.5	4	952	213	251	285	1047	213	251	303
CVVM15 - 619□DB - (B) - Ratio	11	4	1012	213	251	299	1107	213	251	317
CVVM20 - 619□DB - (B) - Ratio	15	4	1102	261	324	351	1207	261	324	385

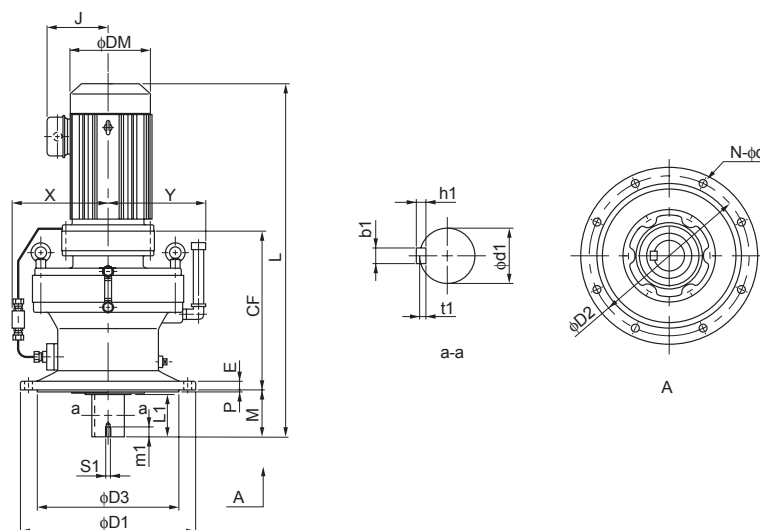
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

6. "B" after the frame size indicates models equipped with brake.

7. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

8. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 6205DA to 6215DA

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 6						
												d1	L1	b1	h1	t1	S1	m1
6205DA	393	455	405	355	204	30	5	8	22	341	287	100	165	28	16	10	M20	34
6205DB	420	455	405	355	204	30	5	8	22	341	287	100	165	28	16	10	M20	34
6215DA	447	490	440	390	203	35	7	8	24	348	306	110	165	28	16	10	M20	34

Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM1 - 6205DA - (B) - Ratio		0.75	4	834	140	148	254	877	140	148	257
CVVM2 - 6205DA - (B) - Ratio		1.5	4	867	145	160	257	929	145	160	263
CVVM3 - 6205DA - (B) - Ratio		2.2	4	887	152	173	262	949	152	173	269
CVVM4 - 6205DA - (B) - Ratio		3.0	4	910	168	212	272	982	168	212	282
CVVM5 - 6205DA - (B) - Ratio		3.7	4	910	168	212	272	982	168	212	282
CVVM8 - 6205DA - (B) - Ratio		5.5	4	954	168	212	279	1026	168	212	289
CVVM3 - 6205DB - (B) - Ratio		2.2	4	914	152	173	274	977	152	173	281
CVVM4 - 6205DB - (B) - Ratio		3.0	4	937	168	212	284	1009	168	212	294
CVVM5 - 6205DB - (B) - Ratio		3.7	4	937	168	212	284	1009	168	212	301
CVVM8 - 6205DB - (B) - Ratio		5.5	4	981	168	212	291	1053	168	212	324
CVVM10 - 6205DB - (B) - Ratio		7.5	4	1004	213	251	306	1099	213	251	347
CVVM15 - 6205DB - (B) - Ratio		11	4	1064	213	251	320	1159	213	251	361
CVVM20 - 6205DB - (B) - Ratio		15	4	1154	259	324	372	1249	259	324	429
CVVM2 - 6215DA - (B) - Ratio		1.5	4	920	145	160	331	982	145	160	336
CVVM3 - 6215DA - (B) - Ratio		2.2	4	940	152	173	334	1003	152	173	341
CVVM4 - 6215DA - (B) - Ratio		3.0	4	963	168	212	344	1035	168	212	354
CVVM5 - 6215DA - (B) - Ratio		3.7	4	963	168	212	344	1035	168	212	354
CVVM8 - 6215DA - (B) - Ratio		5.5	4	1007	168	212	351	1079	168	212	361
CVVM10 - 6215DA - (B) - Ratio		7.5	4	1030	213	251	366	1125	213	251	384
CVVM15 - 6215DA - (B) - Ratio		11	4	1090	213	251	380	1185	213	251	398
CVVM20 - 6215DA - (B) - Ratio		15	4	1180	161	324	432	1285	161	324	466

Note: 1. $\square$ indicates motor capacity.

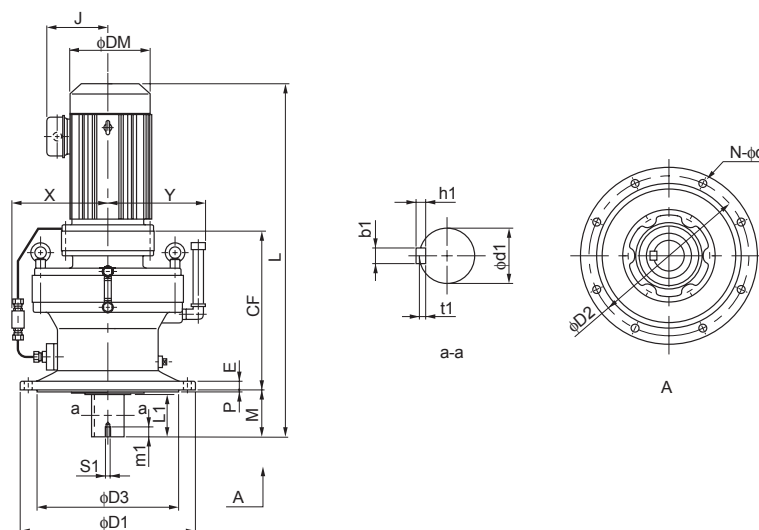
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "f8."

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 6215DB to 6225DB



GEARMOTORS

Dimension Tables
CVVM

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 6						
												d1	L1	b1	h1	t1	S1	m1
6215DB	472	490	440	390	203	35	7	8	24	348	306	110	165	28	16	10	M20	34
6225DA	482	535	475	415	210	35	10	8	27	352	326	120	165	32	18	11	M20	34
6225DB	525	535	475	415	210	35	10	8	27	352	326	120	165	32	18	11	M20	34

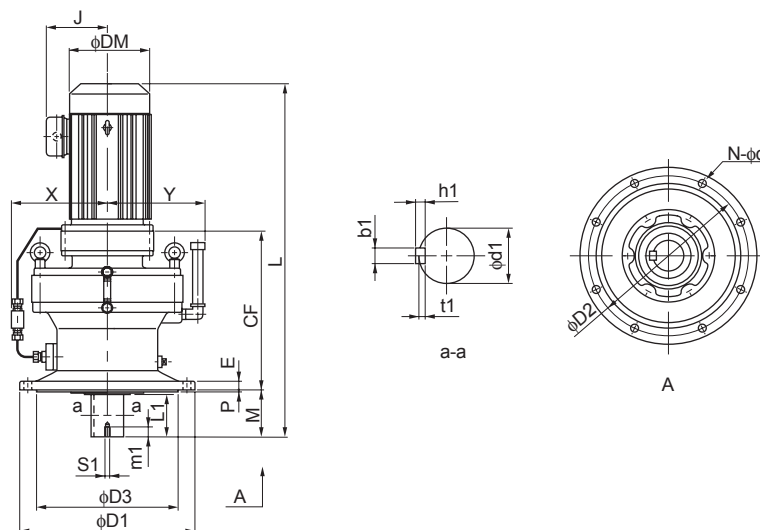
Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM5 - 6215DB - (B) - Ratio		3.7	4	993	168	212	377	1065	168	212	387
CVVM8 - 6215DB - (B) - Ratio		5.5	4	1037	168	212	384	1109	168	212	400
CVVM10 - 6215DB - (B) - Ratio		7.5	4	1060	213	251	400	1155	213	251	417
CVVM15 - 6215DB - (B) - Ratio		11	4	1120	213	251	414	1215	213	251	431
CVVM20 - 6215DB - (B) - Ratio		15	4	1205	261	324	467	1310	261	324	500
CVVM25 - 6215DB - (B) - Ratio		18.5	4	1300	328	394	543	1465	328	394	587
CVVM30 - 6215DB - (B) - Ratio		22	4	1300	328	394	543	1465	328	394	587
CVVM2 - 6225DA - (B) - Ratio		1.5	4	962	145	160	420	1024	145	160	425
CVVM3 - 6225DA - (B) - Ratio		2.2	4	982	152	173	423	1045	152	173	430
CVVM4 - 6225DA - (B) - Ratio		3.0	4	1005	168	212	433	1077	168	212	443
CVVM5 - 6225DA - (B) - Ratio		3.7	4	1005	168	212	433	1077	168	212	443
CVVM8 - 6225DA - (B) - Ratio		5.5	4	1049	168	212	440	1121	168	212	450
CVVM10 - 6225DA - (B) - Ratio		7.5	4	1072	213	251	455	1167	213	251	473
CVVM15 - 6225DA - (B) - Ratio		11	4	1132	213	251	469	1227	213	251	486
CVVM20 - 6225DA - (B) - Ratio		15	4	1222	261	324	521	1327	261	324	554
CVVM5 - 6225DB - (B) - Ratio		3.7	4	1058	168	212	479	1130	168	212	490
CVVM8 - 6225DB - (B) - Ratio		5.5	4	1102	168	212	486	1174	168	212	497
CVVM10 - 6225DB - (B) - Ratio		7.5	4	1125	213	251	501	1220	213	251	519
CVVM15 - 6225DB - (B) - Ratio		11	4	1185	213	251	515	1280	213	251	533
CVVM20 - 6225DB - (B) - Ratio		15	4	1265	261	324	569	1370	261	324	603
CVVM25 - 6225DB - (B) - Ratio		18.5	4	1360	328	394	661	1525	328	394	685
CVVM30 - 6225DB - (B) - Ratio		22	4	1360	328	394	661	1525	328	394	685
CVVM40 - 6225DB - (B) - Ratio		30	4	1360	328	394	678	1525	328	394	721

Note: 5. "B" after the frame size indicates models equipped with brake.

6. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 6235DA to 6245DB

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 6						
												d1	L1	b1	h1	t1	S1	m1
6235DA	529	570	510	450	250	40	10	8	27	359	344	130	200	32	18	11	M24	41
6235DB	551	570	510	450	250	40	10	8	27	359	344	130	200	32	18	11	M24	41
6245DA	566	635	560	485	250	40	10	8	33	370	371	140	200	36	20	12	M24	41
6245DB	587	635	560	485	250	40	10	8	33	370	371	140	200	36	20	12	M24	41

Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM3 - 6235DA - (B) - Ratio		2.2	4	1069	152	173	523	1131	152	173	529
CVVM4 - 6235DA - (B) - Ratio		3.0	4	1091	168	212	532	1163	168	212	542
CVVM5 - 6235DA - (B) - Ratio		3.7	4	1091	168	212	532	1163	168	212	542
CVVM8 - 6235DA - (B) - Ratio		5.5	4	1135	168	212	539	1207	168	212	549
CVVM10 - 6235DA - (B) - Ratio		7.5	4	1163	213	251	555	1258	213	251	572
CVVM15 - 6235DA - (B) - Ratio		11	4	1223	213	251	569	1318	213	251	586
CVVM20 - 6235DA - (B) - Ratio		15	4	1309	261	324	622	1413	261	324	656
CVVM25 - 6235DA - (B) - Ratio		18.5	4	1403	328	394	698	1568	328	394	742
CVVM30 - 6235DA - (B) - Ratio		22	4	1403	328	394	698	1568	328	394	742
CVVM15 - 6235DB - (B) - Ratio		11	4	1245	213	251	601	1340	213	251	619
CVVM20 - 6235DB - (B) - Ratio		15	4	1330	261	324	663	1435	261	324	697
CVVM25 - 6235DB - (B) - Ratio		18.5	4	1425	328	394	730	1590	328	394	781
CVVM30 - 6235DB - (B) - Ratio		22	4	1425	328	394	730	1590	328	394	781
CVVM40 - 6235DB - (B) - Ratio		30	4	1425	328	394	744	1590	328	394	787
CVVM50 - 6235DB - (B) - Ratio		37	4	1540	328	394	792	1755	328	394	889
CVVM3 - 6245DA - (B) - Ratio		2.2	4	1106	152	173	617	1169	152	173	623
CVVM4 - 6245DA - (B) - Ratio		3.0	4	1129	168	212	626	1201	168	212	636
CVVM5 - 6245DA - (B) - Ratio		3.7	4	1129	168	212	626	1201	168	212	636
CVVM8 - 6245DA - (B) - Ratio		5.5	4	1173	168	212	633	1245	168	212	643
CVVM10 - 6245DA - (B) - Ratio		7.5	4	1201	213	251	649	1296	213	251	666
CVVM15 - 6245DA - (B) - Ratio		11	4	1261	213	251	663	1356	213	251	680
CVVM20 - 6245DA - (B) - Ratio		15	4	1346	261	324	716	1451	261	324	750
CVVM25 - 6245DA - (B) - Ratio		18.5	4	1441	328	394	792	1606	328	394	845
CVVM30 - 6245DA - (B) - Ratio		22	4	1441	328	394	792	1606	328	394	845
CVVM15 - 6245DB - (B) - Ratio		11	4	1282	213	251	690	1377	213	251	708
CVVM20 - 6245DB - (B) - Ratio		15	4	1367	261	324	750	1472	261	324	779
CVVM25 - 6245DB - (B) - Ratio		18.5	4	1462	328	394	816	1627	328	394	867
CVVM30 - 6245DB - (B) - Ratio		22	4	1462	328	394	816	1627	328	394	867
CVVM40 - 6245DB - (B) - Ratio		30	4	1462	328	394	833	1627	328	394	876
CVVM50 - 6245DB - (B) - Ratio		37	4	1577	328	394	881	1792	328	394	978

Note: 1. $\square$ indicates motor capacity.

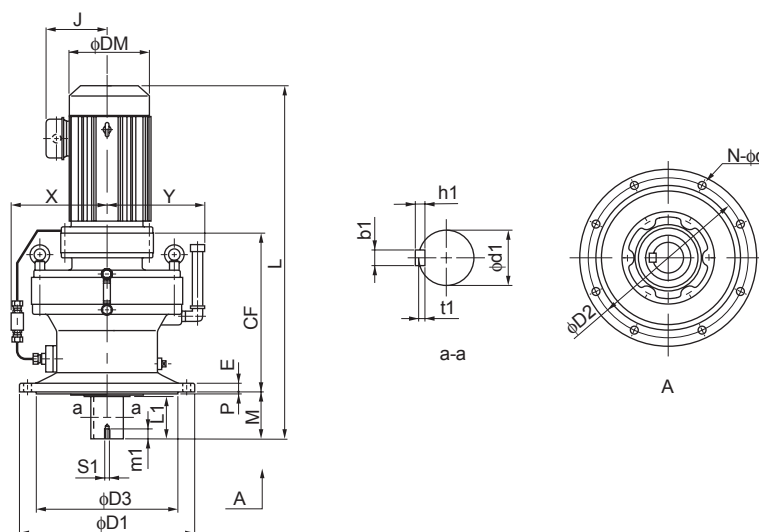
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "f8."

Dimension Tables Gearmotors (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 6255DA to 6275DA



GEARMOTORS

Dimension Tables
CVVM

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft ^{Note 2, 3, 6}						
												d1	L1	b1	h1	t1	S1	m1
6255DA	661	685	610	535	295	45	10	8	33	395	399	160	240	40	22	13	M30	49
6255DB	684	685	610	535	295	45	10	8	33	395	399	160	240	40	22	13	M30	49
6265DA	728	750	660	570	360	50	10	8	39	427	431	170	300	40	22	13	M30	49
6275DA	994	1160	1020	900	355	60	10	8	39	610	613	180	320	45	25	15	M30	52

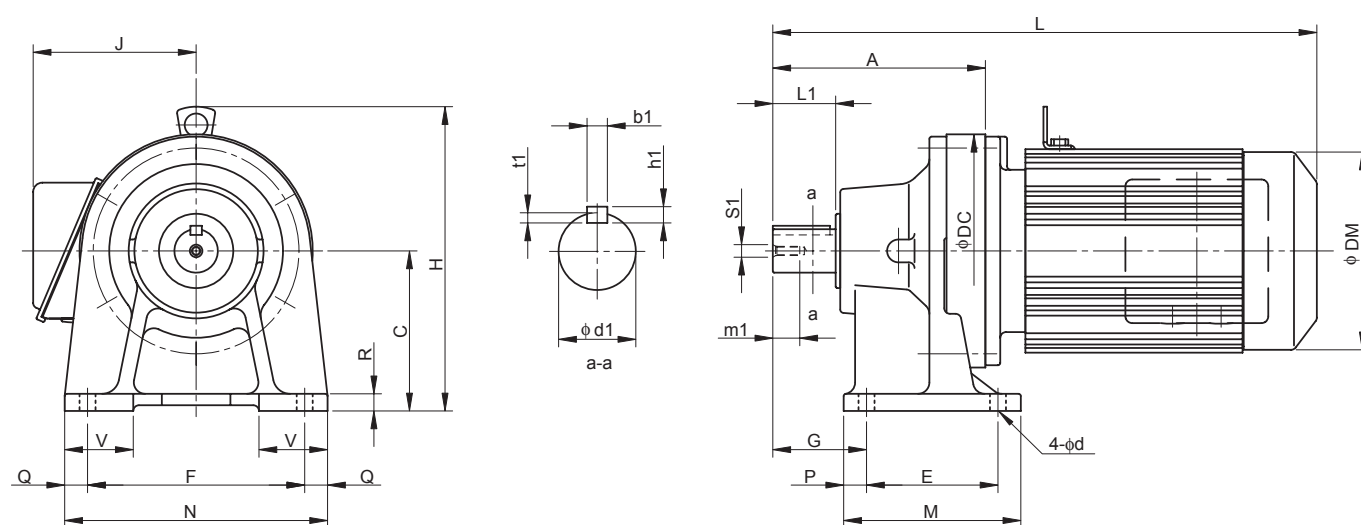
Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM5 - 6255DA - (B) - Ratio		3.7	4	1284	168	212	947	1356	168	212	957
CVVM8 - 6255DA - (B) - Ratio		5.5	4	1328	168	212	954	1400	168	212	964
CVVM10 - 6255DA - (B) - Ratio		7.5	4	1346	213	251	969	1441	213	251	984
CVVM15 - 6255DA - (B) - Ratio		11	4	1406	213	251	983	1501	213	251	998
CVVM20 - 6255DA - (B) - Ratio		15	4	1486	261	324	1041	1591	261	324	1077
CVVM25 - 6255DA - (B) - Ratio		18.5	4	1581	328	394	1110	1746	328	394	1161
CVVM30 - 6255DA - (B) - Ratio		22	4	1581	328	394	1110	1746	328	394	1161
CVVM40 - 6255DA - (B) - Ratio		30	4	1581	328	394	1129	1746	328	394	1172
CVVM15 - 6255DB - (B) - Ratio		11	4	1443	213	251	1059	1538	213	251	1074
CVVM20 - 6255DB - (B) - Ratio		15	4	1508	261	324	1109	1613	261	324	1143
CVVM25 - 6255DB - (B) - Ratio		18.5	4	1603	328	394	1185	1768	328	394	1236
CVVM30 - 6255DB - (B) - Ratio		22	4	1603	328	394	1185	1768	328	394	1236
CVVM40 - 6255DB - (B) - Ratio		30	4	1603	328	394	1200	1768	328	394	1243
CVVM50 - 6255DB - (B) - Ratio		37	4	1718	328	394	1238	1928	328	394	1335
CVVM60 - 6255DB - (B) - Ratio		45	4	1718	328	394	1238	1928	328	394	1335
CVVM8 - 6265DA - (B) - Ratio		5.5	4	1480	168	212	1296	1552	168	212	1306
CVVM10 - 6265DA - (B) - Ratio		7.5	4	1493	213	251	1309	1588	213	251	1329
CVVM15 - 6265DA - (B) - Ratio		11	4	1553	213	251	1326	1648	213	251	1341
CVVM20 - 6265DA - (B) - Ratio		15	4	1618	261	324	1376	1723	261	324	1412
CVVM25 - 6265DA - (B) - Ratio		18.5	4	1713	328	394	1455	1878	328	394	1500
CVVM30 - 6265DA - (B) - Ratio		22	4	1713	328	394	1455	1878	328	394	1500
CVVM40 - 6265DA - (B) - Ratio		30	4	1713	328	394	1470	1878	328	394	1513
CVVM50 - 6265DA - (B) - Ratio		37	4	1828	328	394	1505	2043	328	394	1598
CVVM60 - 6265DA - (B) - Ratio		45	4	1828	328	394	1505	2043	328	394	1598
CVVM10 - 6275DA - (B) - Ratio		7.5	4	1754	213	251	2694	1849	213	251	2714
CVVM15 - 6275DA - (B) - Ratio		11	4	1814	213	251	2708	1909	213	251	2723
CVVM20 - 6275DA - (B) - Ratio		15	4	1879	261	324	2761	1984	261	324	2797
CVVM25 - 6275DA - (B) - Ratio		18.5	4	1974	328	394	2840	2139	328	394	2885
CVVM30 - 6275DA - (B) - Ratio		22	4	1974	328	394	2840	2139	328	394	2885
CVVM40 - 6275DA - (B) - Ratio		30	4	1974	328	394	2855	2139	328	394	2898
CVVM50 - 6275DA - (B) - Ratio		37	4	2089	328	394	2890	2304	328	394	2983
CVVM60 - 6275DA - (B) - Ratio		45	4	2089	328	394	2890	2304	328	394	2983

Note: 5. "B" after the frame size indicates models equipped with brake.

6. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 610H, 612H (Center Height Option)

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 5						
														d1	L1	b1	h1	t1	S1	m1
610H	156	120	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20
612H	186	140	204	115	190	82	155	230	20	20	15	60	14	38	55	10	8	5	M8	20

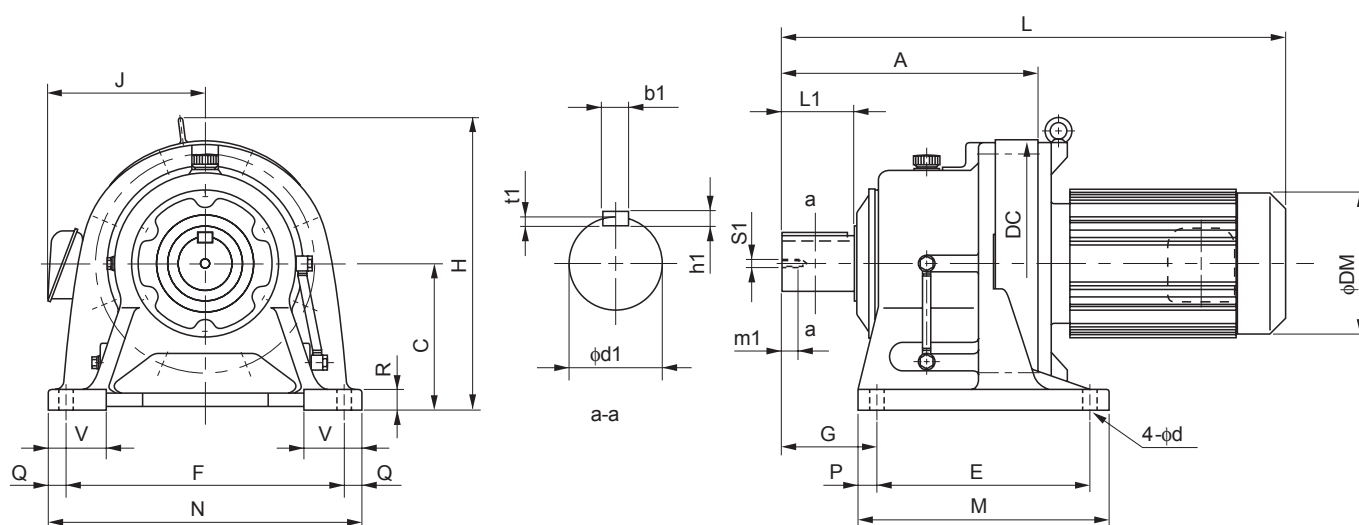
Model	Note 4	Motor		Standard					With Brake				
		kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CNHM02 - 610H	- (B) - Ratio	0.2	4	336	207	130	124	19	364	207	130	124	21
CNHM03 - 610H	- (B) - Ratio	0.25	4	336	207	130	124	19	364	207	130	124	21
CNHM05 - 610H	- (B) - Ratio	0.4	4	352	207	130	124	20	384	207	130	124	22
CNHM08 - 610H	- (B) - Ratio	0.55	4	393	213	140	148	24	436	213	140	148	27
CNHM1 - 610H	- (B) - Ratio	0.75	4	393	213	140	148	24	436	213	140	148	27
CNHM1H - 610H	- (B) - Ratio	1.1	4	426	220	145	160	28	488	220	145	160	33
CNHM2 - 610H	- (B) - Ratio	1.5	4	426	220	145	160	28	488	220	145	160	33
CNHM3 - 610H	- (B) - Ratio	2.2	4	446	226	152	173	32	509	226	152	173	38
CNHM05 - 612H	- (B) - Ratio	0.4	4	387	257	130	124	31	419	257	130	124	33
CNHM08 - 612H	- (B) - Ratio	0.55	4	423	233	140	148	33	466	233	140	148	36
CNHM1 - 612H	- (B) - Ratio	0.75	4	423	233	140	148	33	466	233	140	148	36
CNHM1H - 612H	- (B) - Ratio	1.1	4	456	240	145	160	37	518	240	145	160	42
CNHM2 - 612H	- (B) - Ratio	1.5	4	456	240	145	160	37	518	240	145	160	42
CNHM3 - 612H	- (B) - Ratio	2.2	4	476	246	152	173	51	539	246	152	173	48
CNHM4 - 612H	- (B) - Ratio	3.0	4	499	266	168	212	51	571	266	168	212	61
CNHM5 - 612H	- (B) - Ratio	3.7	4	499	266	168	212	51	571	266	168	212	61
CNHM8 - 612H	- (B) - Ratio	5.5	4	543	266	168	212	58	615	266	168	212	68

Note: 1. $\square$ indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 614H, 616H (Center Height Option)

GEARMOTORS

Dimension Tables
Center Height Option

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 5						
														d1	L1	b1	h1	t1	S1	m1
614H	260	160	230	145	290	120	195	330	25	20	22	65	18	50	90	14	9	5.5	M10	18
616H	308	200	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18

Model Note 4	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CHHM1 - 614H - (B) - Ratio	0.75	4	497	268	140	148	52		540	268	140	148	57	
CHHM1H - 614H - (B) - Ratio	1.1	4	530	268	145	160	58		592	268	145	160	63	
CHHM2 - 614H - (B) - Ratio	1.5	4	530	268	145	160	58		592	268	145	160	63	
CHHM3 - 614H - (B) - Ratio	2.2	4	550	274	152	173	61		613	274	152	173	68	
CHHM4 - 614H - (B) - Ratio	3.0	4	573	296	168	212	71		645	296	168	212	81	
CHHM5 - 614H - (B) - Ratio	3.7	4	573	296	168	212	71		645	296	168	212	81	
CHHM8 - 614H - (B) - Ratio	5.5	4	617	296	168	212	78		689	296	168	212	88	
CHHM10 - 614H - (B) - Ratio	7.5	4	640	323	213	251	93		735	323	213	251	111	
CHHM15 - 614H - (B) - Ratio	11	4	700	323	213	251	107		795	323	213	251	125	
*CHHM20 - 614H - (B) - Ratio	15	4	790	358	261	324	159		880	321	261	324	193	
CHHM1H - 616H - (B) - Ratio	1.1	4	583	310	145	160	99		645	310	145	160	104	
CHHM2 - 616H - (B) - Ratio	1.5	4	583	310	145	160	99		645	310	145	160	104	
CHHM3 - 616H - (B) - Ratio	2.2	4	598	310	152	173	102		661	310	152	173	108	
CHHM4 - 616H - (B) - Ratio	3.0	4	621	310	168	212	111		693	310	168	212	121	
CHHM5 - 616H - (B) - Ratio	3.7	4	621	310	168	212	111		693	310	168	212	121	
CHHM8 - 616H - (B) - Ratio	5.5	4	665	310	168	212	118		737	310	168	212	128	
CHHM10 - 616H - (B) - Ratio	7.5	4	693	333	213	251	134		788	333	213	251	151	
CHHM15 - 616H - (B) - Ratio	11	4	753	333	213	251	148		848	333	213	251	165	
CHHM20 - 616H - (B) - Ratio	15	4	838	368	261	324	201		928	368	261	324	235	
CHHM25 - 616H - (B) - Ratio	18.5	4	933	368	328	394	277		1098	368	328	394	328	
CHHM30 - 616H - (B) - Ratio	22	4	933	368	328	394	277		1098	368	328	394	328	

*** indicates models with bottom level of the motor lower than the reducer base.

Note: 4. "B" after the frame size indicates models equipped with brake.

5. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

6. Dimensions in above drawings are subject to change without notice.

M E M O

GEARMOTORS

Dimension
Tables

C

REDUCERS

CYCLO® SPEED REDUCERS

	Page
1. How to Select	
Standard Specifications	C-3
Model Selection	C-4
Selection of Load Factor	C-7
Nomenclature	C-9
2. Selection Tables	C-11
3. Dimension Tables	C-69

C CYCLO® SPEED REDUCER

1. How to Select

Standard Specifications of Reducer

		CYCLO® DRIVE 6000 Series	CYCLO® DRIVE 6000SK Series (With "SK" at the end of frame size)
Lubrication		Grease or oil lubricated models	
Speed reduction		Internal planetary gear mechanism with trochoidal curved tooth profile	
Output rotation direction		Single reduction type	Involute gear mechanism
		Duple reduction type	Reverse rotation direction
		Same rotation direction	
		(*Note the difference with single reduction type of CYCLO® DRIVE 6000 Series.)	
		*In contrast to input rotation direction.	
Ambient Conditions	Installation location	Indoors (Minimal)	
	Ambient Temperature	-10°~40°C	
	Ambient Humidity	Under 85%	
	Elevation	Under 1,000 meters	
	Atmosphere	Well ventilated location, free of corrosive gases, explosive gases, vapors and dust.	
Method of Mounting Note 1		CHH Type : slow speed shaft in horizontal direction and with foot CHF Type : slow speed shaft in horizontal direction and with flange (not for 6000SK Series) CVV Type : slow speed shaft down in vertical direction and with V-flange *Models with "N" for the second nomenclature symbol (such as CNH Type) may be mounted in any direction.	
Method of coupling with driven machine		Coupling, gears, chain sprocket or belt.	
Painting		Type : Acrylic modified phthalic Colour : Equivalent to Mancel 6.5PB 3.6/8.2.	

Note: 1. Models for universal mounting (types with N for the second digit of nomenclature) can be manufactured for following frame sizes only. Other frame sizes require indication for mounting direction.

[Frame sizes for universal mounting direction] *□ of the frame size indicates 0, 5, or H.

606□, 607□, 608□, 609□, 610□, 611□, 612□,

606□DA, 607□DA, 608□DA, 609□DA, 610□DA, 612□DA, 612□DB

Model Selection

Select models referring to the following flowchart. Consult us if there is any question.

Step 1: Determination of Operating Condition

Determine the following condition before starting selection.

- Application
- Continuous operation, or operation with frequent startup and stop
- Load torque T_L
- Radial load and axial load
- Operation hours per day
- Level of shock load
- Mounting direction (slow speed shaft direction), mounting shape
- Other ambient conditions (temperature, humidity, indoor or outdoor, and other environments)

Step 2: Model Selection

Select load factor

Select input speed

Select output speed and reduction ratio

Calculate actual transmitted torque $T_{NL} = T_L [\text{Load factor}]$
 T_L : Load torque

Determine gearmotor size
 Actual transmitted torque $T_{NL} \leq$ Allowable output torque of reducer T_{OUT}

Step 3: Check

Is only the radial load applied on shaft?

YES

NO

Radial load position: Shaft midpoint
 Shock load: None

Radial load position: Beyond shaft midpoint, or
 Shock load: Applied

Check radial load

Check radial or axial load with formulas on page F-10

Is shaft values load within Allowable Radial load (Pro)?

YES

NO

Raise one frame size or use heavy radial load type

Check slow speed shaft direction, mounting, style & lubrication

Check dimension

Check ambient condition (site environment)

Step 4: Nomenclature Determination, Selection Complete

Determine nomenclature, and complete selection

Procedure

- Select appropriate load factor from pages C-7~8.
- Open the page with selection table for your input speed, starting from page C-11.
- Select the cell containing close value to your output speed or reduction ratio in the selection table.
- Calculate actual transmitted torque from load torque and load factor.
- Select frame size and reduction ratio, which is larger than the calculated actual transmitted torque, from the selection table.
- Check whether only the radial load applied on slow and high speed shaft. Refer to Technical Data starting at page F-10 and calculate if axial load is also applied.
- Refer to Technical Data starting at page F-10 depending on where the radial load is applied, or if any shock load is applied or not.
 *1 Allowable radial load for slow speed shaft in the selection table is when the load position is at the midpoint of the shaft.
 *2 Calculate radial load including initial tension if they are applied using chain, V-belt, synchronous belt, etc.
- Check whether the calculated radial load does not exceed allowable radial load of the slow speed shaft.
- Check whether the selected combination is sufficient for your slow speed shaft direction, mounting style, and lubrication method.
- Check whether the dimension is adequate. Consult us if it does not match your operation condition.
- Check whether the selected combination is sufficient for your operation condition, such as surrounding environment. Refer to "Standard Specifications of Reducer" in page C-3 or section "F. Technical Data" for checking.
- Determine nomenclature for selected model referring to "Nomenclature" in page C-9. Now, the selection process is complete.

Model Selection

Description of Our Selection Table

This is a brief description of our tables on page C-11 and after.

Upper row: Output speed (r/min)
 Lower row: Reduction ratio
 * Note that "reduction ratio = nominal ratio" for models with "SK" at the end of frame size (6000 SK Series).
 (Indicated reduction ratio is the same as actual reduction ratios for other models.)

Input speed (r/min)

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

Input Speed		n ₁ = 1450 r/min													n ₂ : Output Speed [r/min]		P ₁ : Allowable input power [kW]		T _{out} : Allowable output torque [N·m, kgf·m]		P _{out} : Allowable output shaft radial load [N, kgf·m]		* Consult us Pro for CNF-CHF type.	
Frame Size	n ₂ [r/min]	242	181	132	112	96.7	85.3	69.0	58.0	50.0	41.4	33.7	28.4	24.6	2									
	Ratio[Z]	6	8	11	13	15	17	21	25	29	35	43	51	59										
6060	P ₁ [kW]	0.200	0.200	0.200	0.200	0.200	0.200	0.183	0.110	0.110	0.110	0.089	-	-										
	T _{out} [N·m]	7.51	10.0	13.8	16.3	18.8	21.3	24.0	17.2	20.0	24.0	24.0	-	-										
	T _{out} [kgf·m]	0.766	1.02	1.41	1.66	1.92	2.17	2.45	1.75	2.04	2.45	2.45	-	-										
	Pro[N]	798	912	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-										
	Pro[kgf]	81.3	93	120	120	120	120	120	120	120	120	120	-	-										
6065	P ₁ [kW]	0.286	0.286	0.286	0.286	0.286	0.282	0.228	0.166	0.165	0.137	0.112	-	-										
	T _{out} [N·m]	10.7	14.3	19.7	23.3	26.9	30.0	30.0	25.9	30.0	30.0	30.0	-	-										
	T _{out} [kgf·m]	1.09	1.46	2.01	2.38	2.74	3.06	3.06	2.64	3.06	3.06	3.06	-	-										
	Pro[N]	793	904	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-										
	Pro[kgf]	80.8	92.2	120	120	120	120	120	120	120	120	120	-	-										
6070	P ₁ [kW]	0.347	0.347	0.347	0.347	0.347	0.347	0.310	0.230	0.226	0.205	0.167	0.100	0.100										
	T _{out} [N·m]	13.0	17.3	23.9	28.2	32.5	36.9	42.1	35.9	41.0	45.0	45.0	31.9	36.9										
	T _{out} [kgf·m]	1.33	1.76	2.44	2.87	3.31	3.76	4.29	3.66	4.18	4.59	4.59	3.25	3.76										
	Pro[N]	1380	1520	1690	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770										
	Pro[kgf]	141	155	172	180	180	180	180	180	180	180	180	180	180										
6075	P ₁ [kW]	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.294	0.286	0.272	0.223	0.143	0.136										
	T _{out} [N·m]	15.3	20.4	28.0	33.1	38.2	43.3	53.5	46.0	52.0	59.6	60.0	45.7	50.1										
	T _{out} [kgf·m]	1.56	2.08	2.85	3.37	3.89	4.41	5.45	4.69	5.30	6.08	6.12	4.66	5.11										
	Pro[N]	1370	1510	1680	1770	1770	1770	1770	1770	1770	1770	1660	1750	1700										
	Pro[kgf]	140	154	171	180	180	180	180	180	180	180	169	178	173										
	P ₁ [kW]	0.592	0.592	0.592	0.592	0.592	0.592	0.478	0.340	0.340	0.340	0.250	0.192	0.185	0.									



REDUCERS

How to Select

Frame size

First row: Allowable input capacity (kW)
 Second row: Allowable output torque (N·m)
 Third row: Allowable output torque (kgf·m)
 Fourth row: Allowable radial load at slow speed shaft (N)
 Fifth row: Allowable radial load at slow speed shaft (kgf)

Selection Example

Below is an example selection process following the model selection procedure in page C-4.

• Operation condition

- Application: Chain conveyor
- Operation hours per day: 24 hours/day
- Operation pattern: Continuous operation
- Load torque: 178 N·m
- Input speed: 1450 r/min
- Output speed: 33.7 r/min

- Connection with machine used:
 - Output side: Chain sprocket
 - Sprocket pitch circle radius: $R=61\text{mm}$
 - Load position: Midpoint of shaft Initial tension=0
 - Input side: Coupling
 - Level of shock load: None
- Mounting direction (slow speed shaft direction), mounting style:



The model is selected based on above operation conditions in this example.

Operation condition, selection, and calculation results	Reference pages
• Select load factor Load condition for chain conveyor application → Uniform load (U) Load factor = 1.2 (U, 24 hours/day operation) • Select input speed 1450 r/min • Select output speed Power source frequency 50Hz, output speed 33.7r/min → $1450/33.7 = \text{Reduction ratio } 43$ • Calculated actual transmitted torque $T_{rL}=178 \text{ (N·m)} \times 1.2=213.6 \text{ (N·m)}$ • Determine reducer frame size $T_{rL} \leq T_{OUT} \rightarrow 213.6 \text{ (N·m)} \leq 292 \text{ (N·m)}$ Reducer frame size : 6105 • Check radial load (Output side) $Pr = TL/R \leq Pro/Cf$ $Pr = 199 \text{ (N·m)} / 0.061 \text{ (m)} = 3262 \text{ (N)} \leq 5400 \text{ (N)} / 1 = 5400 \text{ (N)} \rightarrow \text{OK}$ (Input side) No radial load because of coupling connection. • Check slow speed shaft direction, mounting style, lubrication method Slow speed shaft direction: Horizontal, Mounting style: Foot mount → Nomenclature: CNH (Grease lubrication method) • Check dimension Check dimension using Dimension Tables. • Check surrounding condition Ambient temperature: $20^\circ\text{C} \rightarrow \text{OK}$ • Determine nomenclature Determine nomenclature: CNH-6105-43 The selection is complete.	Page C-7,8 Table C-2: Reducer Load Classification Table C-1: Reducer Load Factor Page C-15, 40-42, 48-57: CYCLO® SPEED REDUCERS Selection Tables Page C-40-42: CYCLO® SPEED REDUCERS Selection Tables Page C-40: CYCLO® SPEED REDUCERS Selection Tables Page F-10: Allowable Radial and Axial Load Page C-40: CYCLO® SPEED REDUCERS Selection Tables Page C-9: Nomenclature Page C-71: Dimension Tables Page C-3: Standard Specifications of Gearmotor Page C-9: Nomenclature

Selection of Load Factor

CYCLO® SPEED REDUCER is designed for operation under uniform load for 10 hours/day.

Load factors below must be considered for operations exceeding 10 hours/day or load condition of your application. Select load factor by method (1) or (2) according to the load characteristics.

(1) Load Factor Selection by Load Classifications

[Load Factor] U: Uniform load M: Moderate shock H: Heavy shock

Table C-1 Reducer Load Factor

Daily Duty	~3 hours/day			~10 hours/day			~24 hours/day		
	U	M	H	U	M	H	U	M	H
Load Factor	0.80	1.00	1.35	1.00	1.20	1.50	1.50	1.35	1.60

Table C-2 Recommended Load Classifications

Type of APPLICATION	Type of LOAD	Type of APPLICATION	Type of LOAD	Type of APPLICATION	Type of LOAD	Type of APPLICATION	Type of LOAD
*Aerator		Elevators		slab conveyor	H	suction roll	U
Agitators.		bucket - uniform load	U	small waste-conveyor-belt	U	washers & thickeners	M
pure liquids	U	bucket - heavy load	M	small waste-conveyor-chain	M	winders	U
liquids & solids	M	bucket - cont.	U	sorting table	M		
liquids-variable density	M	centrifugal discharge	U	tipple hoist conveyor	M	*Printing Presses	
Blowers		escalators	U	tipple hoist drive	M	Pullers	
centrifugal	U	freight	M	transfer conveyors	M	barge haul	H
lobe	M	gravity discharge	U	transfer rolls	M	Pumps	
vane	U	*man lifts	U	tray drive	M	centrifugal	U
Brewing & Distilling		*passenger	U	trimmer feed	M	proportioning	M
bottling machinery	U	**Extruders(Plastics)		waste conveyor	M	reciprocating single acting, 3 or more cylinders	M
brew kettles, cont. duty	U	blow molders	M			double acting, 2 or more cylinders	M
cookers-cont. duty	U	coating	U	Machine Tools		*single acting, 1 or 2 cylinders	M
mash tubs-cont. duty	U	film	U	bending roll	M	*double acting, single cylinder	U
scale hopper, frequent starts	M	pipe	U	punch press-gear driven	H	rotary-gear type	U
Can Filling Machines	U	pre-plasticizers	M	*notching press-belt driven	U	rotary-lobe, vane	U
*Cane Knives	M	rods	U	plate planers	H	Rubber & Plastics Industries	
Car Dumpers	H	sheet	U	tapping machine	H	*crackers	H
Car Pullers	M	tubing	U	other machine tools		laboratory equipment	M
Clarifiers	U	Fans		main drives	M	mixing mills	H
Classifiers	M	centrifugal	U	auxiliary drives	U	*refiners	M
Clay Working Machinery		*cooling towers	U	Metal Mills		*rubber calendars	M
brick press	H	induced draft	U	draw bench carriage & main drive	M	*rubber mill(2 on line)	M
briquette machine	H	*forced draft	U	forming machines	H	*rubber mill(3 on line)	U
clay working machinery	M	induced draft	M	*pinch, dryer & scrubber rolls,		*sheeter	M
pug mill	M	large(mine, etc.)	M	reversing		*tire building machines	U
Compressors		large(industrial)	M	slitters	M	*tire & tube press openers	U
centrifugal	U	light(small diameter)	U	table conveyors-non-reversing group drives	M	*tubers & strainers	M
lobe	M	Feeders		individual drives	H	*warming mills	M
reciprocating, multi-cylinder	M	apron	M	*table conveyors-reversing	U	Sand Muller	M
reciprocating, single-cylinder	H	belt	M	wire drawing & flattening machine	M	Screeners	
Conveyors-Uniformly Loaded or Fed		disc	U	wire winding machine	M	air washing	U
apron	U	reciprocating	H	Mills, Rotary Type		rotary-stone or gravel	M
assembly	U	screw	M	*ball	M	traveling water intake	U
belt	U	Food industry		*cement kilns	M	Sewage Disposal Equipment	
bucket	U	beet slicer	M	*dryers & coolers	M	bar screens	U
chain	U	cereal cooker	U	kilns	M	chemical feeders	U
flight	U	dough mixer	M	*pebble	M	collectors, circuline or straightline	U
oven	U	meat grinders	M	*rod, plain & wedge bar	M	dewatering screws	M
screw	U	Generators(not welding)	U	tumbling barrels	H	grit collectors	U
Conveyors-Heavy Duty Not Uniformly Fed		Hammer mills	H	Mixers		scum breakers	M
apron	M	Hoists		concrete mixers, cont.	M	slow or rapid mixers	M
assembly	M	heavy duty	H	concrete mixers, intermittent	M	sludge collectors	U
belt	M	medium duty	M	constant density	U	thickeners	M
bucket	M	skip hoist	M	variable density	M	vacuum filters	M
chain	M	Laundry Washers		Oil Industry		Slab Pushers	M
flight	M	reversing	M	chillers	M	*Steering Gear	
*live roll	U	Laundry Tumblers	M	*oil well pumping	U	Stokers	U
oven	M	Line Shaft		paraffin filter press	M	Sugar Industry	
reciprocating	H	driving processing equipment	M	rotary kilns	M	*cane knives	M
screw	M	light	U	Paper Mills		*crushers	M
shaker	H	other line shafts	U	agitators(mixers)	M	*mills	H
Cranes(Except for Dry Dock Cranes)		Lumber Industry		barker-auxiliaries-hydraulic	M	Textile Industry	
main hoists	U	barkers-hydraulic	H	barker-mechanical	M	batchers	M
*bridge travel	U	mechanical	H	barking drum	H	calendars	M
*trolley travel	U	burner conveyor	M	beater & pulper	U	cards	M
Crusher		chain saw & drag saw	H	bleacher	M	dry cans	M
ore	H	chain transfer	H	calendars	M	dryers	M
stone	H	craneway transfer	H	calendars-super	H	dyeing machinery	M
*sugar	M	de-barking drum	H	converting machine, except cutters,	M	*knitting machines	U
Dredges		edger feed	M	conveyors	U	looms	M
cable reels	M	gang feed	H	couch	M	mangles	M
conveyors	M	green chain	M	cutters-platers	H	nappers	M
cutter head drives	H	live rolls	H	cylinders	M	pads	M
jig drives	H	log haul-locline	H	dryers	M	*range drives	U
maneuvering winches	M	log haul-well type	H	Paper Mills		slashers	M
pumps	M	log turning device	H	felt stretcher	M	soapers	M
screen drive	H	main log conveyor	H	felt whipper	H	spinners	M
stackers	M	off bearing rolls	M	jordan	H	tenter frames	M
utility winches	M	planer feed chains	M	log haul	H	washers	M
*Dry Dock Cranes		planer floor chains	M	presses	U	winders	M
		planer tilting hoist	M	pulp machine reel	M	*Windlass	
		re-saw merry-go-round conveyor	M	stock chests	M		
		roll cases	H				

Remarks: * Refer to factory. ** To be selected on basis of 24hr. service only.

Note: Table above contains reference value. Names and mechanical characteristics of the actual machine may differ from the table above.