

CYCLO DRIVE WARRANTY 2 YEARS

Sumitomo Drive Technologies
»» Building Tomorrow Together

CYCLO DRIVE GEAR MOTOR

CNHM CHHM CNVM CVVM
















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LET'S SUMITOMO GEAR MOTOR

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Nomenclature

CYCLO DRIVE WARRANTY 2 YEARS

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

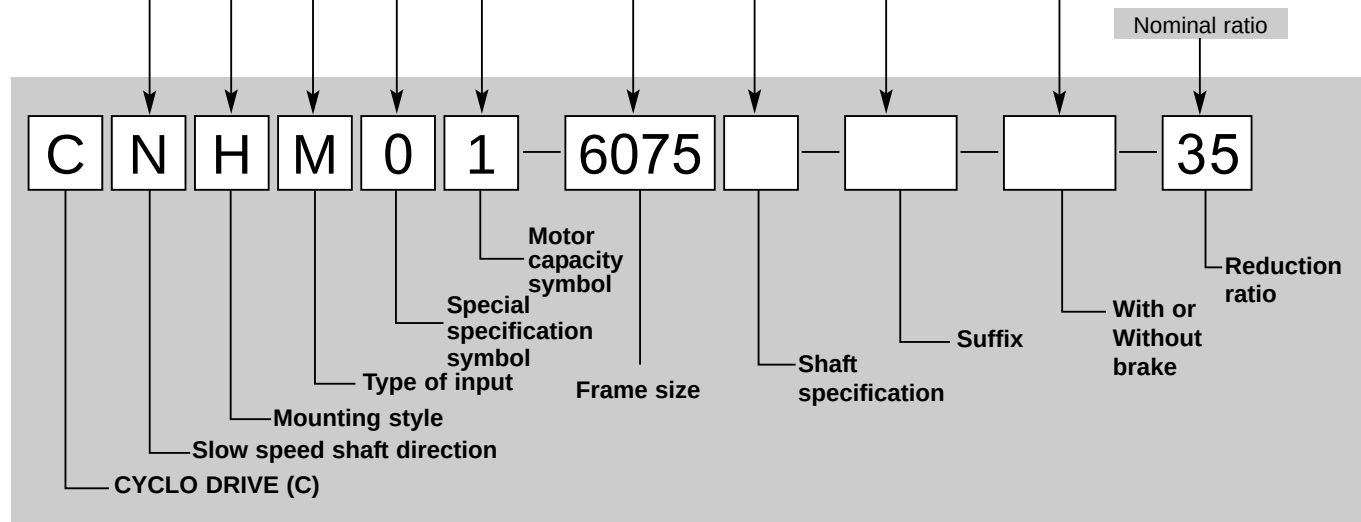
		Motor Capacity Symbol					
4P	Capacity symbol	01	02	03	05	08	1
	kW (HP)	0.1 (1/8)	0.2 (1/4)	0.25 (1/3)	0.4 (1/2)	0.55 (3/4)	0.75 (1)
	Capacity symbol	1H	2	3	4	5	8
	kW (HP)	1.1 (1.5)	1.5 (2)	2.2 (3)	3.0 (4)	3.7 (5)	5.5 (7.5)
	Capacity symbol	10	15	20	25	30	40
	kW (HP)	7.5 (10)	11 (15)	15 (20)	18.5 (25)	22 (30)	30 (40)
6P	Capacity symbol	50	60	75	100		
	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		

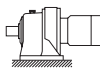
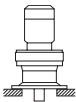
With or Without Brake	
Without brake	-
With brake	B

Frame size
(Refer to Selection
Tables starting from
page B-13.)



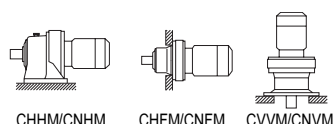
CNHM, CHHM = FOOT MOUNTING STYLE
CNVM, CVVM = FLANGE MOUNTING STYLE

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 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	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

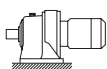
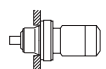
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
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		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	10.6	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
			3340	340	1.73				3340	340	2.09	01 - 6095DA	- 195		B-108	B-124	B-143
	116	11.8	5400	550	2.16		95.8	9.76	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	7.58	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				3340	340	1.76	01 - 6095DA	- 231		B-108	B-124	B-143
	137	14.0	5400	550	1.83		113	11.6	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	6.41	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		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

GEARMOTORS

Selection Tables
0.1 kW

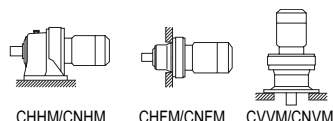
- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*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

0.1 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	CNVVM	
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	
		280	28.6					232	23.7									
			9810	1000	2.25				9810	1000	2.71	01 - 6125DA	- 473		B-108	B-124	B-143	
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	
		331	33.8					275	28.0									
			9810	1000	1.58				9810	1000	1.91	01 - 6120DA	- 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	
		385	39.2					319	32.5									
			9810	1000	1.64				9810	1000	1.98	01 - 6125DA	- 649		B-108	B-124	B-143	
	1.98	24.0	2.45	1180	120		*1	2.39	24.0	2.45	1180	120	*1	01 - 6060DA	- 731		B-108	B-124
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	
		433	44.2				359		36.6									
		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

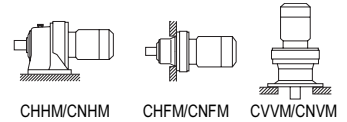
n₁: Motor Speed

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	CNVM
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.

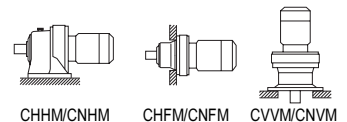
Selection Tables Gearmotors

0.1 kW	n ₁ : Motor Speed					
	Hz		50Hz		60Hz	
	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 CHHM	CNFM CHFM	CNVN CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf							
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
	150	15.3	3310	338	*1		150	15.3	3310	338	*1	01 -	6090DA	- 4437	B-108	B-124	B-143
0.327	192	19.6	3240	330	*1	0.394	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
	150	15.3	3310	338	*1		150	15.3	3310	338	*1	01 -	6090DA	- 5133	B-108	B-124	B-143
0.282	192	19.6	3240	330	*1	0.341	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
	525	53.5	9780	997	*1		525	53.5	9780	997	*1	01 -	6120DB	- 6177	B-108	B-124	B-143
0.235	630	64.2	9560	974	*1	0.283	630	64.2	9560	974	*1	01 -	6125DB	- 6177	B-108	B-124	B-143
	525	53.5	9780	997	*1		525	53.5	9780	997	*1	01 -	6120DB	- 7569	B-108	B-124	B-143
0.192	630	64.2	9560	974	*1	0.231	630	64.2	9560	974	*1	01 -	6125DB	- 7569	B-108	B-124	B-143

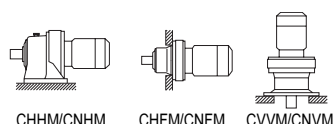
0.2 kW	n ₁ : Motor Speed					
	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque 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	CNVN
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

- 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



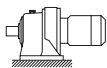
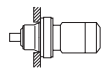
0.2 kW

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 CHHM CHFM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					
132	13.8	1.40	1180	120	1.00	159	11.4	1.16	1170	119	1.00	02 -	6060	- 11	B-100 B-116 B-135
			1180	120	1.43				1170	119	1.43	02 -	6065	- 11	B-100 B-116 B-135
			1730	176	1.74				1630	166	1.74	02 -	6070	- 11	B-100 B-116 B-135
			1730	176	2.04				1630	166	2.04	02 -	6075	- 11	B-100 B-116 B-135
			2320	236	2.96				2180	222	2.96	02 -	6080	- 11	B-100 B-116 B-135
112	16.3	1.66	1180	120	1.00	135	13.5	1.37	1180	120	1.00	02 -	6060	- 13	B-100 B-116 B-135
			1180	120	1.43				1180	120	1.43	02 -	6065	- 13	B-100 B-116 B-135
			1770	180	1.74				1720	175	1.74	02 -	6070	- 13	B-100 B-116 B-135
			1770	180	2.04				1720	175	2.04	02 -	6075	- 13	B-100 B-116 B-135
			2500	254	2.96				2350	239	2.96	02 -	6080	- 13	B-100 B-116 B-135
96.7	18.8	1.91	1180	120	1.00	117	15.6	1.59	1180	120	1.00	02 -	6060	- 15	B-100 B-116 B-135
			1180	120	1.43				1180	120	1.43	02 -	6065	- 15	B-100 B-116 B-135
			1770	180	1.74				1730	176	1.74	02 -	6070	- 15	B-100 B-116 B-135
			1770	180	2.04				1730	176	2.04	02 -	6075	- 15	B-100 B-116 B-135
			2560	261	2.96				2420	247	2.96	02 -	6080	- 15	B-100 B-116 B-135
85.3	21.3	2.17	1180	120	1.00	103	17.6	1.80	1180	120	1.00	02 -	6060	- 17	B-100 B-116 B-135
			1180	120	1.41				1180	120	1.43	02 -	6065	- 17	B-100 B-116 B-135
			1770	180	1.74				1770	180	1.74	02 -	6070	- 17	B-100 B-116 B-135
			1770	180	2.04				1770	180	2.04	02 -	6075	- 17	B-100 B-116 B-135
			2560	261	2.96				2540	259	2.96	02 -	6080	- 17	B-100 B-116 B-135
69.0	26.3	2.68	1180	120	1.14	83.3	21.8	2.22	1180	120	1.17	02 -	6065	- 21	B-100 B-116 B-135
			1770	180	1.60				1770	180	1.60	02 -	6070	- 21	B-100 B-116 B-135
			1770	180	2.04				1770	180	2.04	02 -	6075	- 21	B-100 B-116 B-135
			2560	261	2.39				2480	253	2.39	02 -	6080	- 21	B-100 B-116 B-135
			2560	261	2.75				2480	253	2.75	02 -	6085	- 21	B-100 B-116 B-135
58.0	31.3	3.19	1180	120	0.83	70.0	25.9	2.64	1180	120	0.83	02 -	6065	- 25	B-100 B-116 B-135
			1770	180	1.15				1770	180	1.15	02 -	6070	- 25	B-100 B-116 B-135
			1770	180	1.47				1770	180	1.47	02 -	6075	- 25	B-100 B-116 B-135
			2560	261	1.70				2550	260	1.70	02 -	6080	- 25	B-100 B-116 B-135
			2560	261	2.38				2550	260	2.38	02 -	6085	- 25	B-100 B-116 B-135
50.0	36.3	3.70	1180	120	0.83	60.3	30.1	3.07	1180	120	0.83	02 -	6065	- 29	B-100 B-116 B-135
			1770	180	1.13				1770	180	1.13	02 -	6070	- 29	B-100 B-116 B-135
			1770	180	1.43				1770	180	1.43	02 -	6075	- 29	B-100 B-116 B-135
			2560	261	1.70				2560	261	1.70	02 -	6080	- 29	B-100 B-116 B-135
			2560	261	2.34				2560	261	2.34	02 -	6085	- 29	B-100 B-116 B-135
41.4	43.8	4.46	1770	180	1.03	50.0	36.3	3.70	1770	180	1.06	02 -	6070	- 35	B-100 B-116 B-135
			1770	180	1.36				1770	180	1.40	02 -	6075	- 35	B-100 B-116 B-135
			2560	261	1.45				2560	261	1.65	02 -	6080	- 35	B-100 B-116 B-135
			2560	261	1.64				2560	261	1.86	02 -	6085	- 35	B-100 B-116 B-135
			3340	340	3.06				3340	340	3.06	02 -	6090	- 35	B-100 B-116 B-135
33.7	53.8	5.49	1770	180	1.12	40.7	44.6	4.54	1770	180	1.13	02 -	6075	- 43	B-100 B-116 B-135
			2560	261	1.25				2560	261	1.25	02 -	6080	- 43	B-100 B-116 B-135
			2560	261	1.47				2560	261	1.47	02 -	6085	- 43	B-100 B-116 B-135
			3340	340	2.18				3340	340	2.18	02 -	6090	- 43	B-100 B-116 B-135
			2560	261	1.21				2560	261	1.21	02 -	6085	- 51	B-100 B-116 B-135
28.4	63.8	6.51	3340	340	1.66	34.3	52.9	5.39	3340	340	1.66	02 -	6090	- 51	B-100 B-116 B-135
			3340	340	2.04				3340	340	2.11	02 -	6095	- 51	B-100 B-116 B-135
			5400	550	2.80				5400	550	2.80	02 -	6100	- 51	B-101 B-117 B-136
			2560	261	1.17				2560	261	1.17	02 -	6085	- 59	B-100 B-116 B-135
			3340	340	1.55				3340	340	1.55	02 -	6090	- 59	B-100 B-116 B-135
24.6	73.8	7.53	3340	340	1.68	29.7	61.2	6.24	3340	340	1.87	02 -	6095	- 59	B-100 B-116 B-135
			5400	550	2.58				5400	550	2.58	02 -	6100	- 59	B-101 B-117 B-136
			2380	243	0.83				2510	256	0.94	02 -	6085	- 71	B-100 B-116 B-135
			3340	340	1.26				3340	340	1.26	02 -	6090	- 71	B-100 B-116 B-135
			3340	340	1.39				3340	340	1.51	02 -	6095	- 71	B-100 B-116 B-135
20.4	88.8	9.06	5400	550	2.18	24.6	73.6	7.50	5400	550	2.18	02 -	6100	- 71	B-101 B-117 B-136
			5400	550	2.53				5400	550	2.81	02 -	6105	- 71	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.

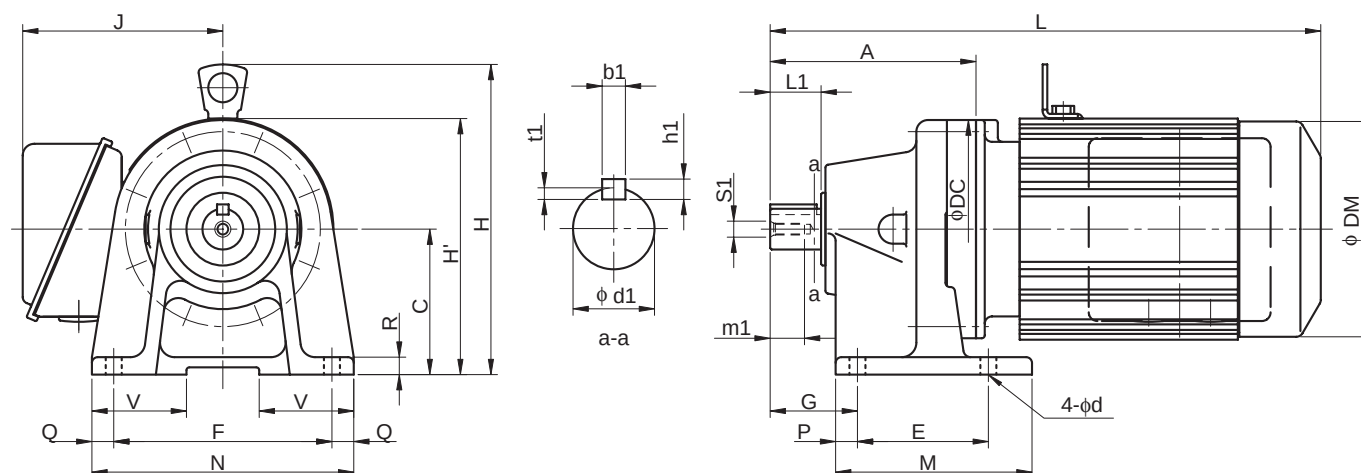
Selection Tables Gearmotors

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 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
16.7	109	11.1	3340	340	1.06	20.1	90.2	9.20	3340	340	1.06	02 - 6090	- 87		B-100	B-116	B-135
			3340	340	1.32				02 - 6095	- 87	B-100	B-116	B-135				
			5400	550	2.17				02 - 6100	- 87	B-101	B-117	B-136				
			5400	550	2.52				02 - 6105	- 87	B-101	B-117	B-136				
13.9	123	12.6	60.0	6.12	*1	16.8	102	10.4	60.0	6.12	*1	02 - 6075DA	- 104		B-108	B-124	B-143
			3340	340	1.22				02 - 6090DA	- 104	B-108	B-124	B-143				
			3340	340	1.47				02 - 6095DA	- 104	B-108	B-124	B-143				
			5400	550	2.03				02 - 6100DA	- 104	B-108	B-124	B-143				
5400	550	2.15	5400	550	2.15	02 - 6105DA	- 104	B-108	B-124	B-143							
12.2	149.0	15.2	5400	550	1.05	14.7	123	12.6	5400	550	1.05	02 - 6100	- 119		B-101	B-117	B-136
			5400	550	1.43				5400	550	1.43	02 - 6105	- 119		B-101	B-117	B-136
12.0	143	14.6	3340	340	1.05	14.5	119	12.1	3340	340	1.26	02 - 6090DA	- 121		B-108	B-124	B-143
			3340	340	1.12				02 - 6095DA	- 121	B-108	B-124	B-143				
			5400	550	1.74				02 - 6100DA	- 121	B-108	B-124	B-143				
			5400	550	2.14				02 - 6105DA	- 121	B-108	B-124	B-143				
9810	1000	2.15	9810	1000	2.15	02 - 6120DA	- 121	B-108	B-124	B-143							
10.1	170	17.3	3340	340	1.08	12.2	140	14.3	3340	340	1.30	02 - 6095DA	- 143		B-108	B-124	B-143
			5400	550	1.47				02 - 6100DA	- 143	B-108	B-124	B-143				
			5400	550	1.77				02 - 6105DA	- 143	B-108	B-124	B-143				
			9810	1000	2.15				02 - 6120DA	- 143	B-108	B-124	B-143				
150	15.3	3340	340	*1	150	15.3	3340	340	*1	02 - 6090DA	- 165		B-108	B-124	B-143		
8.79	196	19.9	3340	340	1.02	10.6	162	16.5	3340	340	1.23	02 - 6095DA	- 165		B-108	B-124	B-143
			5400	550	1.28				02 - 6100DA	- 165	B-108	B-124	B-143				
			5400	550	1.53				02 - 6105DA	- 165	B-108	B-124	B-143				
			9810	1000	2.15				02 - 6120DA	- 165	B-108	B-124	B-143				
9810	1000	2.68	9810	1000	3.24	02 - 6120DB	- 165	B-108	B-124	B-143							
150	15.3	3340	340	*1	150	15.3	3340	340	*1	02 - 6090DA	- 195		B-108	B-124	B-143		
7.44	231	23.6	3340	340	0.87	8.97	192	19.5	3340	340	1.04	02 - 6095DA	- 195		B-108	B-124	B-143
			5400	550	1.08				02 - 6100DA	- 195	B-108	B-124	B-143				
			5400	550	1.30				02 - 6105DA	- 195	B-108	B-124	B-143				
			9810	1000	2.15				02 - 6120DA	- 195	B-108	B-124	B-143				
9810	1000	2.27	9810	1000	2.74	02 - 6120DB	- 195	B-108	B-124	B-143							
9810	1000	2.73	9810	1000	3.29	02 - 6125DB	- 195	B-108	B-124	B-143							
150	15.3	3340	340	*1	150	15.3	3340	340	*1	02 - 6090DA	- 231		B-108	B-124	B-143		
6.28	274	27.9	200	20.4	*1	7.58	227	23.1	200	20.4	*1	02 - 6095DA	- 231		B-108	B-124	B-143
			5400	550	1.10				02 - 6105DA	- 231	B-108	B-124	B-143				
			9810	1000	1.91				02 - 6120DA	- 231	B-108	B-124	B-143				
			9810	1000	1.91				02 - 6120DB	- 231	B-108	B-124	B-143				
9810	1000	2.15	9810	1000	2.15	02 - 6125DA	- 231	B-108	B-124	B-143							
9810	1000	2.30	9810	1000	2.78	02 - 6125DB	- 231	B-108	B-124	B-143							
14700	1500	2.85	14700	1500	3.44	02 - 6130DB	- 231	B-109	B-125	B-143							
150	15.3	3340	340	*1	150	15.3	3340	340	*1	02 - 6090DA	- 273		B-108	B-124	B-143		
5.31	324	33.0	200	20.4	*1	6.41	268	27.3	200	20.4	*1	02 - 6095DA	- 273		B-108	B-124	B-143
			250	25.5	*1				02 - 6100DA	- 273	B-108	B-124	B-143				
			5400	550	0.93				02 - 6105DA	- 273	B-108	B-124	B-143				
			9810	1000	1.61				02 - 6120DA	- 273	B-108	B-124	B-143				
9810	1000	1.95	9810	1000	2.15	02 - 6125DA	- 273	B-108	B-124	B-143							
9810	1000	1.95	9810	1000	2.15	02 - 6125DB	- 273	B-108	B-124	B-143							
14700	1500	2.15	14700	1500	2.15	02 - 6130DA	- 273	B-109	B-125	B-144							
14700	1500	2.41	14700	1500	2.91	02 - 6130DB	- 273	B-109	B-125	B-143							
14700	1500	2.90	14700	1500	3.51	02 - 6135DB	- 273	B-109	B-125	B-144							

- 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.

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	

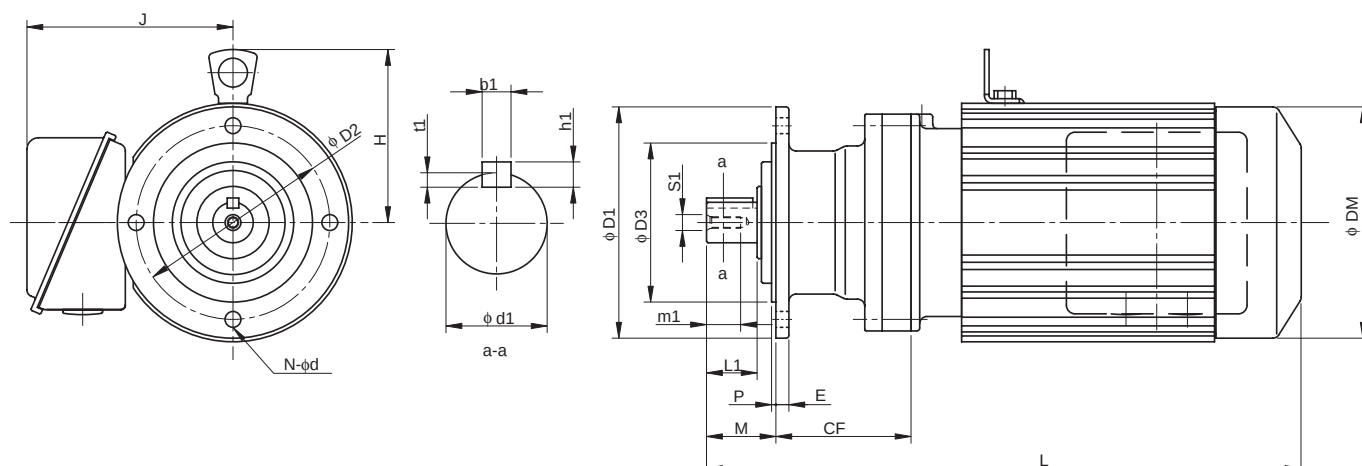
Note: 1. □ indicates motor capacity.

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, V-Flange Mount)

CNVM^{Note 1} - 606□ to 609□



GEARMOTORS

 Dimension Tables
CNVM

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

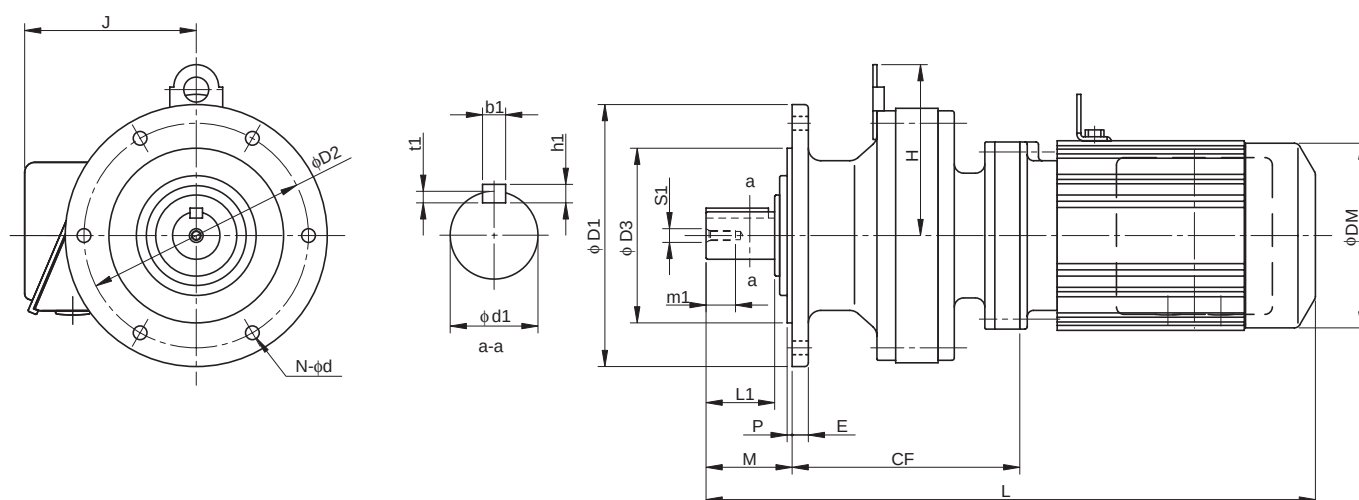
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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} - 606□DA to 612□DB

GEARMOTORS

Dimension Tables
CVVM

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.