

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		01	02	03	05	08	1
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)					

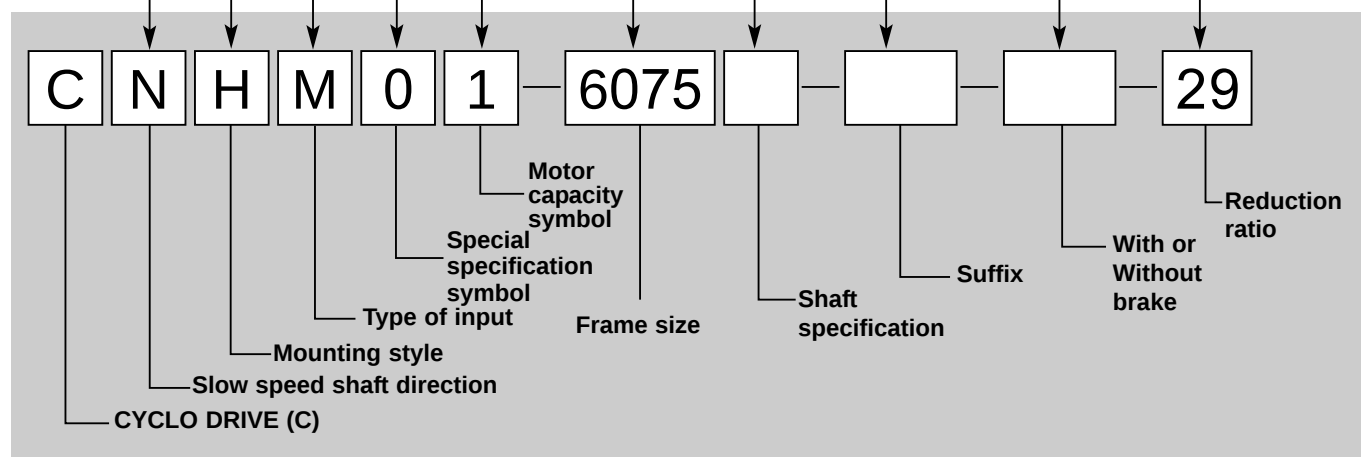
Shaft specification	
Metric JIS (Standard)	-
Inch size	Y
Metric DIN	G

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	

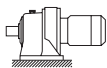
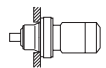
With or Without Brake	
Without brake	-
With brake	B

Frame size
(Refer to Selection
Tables starting from
6060)

Nominal ratio

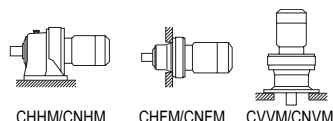


Selection Tables Gearmotors

0.1 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	
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

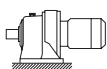
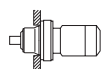
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM CHHM	CNFM CHFM	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		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		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.

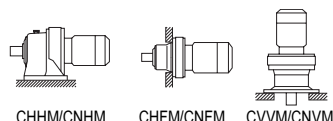
Selection Tables Gearmotors

0.1 kW		n ₁ : Motor Speed									
		Hz		50Hz							
		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
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	B-124	B-143
	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

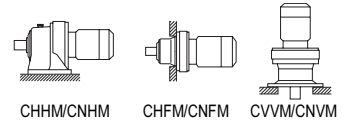
n₁: Motor Speed

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	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				9810	1000	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.

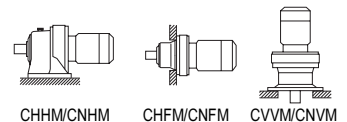
Selection Tables Gearmotors

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
	0.327	150	15.3	3310	338		*1	0.394	150	15.3	3310	338	*1	01 -	6090DA	- 4437	B-108
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

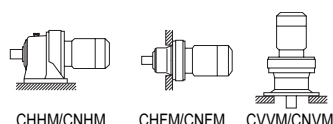
0.2 kW	n ₁ : Motor Speed				
	Hz		50Hz		60Hz
	P		4	6	4 6
	n ₁	r/min	1450	980	1750 1165



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



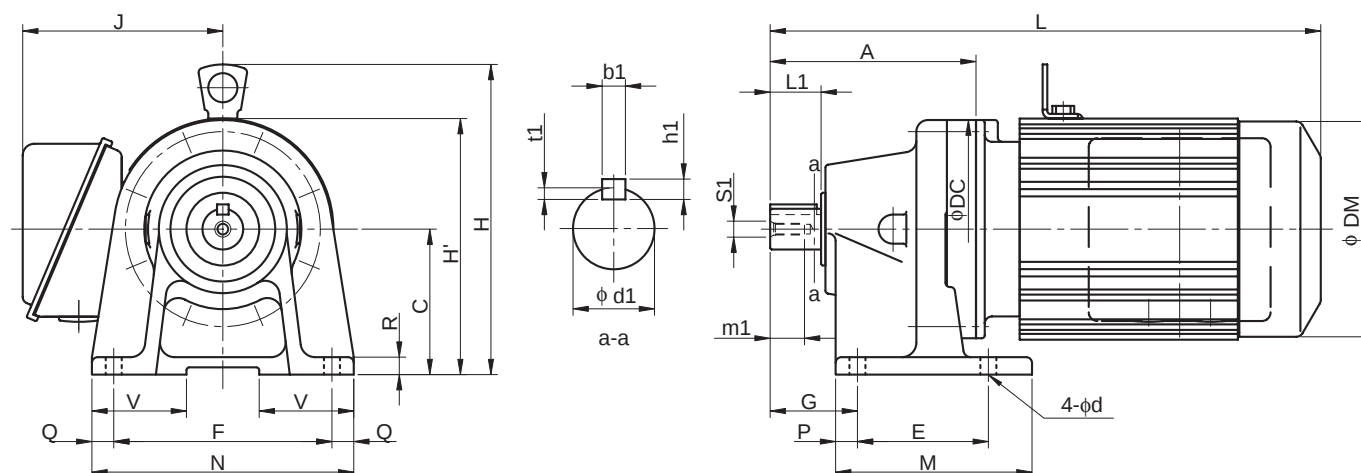
0.2 kW

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
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
132	13.8	1.40	1180	120	159	11.4	1.16	1170	119	02 -	6060	- 11	B-100	B-116	B-135
			1180	120				1170	119						
			1730	176				1630	166						
			1730	176				1630	166						
			2320	236				2180	222						
112	16.3	1.66	1180	120	135	13.5	1.37	1180	120	02 -	6060	- 13	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1720	175						
			1770	180				1720	175						
			2500	254				2350	239						
96.7	18.8	1.91	1180	120	117	15.6	1.59	1180	120	02 -	6060	- 15	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1730	176						
			1770	180				1730	176						
			2560	261				2420	247						
85.3	21.3	2.17	1180	120	103	17.6	1.80	1180	120	02 -	6060	- 17	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1770	180						
			1770	180				1770	180						
			2560	261				2540	259						
69.0	26.3	2.68	1180	120	83.3	21.8	2.22	1180	120	02 -	6065	- 21	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1770	180						
			1770	180				1770	180						
			2560	261				2480	253						
58.0	31.3	3.19	1180	120	70.0	25.9	2.64	1180	120	02 -	6065	- 25	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1770	180						
			1770	180				1770	180						
			2560	261				2550	260						
50.0	36.3	3.70	1180	120	60.3	30.1	3.07	1180	120	02 -	6065	- 29	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1770	180						
			1770	180				1770	180						
			2560	261				2560	261						
41.4	43.8	4.46	1180	120	50.0	36.3	3.70	1180	120	02 -	6070	- 35	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1770	180						
			1770	180				1770	180						
			2560	261				2560	261						
33.7	53.8	5.49	1180	120	40.7	44.6	4.54	1180	120	02 -	6070	- 43	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1770	180						
			1770	180				1770	180						
			2560	261				2560	261						
28.4	63.8	6.51	1180	120	34.3	52.9	5.39	1180	120	02 -	6085	- 51	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1770	180						
			1770	180				1770	180						
			2560	261				2560	261						
24.6	73.8	7.53	1180	120	29.7	61.2	6.24	1180	120	02 -	6085	- 59	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1770	180						
			1770	180				1770	180						
			2560	261				2560	261						
20.4	88.8	9.06	1180	120	24.6	73.6	7.50	1180	120	02 -	6085	- 71	B-100	B-116	B-135
			1180	120				1180	120						
			1770	180				1770	180						
			1770	180				1770	180						
			2560	261				2560	261						

- "*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.

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	

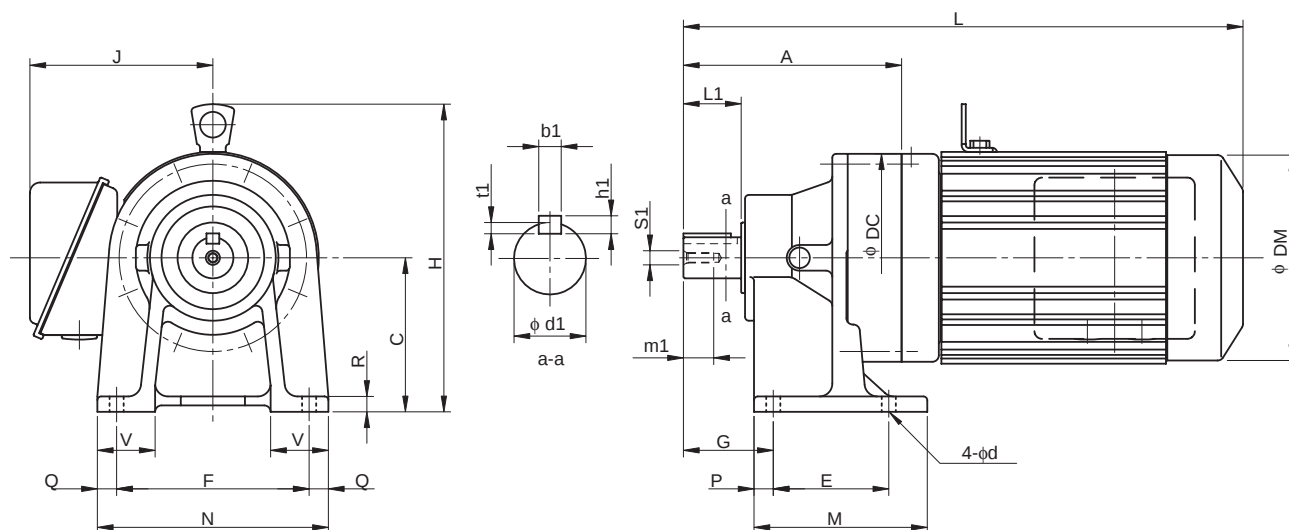
Note: 1. □ indicates motor capacity.

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	

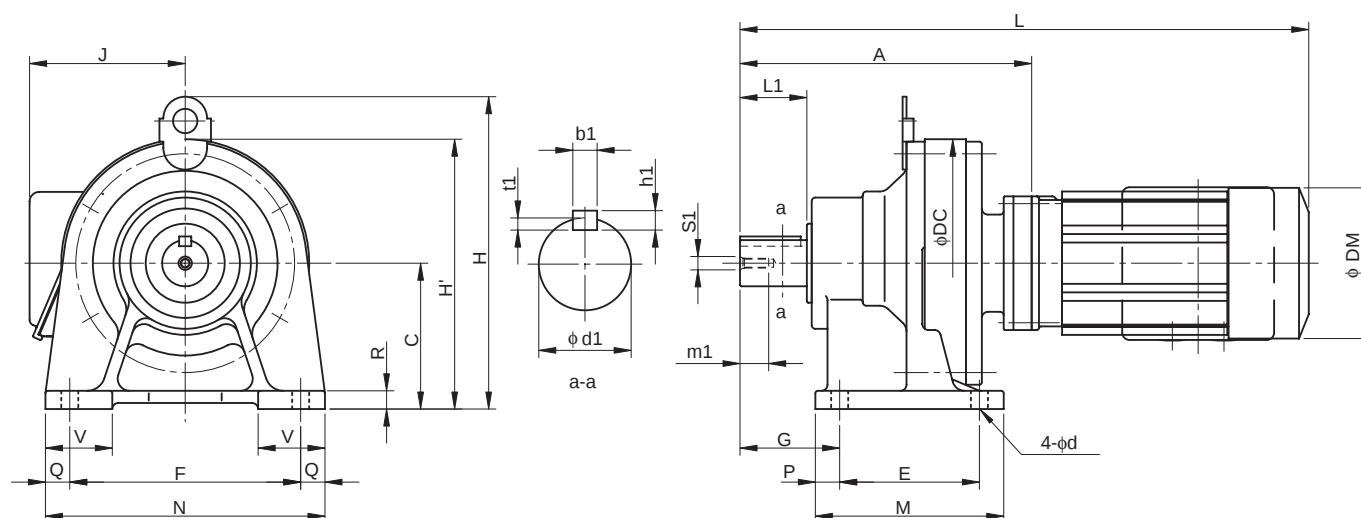
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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 (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	

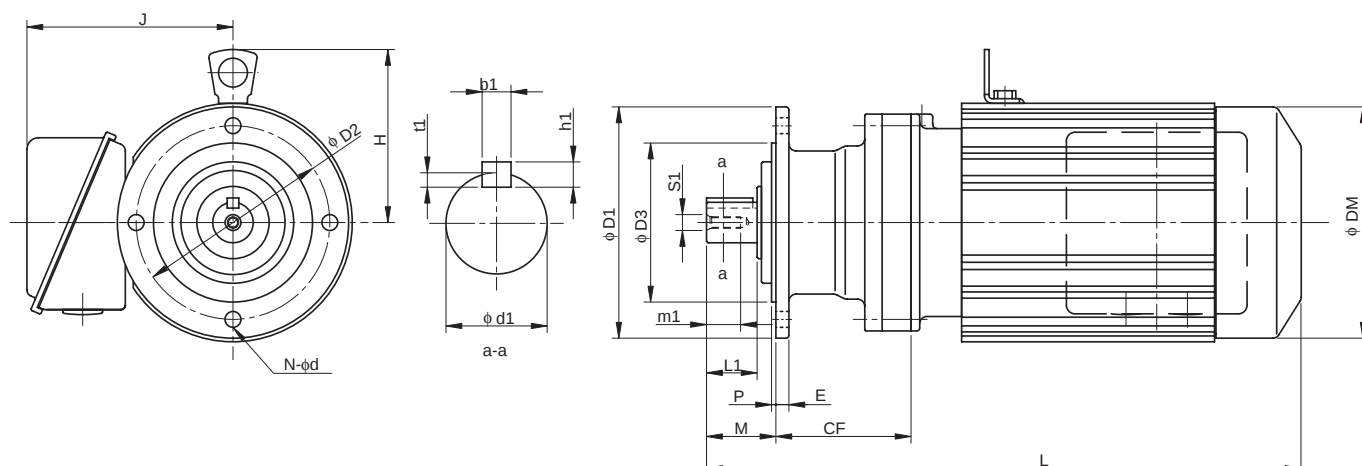
Note: 1. □ indicates motor capacity.

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 (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

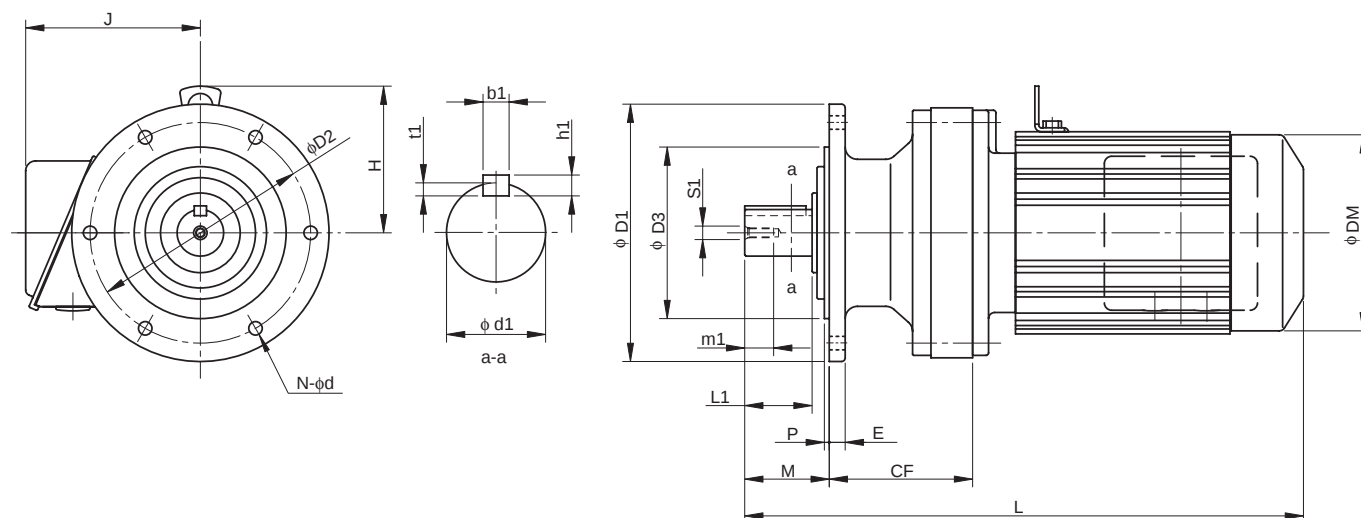
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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."