

Slow Speed Shaft Direction	
Horizontal, slow speed shaft level	H
Vertical, slow speed shaft down	V
Vertical, 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

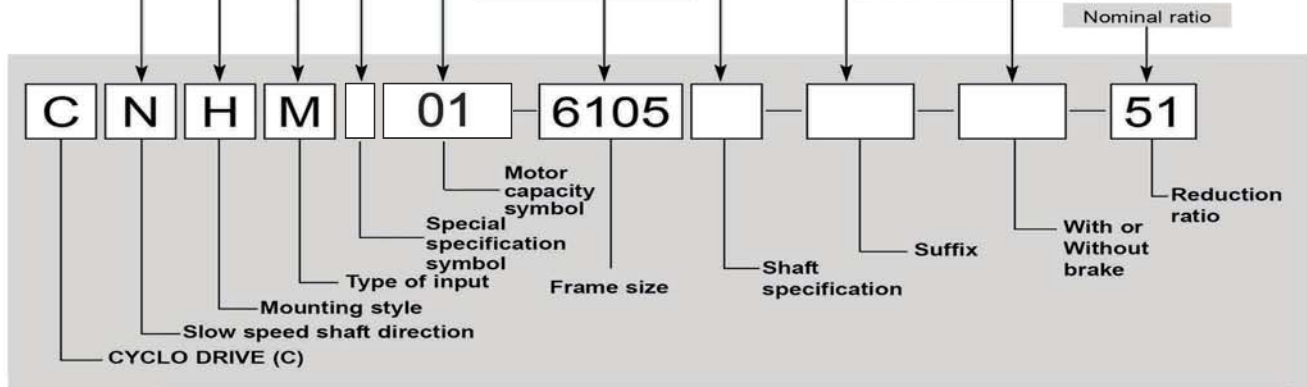
		Motor Capacity Symbol						
4P	Capacity symbol	01	02	03	05	08	1	
	kW (HP)	0.1 (1/8)	0.2 (1/4)	0.25 (1/3)	0.4 (1/2)	0.55 (3/4)	0.75 (1)	
	Capacity symbol	1H	2	3	4	5	8	
	kW (HP)	1.1 (1.5)	1.5 (2)	2.2 (3)	3.0 (4)	3.7 (5)	5.5 (7.5)	
	Capacity symbol	10	15	20	25	30	40	
	kW (HP)	7.5 (10)	11 (15)	15 (20)	18.5 (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)	
6P	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
Light Heavy Radial	R1	With AF (inverter) motor
High Cap. Brg. Ductile Casing	R2	Servo Motor
Baseplate	BP	DC Motor
HH Type Ceiling	H1	High Efficiency Motor
Modification Left Wall	H2	Torque Limiter
Modification Right Wall	H3	

With or Without Brake	
Without brake	-
With brake	B

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

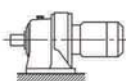


Product and Nomenclature Symbol Examples (Gearmotor)

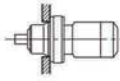
Standard and various application products of CYCLO GEARMOTOR are classified by their nomenclature symbol as below. Refer to specific catalogs or consult us for details on our application products.

CYCLO® GEARMOTORS

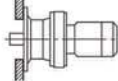
CHHM
(CNHM)



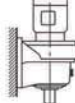
CHFM
(CNFM)



CHVM
(CNVM)



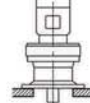
CVHM
(CNHM)



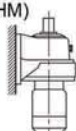
CVFM
(CNFM)



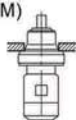
CVVM
(CNVM)



CWHM
(CNHM)



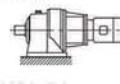
CWFM
(CNFM)



CWVM
(CNVM)

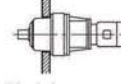


CHHJM
(CNHJM)



With Adaptor

CHFJM
(CNFJM)



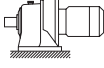
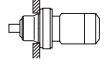

With Adaptor

CVVJM
(CNVJM)



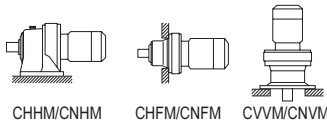
With Adaptor

Selection Tables Gearmotors #CNHM01, #CHHM01, #CNVM01, #CVVM01

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 CHHM	CNFM CHFM	CNVM CVVM		
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf								
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	
			1180	120	1.10				1180	120	1.10	01 - 6060	- 25	B-100	B-116	B-135	
58.0	15.6	1.59	1180	120	1.66	70.0	13.0	1.32	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	
			1180	120	1.10				1180	120	1.10	01 - 6060	- 29	B-100	B-116	B-135	
50.0	18.1	1.85	1180	120	1.65	60.3	15.0	1.53	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	
			1180	120	1.10				1180	120	1.10	01 - 6060	- 35	B-100	B-116	B-135	
41.4	21.9	2.23	1180	120	1.37	50.0	18.1	1.85	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	
			1180	120	1.12				1180	120	1.13	01 - 6065	- 43	B-100	B-116	B-135	
33.7	26.9	2.74	1770	180	1.67	40.7	22.3	2.27	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	
			1770	180	1.00				1770	180	1.00	01 - 6070	- 51	B-100	B-116	B-135	
28.4	31.9	3.25	1770	180	1.43	34.3	26.4	2.70	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	
			1770	180	1.00				1770	180	1.00	01 - 6070	- 59	B-100	B-116	B-135	
24.6	36.9	3.76	1770	180	1.36	30.0	30.6	3.12	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	
			2560	261	1.20				2560	261	1.20	01 - 6080	- 71	B-100	B-116	B-135	
20.4	44.4	4.53	2560	261	1.65	24.6	36.8	3.75	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	
			2560	261	1.21				2560	261	1.21	01 - 6085	- 87	B-100	B-116	B-135	
16.7	54.4	5.55	3340	340	2.11	20.0	45.10	4.600	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	
	24.0	2.45	1180	120	*1		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	
13.9			1770	180	0.97	16.8			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	

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

Selection Tables Gearmotors #CNHM01, #CHHM01, #CNVM01, #CVVM01



0.1 kW

n₁: Motor Speed

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

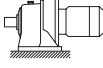
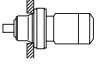

50Hz						60Hz					Nomenclature			Page of Dimension Sheet							
Output Speed n ₂ r/min	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂ r/min	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM				
	N-m	kgf-m	N	kgf			N-m	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					
			1140	116	*1				1140	116	*1						01 - 6065DA	- 121	B-108	B-124	B-143
			1770	180	*1				1770	180	*1						01 - 6070DA	- 121	B-108	B-124	B-143
			1770	180	*1				1770	180	*1						01 - 6075DA	- 121	B-108	B-124	B-143
			3340	340	2.09				3340	340	2.52						01 - 6090DA	- 121	B-108	B-124	B-143
	71.7	7.31	3340	340	2.24		59.4	6.06	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					
			1180	120	*1				1180	120	*1						01 - 6065DA	- 143	B-108	B-124	B-143
			1770	180	*1				1770	180	*1						01 - 6070DA	- 143	B-108	B-124	B-143
			1770	180	*1				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					
			1180	120	*1				1180	120	*1						01 - 6065DA	- 165	B-108	B-124	B-143
			1770	180	*1				1770	180	*1						01 - 6070DA	- 165	B-108	B-124	B-143
			1770	180	*1				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					
			1180	120	*1				1180	120	*1						01 - 6065DA	- 195	B-108	B-124	B-143
			1770	180	*1				1770	180	*1						01 - 6070DA	- 195	B-108	B-124	B-143
			1770	180	*1				1770	180	*1						01 - 6075DA	- 195	B-108	B-124	B-143
			3340	340	1.30				3340	340	1.57						01 - 6090DA	- 195	B-108	B-124	B-143
	116	11.8	3340	340	1.73		95.8	9.76	3340	340	2.09	01 - 6095DA	- 195	B-108	B-124	B-143					
			5400	550	2.16				5400	550	2.61	01 - 6100DA	- 195	B-108	B-124	B-143					
			5400	550	2.60				5400	550	3.13	01 - 6105DA	- 195	B-108	B-124	B-143					
6.28	24.0	2.45	1180	120	*1	7.58	24.0	2.45	1180	120	*1	01 - 6060DA	- 231	B-108	B-124	B-143					
			1180	120	*1				1180	120	*1						01 - 6065DA	- 231	B-108	B-124	B-143
			1770	180	*1				1770	180	*1						01 - 6070DA	- 231	B-108	B-124	B-143
			1770	180	*1				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
	137	14.0	3340	340	1.46		113	11.6	3340	340	1.76	01 - 6095DA	- 231	B-108	B-124	B-143					
			5400	550	1.83				5400	550	2.20	01 - 6100DA	- 231	B-108	B-124	B-143					
			5400	550	2.19				5400	550	2.64	01 - 6105DA	- 231	B-108	B-124	B-143					
5.31	24.0	2.45	1180	120	*1	6.41	24.0	2.45	1180	120	*1	01 - 6060DA	- 273	B-108	B-124	B-143					
			1180	120	*1				1180	120	*1						01 - 6065DA	- 273	B-108	B-124	B-143
			1770	180	*1				1770	180	*1						01 - 6070DA	- 273	B-108	B-124	B-143
			1770	180	*1				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

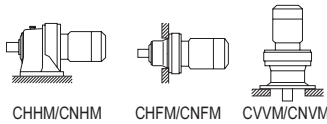
- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*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 #CNHM01, #CHHM01, #CNVM01, #CVVM01

0.1 kW		n ₁ : Motor Speed								  						
		Hz		50Hz		60Hz										
		P	r/min	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	
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
	189	19.3	5400	550	1.32		157	16.0	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	
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		185	18.9	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	9810	1000	2.33				9810	1000	2.81	01 - 6120DA - 377	B-108	B-124	B-143	
			9810	1000	2.33				9810	1000	2.81	01 - 6120DB - 377	B-108	B-124	B-143	
		9810	1000	2.82	9810	1000			3.40	01 - 6125DA - 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
	280	28.6	9810	1000	1.87		232	23.7	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	
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	9810	1000	1.58		275	28.0	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	
385	39.2	9810	1000	1.64	319	32.5	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	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		250	25.5	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	
	433	44.2	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	

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

Selection Tables Gearmotors #CNHM01, #CHHM01, #CNVM01, #CVVM01



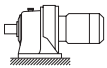
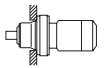
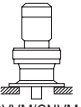
0.1 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

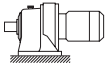
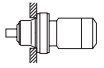
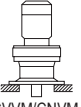
n₁: Motor Speed

50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂ r/min	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂ r/min	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
	N-m	kgf-m	N	kgf			N-m	kgf-m	N	kgf							
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 #CNHM01, #CHHM01, #CNVM01, #CVVM01

0.1 kW		n ₁ : Motor Speed															
		Hz		50Hz		60Hz											
		P	4	6	4	6											
n ₁	r/min	1450	980	1750	1165												
								  									
								CHHM/CNHM CHFM/CNFM CVVM/CNVM									
50Hz					60Hz					Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque 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
0.476	150	15.3	3310	338	*1	0.575	150	15.3	3310	338	*1	01 -	6090DA	- 3045	B-108	B-124	B-143
	192	19.6	3240	330	*1		192	19.6	3240	330	*1	01 -	6095DA	- 3045	B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 -	6100DA	- 3045	B-108	B-124	B-143
	300	30.6	4780	488	*1		300	30.6	4780	488	*1	01 -	6105DA	- 3045	B-108	B-124	B-143
	525	53.5	9780	997	*1		525	53.5	9780	997	*1	01 -	6120DA	- 3045	B-108	B-124	B-143
630	64.2	9560	974	*1	630	64.2	9560	974	*1	01 -	6125DA	- 3045	B-108	B-124	B-143		
0.417	146	14.9	3300	336	*1	0.503	146	14.9	3300	336	*1	01 -	6090DA	- 3481	B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 -	6100DA	- 3481	B-108	B-124	B-143
	296	30.2	5090	519	*1		296	30.2	5090	519	*1	01 -	6105DA	- 3481	B-108	B-124	B-143
	525	53.5	9810	1000	*1		525	53.5	9810	1000	*1	01 -	6120DA	- 3481	B-108	B-124	B-143
	630	64.2	9810	1000	*1		630	64.2	9810	1000	*1	01 -	6125DA	- 3481	B-108	B-124	B-143
0.327	150	15.3	3310	338	*1	0.394	150	15.3	3310	338	*1	01 -	6090DA	- 4437	B-108	B-124	B-143
	192	19.6	3240	330	*1		192	19.6	3240	330	*1	01 -	6095DA	- 4437	B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 -	6100DA	- 4437	B-108	B-124	B-143
	300	30.6	4780	488	*1		300	30.6	4780	488	*1	01 -	6105DA	- 4437	B-108	B-124	B-143
	525	53.5	9780	997	*1		525	53.5	9780	997	*1	01 -	6120DA	- 4437	B-108	B-124	B-143
630	64.2	9560	974	*1	630	64.2	9560	974	*1	01 -	6125DA	- 4437	B-108	B-124	B-143		
0.282	150	15.3	3310	338	*1	0.341	150	15.3	3310	338	*1	01 -	6090DA	- 5133	B-108	B-124	B-143
	192	19.6	3240	330	*1		192	19.6	3240	330	*1	01 -	6095DA	- 5133	B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	01 -	6100DA	- 5133	B-108	B-124	B-143
	300	30.6	4780	488	*1		300	30.6	4780	488	*1	01 -	6105DA	- 5133	B-108	B-124	B-143
	525	53.5	9780	997	*1		525	53.5	9780	997	*1	01 -	6120DA	- 5133	B-108	B-124	B-143
630	64.2	9560	974	*1	630	64.2	9560	974	*1	01 -	6125DA	- 5133	B-108	B-124	B-143		
0.235	525	53.5	9780	997	*1	0.283	525	53.5	9780	997	*1	01 -	6120DB	- 6177	B-108	B-124	B-143
	630	64.2	9560	974	*1		630	64.2	9560	974	*1	01 -	6125DB	- 6177	B-108	B-124	B-143
0.192	525	53.5	9780	997	*1	0.231	525	53.5	9780	997	*1	01 -	6120DB	- 7569	B-108	B-124	B-143
	630	64.2	9560	974	*1		630	64.2	9560	974	*1	01 -	6125DB	- 7569	B-108	B-124	B-143

0.2 kW		n ₁ : Motor Speed															
		Hz		50Hz		60Hz											
		P	4	6	4	6											
n ₁	r/min	1450	980	1750	1165												
								  									
								CHHM/CNHM CHFM/CNFM CVVM/CNVM									
50Hz					60Hz					Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque Tout		Alloeeable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Alloeeable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	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

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