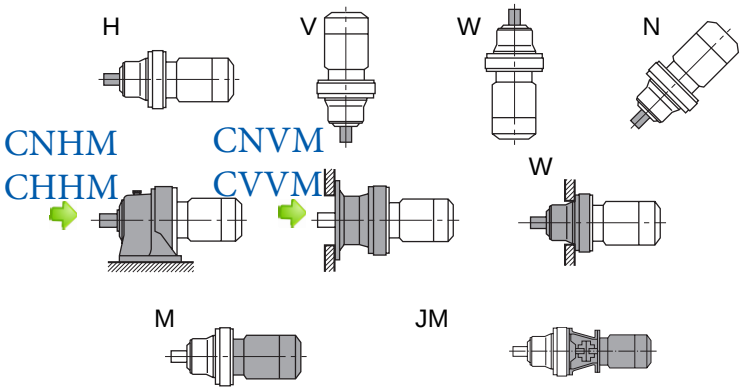
Nomenclatue

Slow Speed Shaft Direction	
Horizontal, slow speed shaft level	H
Vertical, slow speed shaft down	V
Verticaly, 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)
	Capacity symbol	50	60	75	100		
	kW (HP)	37 (50)	45 (60)	55 (75)	75 (100)		
6P	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

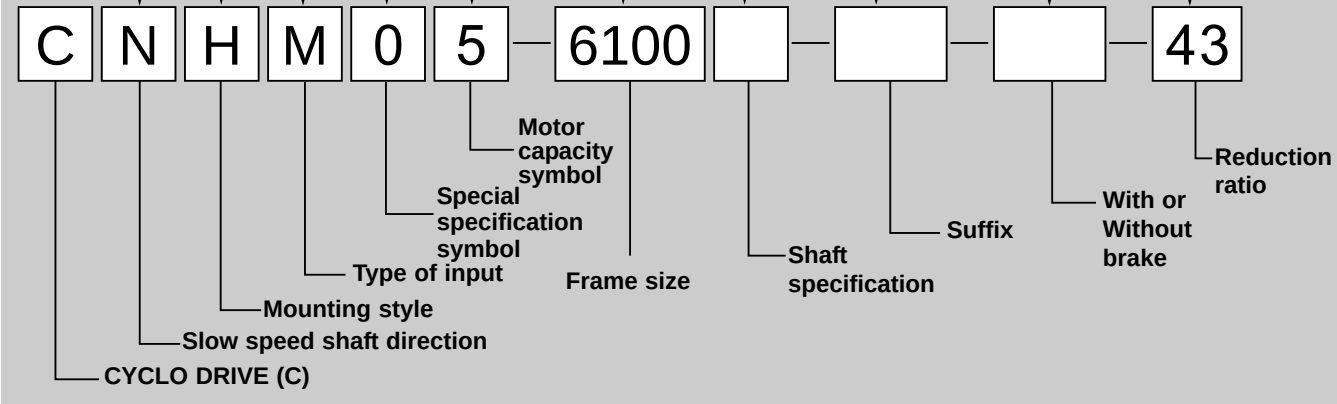
Suffix

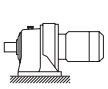
Standard	-	Low Backlash	LB
Light Heavy Radial	R1	With AF (inverter) motor	AV
High Cap. Brg. Ductile Casing	R2	Servo Motor	SV
Baseplate	BP	DC Motor	DV
HH Type Ceiling	H1	High Efficency Motor	ES
Modification Left Wall	H2	Torque Limiter	TL
Modification Right Wall	H3		

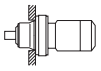
Frame size (Refer to Selection Tables starting from 6075)

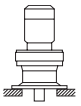
With or Without Brake	
Without brake	-
With brake	B

Nominal ratio




CHHM/CNHM


CHFM/CNFM


CVVM/CNVM

n_1: Motor Speed

0.4 kW	Hz	50Hz		60Hz	
	P	4	6	4	6
	n_1 r/min	1450	980	1750	1165

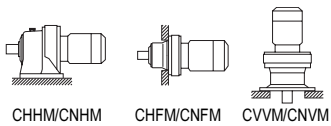
50Hz						60Hz						Nomenclature				Page of Dimension Sheet		
Output Speed n_2	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n_2	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio		CNHM CHHM	CNFM CHFM	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf								
			1180	120	2.78				1120	114	2.78	05 -	6070SK	- 2.5 *3		B-98	-	B-133
580	6.26	0.638	1180	120	3.47	700	5.18	0.528	1120	114	3.47	05 -	6075SK	- 2.5 *3		B-98	-	B-133
			1310	134	4.12				1250	127	4.12	05 -	6080SK	- 2.5 *3		B-98	-	B-133
			1240	126	2.65				1180	120	2.65	05 -	6070SK	- 3 *3		B-98	-	B-133
483	7.51	0.765	1240	126	3.31	583	6.22	0.634	1180	120	3.31	05 -	6075SK	- 3 *3		B-98	-	B-133
			1380	141	4.12				1300	133	4.12	05 -	6080SK	- 3 *3		B-98	-	B-133
			1340	137	2.34				1290	131	2.34	05 -	6070SK	- 4 *3		B-98	-	B-133
363	10.0	1.02	1340	137	2.92	438	8.29	0.846	1290	131	2.92	05 -	6075SK	- 4 *3		B-98	-	B-133
			1500	153	4.12				1420	145	4.12	05 -	6080SK	- 4 *3		B-98	-	B-133
			1370	140	2.22				1290	132	2.22	05 -	6070SK	- 5 *3		B-98	-	B-133
290	12.5	1.28	1370	140	2.78	350	10.4	1.06	1290	132	2.78	05 -	6075SK	- 5 *3		B-98	-	B-133
			1640	167	3.88				1550	158	3.88	05 -	6080SK	- 5 *3		B-98	-	B-133
			1370	140	1.96				1290	132	1.96	05 -	6070SK	- 6 *3		B-98	-	B-133
			1370	140	2.45				1290	132	2.45	05 -	6075SK	- 6 *3		B-98	-	B-133
			1720	175	3.24				1630	166	3.24	05 -	6080SK	- 6 *3		B-98	-	B-133
			1720	175	4.05				1630	166	4.05	05 -	6085SK	- 6 *3		B-98	-	B-133
242	15.0	1.53	**1370**	**140**	**1.02**	292	12.4	1.27	**1290**	**132**	**1.02**	**05 -**	**6075**	**- 6**		**B-100**	**B-116**	**B-135**
			1920	196	1.48				1810	184	1.48	05 -	6080	- 6		B-100	B-116	B-135
			1920	196	1.95				1810	184	1.95	05 -	6085	- 6		B-100	B-116	B-135
			2860	292	2.88				2690	275	2.88	05 -	6090	- 6		B-100	B-116	B-135
			1510	154	1.47				1430	145	1.47	05 -	6070SK	- 8 *3		B-98	-	B-133
			1510	154	1.84				1430	145	1.84	05 -	6075SK	- 8 *3		B-98	-	B-133
			1820	186	2.74				1730	176	2.74	05 -	6080SK	- 8 *3		B-98	-	B-133
			1820	186	3.43				1730	176	3.43	05 -	6085SK	- 8 *3		B-98	-	B-133
181	20.0	2.04	3280	334	3.76	219	16.6	1.69	3110	317	3.76	05 -	6090SK	- 8 *3		B-98	-	B-133
			3280	334	4.43				3110	317	4.43	05 -	6095SK	- 8 *3		B-98	-	B-133
			1510	**154**	**1.02**				**1430**	**145**	**1.02**	**05 -**	**6075**	**- 8**		**B-100**	**B-116**	**B-135**
			2080	212	1.48				1960	200	1.48	05 -	6080	- 8		B-100	B-116	B-135
			2080	212	1.95				1960	200	1.95	05 -	6085	- 8		B-100	B-116	B-135
			3190	326	2.88				3000	306	2.88	05 -	6090	- 8		B-100	B-116	B-135
			1680	**171**	**1.13**				**1590**	**162**	**1.13**	**05 -**	**6070SK**	**- 10 *3**		**B-98**	**-**	**B-133**
			1680	171	1.42				1590	162	1.42	05 -	6075SK	- 10 *3		B-98	-	B-133
			1930	197	2.20				1840	188	2.20	05 -	6080SK	- 10 *3		B-98	-	B-133
145	25.0	2.55	1930	197	2.75	175	20.7	2.11	1840	188	2.75	05 -	6085SK	- 10 *3		B-98	-	B-133
			3590	366	3.50				3390	346	3.50	05 -	6090SK	- 10 *3		B-98	-	B-133
			3590	366	4.43				3390	346	4.43	05 -	6095SK	- 10 *3		B-98	-	B-133
			1680	**171**	**1.02**				**1590**	**162**	**1.02**	**05 -**	**6075**	**- 11**		**B-100**	**B-116**	**B-135**
			2300	234	1.48				2160	220	1.48	05 -	6080	- 11		B-100	B-116	B-135
132	27.5	2.81	2300	234	1.95	159	22.8	2.33	2160	220	1.95	05 -	6085	- 11		B-100	B-116	B-135
			3340	340	2.88				3340	340	2.88	05 -	6090	- 11		B-100	B-116	B-135
			1770	**180**	**1.02**				**1680**	**171**	**1.02**	**05 -**	**6075**	**- 13**		**B-100**	**B-116**	**B-135**
			2470	251	1.48				2320	237	1.48	05 -	6080	- 13		B-100	B-116	B-135
112	32.5	3.32	2470	251	1.95	135	27.0	2.75	2320	237	1.95	05 -	6085	- 13		B-100	B-116	B-135
			3340	340	2.88				3340	340	2.88	05 -	6090	- 13		B-100	B-116	B-135
			1770	**180**	**1.02**				**1680**	**171**	**1.02**	**05 -**	**6075**	**- 15**		**B-100**	**B-116**	**B-135**
			2550	260	1.48				2400	245	1.48	05 -	6080	- 15		B-100	B-116	B-135
96.7	37.5	3.83	2550	260	1.95	117	31.1	3.17	2400	245	1.95	05 -	6085	- 15		B-100	B-116	B-135
			3340	340	2.88				3340	340	2.88	05 -	6090	- 15		B-100	B-116	B-135
			1770	**180**	**1.02**				**1770**	**180**	**1.02**	**05 -**	**6075**	**- 17**		**B-100**	**B-116**	**B-135**
			2560	261	1.48				2510	256	1.48	05 -	6080	- 17		B-100	B-116	B-135
85.3	42.5	4.34	2560	261	1.95	103	35.3	3.59	2510	256	1.95	05 -	6085	- 17		B-100	B-116	B-135
			3340	340	2.88				3340	340	2.88	05 -	6090	- 17		B-100	B-116	B-135
			1770	**180**	**1.02**				**1770**	**180**	**1.02**	**05 -**	**6075**	**- 21**		**B-100**	**B-116**	**B-135**
			2560	261	1.20				2450	250	1.20	05 -	6080	- 21		B-100	B-116	B-135
69.0	52.6	5.36	2560	261	1.38	83.3	43.5	4.44	2450	250	1.38	05 -	6085	- 21		B-100	B-116	B-135
			3340	340	1.90				3340	340	1.90	05 -	6090	- 21		B-100	B-116	B-135

6. "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
7. Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
8. "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
9. Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

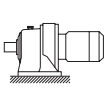
n_1: Motor Speed

0.4 kW	Hz	50Hz		60Hz	
	P	4	6	4	6
	n_1 r/min	1450	980	1750	1165

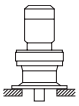

CHHM/CNHM CHFM/CNFM CVVM/CNVM

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 CHHM	CNFM CHFM	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf								
			2560	**261**	**1.19**				**2520**	**256**	**1.19**	**05 -**		**6085**	**- 25**	**B-100**	**B-116**	**B-135**
58.0	62.6	6.38	3340	340	1.68	70.0	51.8	5.28	3340	340	1.68	05 -		6090	- 25	B-100	B-116	B-135
			3340	340	2.17				3340	340	2.17	05 -		6095	- 25	B-100	B-116	B-135
			2560	**261**	**1.17**				**2560**	**261**	**1.17**	**05 -**		**6085**	**- 29**	**B-100**	**B-116**	**B-135**
50.0	72.6	7.40	3340	340	1.56	60.3	60.1	6.13	3340	340	1.56	05 -		6090	- 29	B-100	B-116	B-135
			3340	340	1.96				3340	340	1.96	05 -		6095	- 29	B-100	B-116	B-135
			2560	261	0.82				2560	261	0.93	05 -		6085	- 35	B-100	B-116	B-135
			3340	340	1.53				3340	340	1.53	05 -		6090	- 35	B-100	B-116	B-135
41.4	87.6	8.93	3340	340	1.90	50.0	72.6	7.40	3340	340	1.90	05 -		6095	- 35	B-100	B-116	B-135
			5400	550	2.44				5400	550	2.44	05 -		6100	- 35	B-101	B-117	B-136
			5400	550	3.00				5400	550	3.00	05 -		6105	- 35	B-101	B-117	B-136
			3340	**340**	**1.09**				**3340**	**340**	**1.09**	**05 -**		**6090**	**- 43**	**B-100**	**B-116**	**B-135**
			3340	340	1.51				3340	340	1.51	05 -		6095	- 43	B-100	B-116	B-135
33.7	108	11.0	5400	550	1.95	40.7	89.2	9.09	5400	550	1.95	05 -		6100	- 43	B-101	B-117	B-136
			5400	550	2.70				5400	550	2.70	05 -		6105	- 43	B-101	B-117	B-136
			3320	**339**	**1.02**				**3340**	**340**	**1.06**	**05 -**		**6095**	**- 51**	**B-100**	**B-116**	**B-135**
			5400	550	1.40				5400	550	1.40	05 -		6100	- 51	B-101	B-117	B-136
28.4	128	13.0	5400	550	1.94	34.3	106	10.8	5400	550	1.94	05 -		6105	- 51	B-101	B-117	B-136
			7610	776	2.36				7610	776	2.36	05 -		6110	- 51	B-101	B-117	B-136
			7610	776	2.78				7610	776	2.78	05 -		6115	- 51	B-101	B-117	B-136
			3300	336	0.84				3340	340	0.93	05 -		6095	- 59	B-100	B-116	B-135
			5400	**550**	**1.29**				**5400**	**550**	**1.29**	**05 -**		**6100**	**- 59**	**B-101**	**B-117**	**B-136**
24.6	148	15.1	5400	550	1.70	29.7	122	12.5	5400	550	1.77	05 -		6105	- 59	B-101	B-117	B-136
			7610	776	2.15				7610	776	2.15	05 -		6110	- 59	B-101	B-117	B-136
			7610	776	2.53				7610	776	2.53	05 -		6115	- 59	B-101	B-117	B-136
			5400	**550**	**1.09**				**5400**	**550**	**1.09**	**05 -**		**6100**	**- 71**	**B-101**	**B-117**	**B-136**
			5400	550	1.27				5400	550	1.40	05 -		6105	- 71	B-101	B-117	B-136
			7610	776	1.67				7610	776	1.67	05 -		6110	- 71	B-101	B-117	B-136
20.4	178	18.1	7610	776	1.90	24.6	147	15.0	7610	776	1.90	05 -		6115	- 71	B-101	B-117	B-136
			9810	1000	2.39				9810	1000	2.39	05 -		6120	- 71	B-101	B-117	B-136
			9810	1000	2.85				9810	1000	3.00	05 -		6125	- 71	B-101	B-117	B-136
			5400	**550**	**1.08**				**5400**	**550**	**1.08**	**05 -**		**6100**	**- 87**	**B-101**	**B-117**	**B-136**
			5400	550	1.26				5400	550	1.41	05 -		6105	- 87	B-101	B-117	B-136
			7610	776	1.65				7610	776	1.65	05 -		6110	- 87	B-101	B-117	B-136
16.7	218	22.2	7610	776	1.90	20.1	180	18.4	7610	776	1.90	05 -		6115	- 87	B-101	B-117	B-136
			9810	1000	2.36				9810	1000	2.36	05 -		6120	- 87	B-101	B-117	B-136
			9810	1000	2.58				9810	1000	2.83	05 -		6125	- 87	B-101	B-117	B-136
	150	15.3	3340	340	*1		150	15.3	3340	340	*1	05 -		6090DA	- 104	B-108	B-124	B-143
	181	18.4	3340	340	*1		181	18.4	3340	340	*1	05 -		6095DA	- 104	B-108	B-124	B-143
13.9			**5400**	**550**	**1.01**	16.8			**5400**	**550**	**1.07**	**05 -**		**6100DA**	**- 104**	B-108	B-124	B-143
	247	25.1	5400	550	1.07		204	20.8	5400	550	1.07	05 -		6105DA	- 104	B-108	B-124	B-143
			9810	1000	2.13				9810	1000	2.57	05 -		6120DB	- 104	B-108	B-124	B-143
			9810	1000	2.55				9810	1000	3.08	05 -		6125DB	- 104	B-108	B-124	B-143
	150	15.3	3340	340	*1		150	15.3	3340	340	*1	05 -		6090DA	- 121	B-108	B-124	B-143
	160	16.4	3340	340	*1		160	16.4	3340	340	*1	05 -		6095DA	- 121	B-108	B-124	B-143
12.0			**5400**	**550**	**1.07**	14.5			**5400**	**550**	**1.07**	**05 -**		**6105DA**	**- 121**	B-108	B-124	B-143
	287	29.2	9810	1000	1.83		238	24.2	9810	1000	2.21	05 -		6120DB	- 121	B-108	B-124	B-143
			9810	1000	2.17				9810	1000	2.62	05 -		6125DB	- 121	B-108	B-124	B-143
			14700	1500	2.72				14700	1500	3.28	05 -		6130DB	- 121	B-109	B-125	B-144

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


CHHM/CNHM


CHFM/CNFM


CVVM/CNVM

0.4 kW

n_1: Motor Speed

Hz	50Hz		60Hz	
P	4	6	4	6
n_1 r/min	1450	980	1750	1165

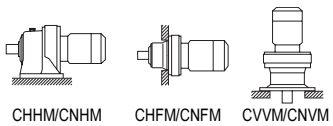
50Hz						60Hz						Nomenclature	Page of Dimension Sheet		
Output Speed n_2	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n_2	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol - Frame Size - Reduction Ratio	CNHM CHHM	CNFM CHFM	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					
10.1	183	18.7	3340	340	*1	12.2	183	18.7	3340	340	*1	05 - 6095DA - 143	B-108	B-124	B-143
	250	25.5	5400	550	*1		250	25.5	5400	550	*1	05 - 6100DA - 143	B-108	B-124	B-143
			5400	550	0.88				5400	550	1.07	05 - 6105DA - 143	B-108	B-124	B-143
			9810	**1000**	**1.07**				**9810**	**1000**	**1.07**	**05 - 6120DA - 143**	B-108	B-124	B-143
			9810	1000	1.55				9810	1000	1.87	05 - 6120DB - 143	B-108	B-124	B-143
	339	34.6	9810	1000	1.86		281	28.6	9810	1000	2.24	05 - 6125DB - 143	B-108	B-124	B-143
			14700	1500	2.30				14700	1500	2.78	05 - 6130DB - 143	B-109	B-125	B-144
			14700	1500	2.77				14700	1500	3.35	05 - 6135DB - 143	B-109	B-125	B-144
8.79	250	25.5	5400	550	*1	10.6	250	25.5	5400	550	*1	05 - 6100DA - 165	B-108	B-124	B-143
	300	30.6	5400	550	*1		300	30.6	5400	550	*1	05 - 6105DA - 165	B-108	B-124	B-143
			9810	**1000**	**1.07**				**9810**	**1000**	**1.07**	**05 - 6120DA - 165**	**B-108**	**B-124**	**B-143**
			9810	1000	1.34				9810	1000	1.62	05 - 6120DB - 165	B-108	B-124	B-143
	391	39.9	9810	1000	1.61		324	33.0	9810	1000	1.94	05 - 6125DB - 165	B-108	B-124	B-143
			14700	1500	1.99				14700	1500	2.41	05 - 6130DB - 165	B-109	B-125	B-144
			14700	1500	2.40				14700	1500	2.90	05 - 6135DB - 165	B-109	B-125	B-144
7.44	250	25.5	5400	550	*1	8.97	250	25.5	5400	550	*1	05 - 6100DA - 195	B-108	B-124	B-143
	300	30.6	5400	550	*1		300	30.6	5400	550	*1	05 - 6105DA - 195	B-108	B-124	B-143
			9810	**1000**	**1.07**				**9810**	**1000**	**1.07**	**05 - 6120DA - 195**	**B-108**	**B-124**	**B-143**
			9810	1000	1.14				9810	1000	1.37	05 - 6120DB - 195	B-108	B-124	B-143
			9810	1000	1.36				9810	1000	1.64	05 - 6125DB - 195	B-108	B-124	B-143
	462	47.1	14700	1500	1.69		383	39.1	14700	1500	2.04	05 - 6130DB - 195	B-109	B-125	B-144
			14700	1500	2.03				14700	1500	2.45	05 - 6135DB - 195	B-109	B-125	B-144
			16000	1630	2.65				16000	1630	3.20	05 - 6140DB - 195	B-109	B-125	B-144
			16000	1630	2.94				16000	1630	3.54	05 - 6145DB - 195	B-109	B-125	B-144
6.28	300	30.6	5400	550	*1	7.58	300	30.6	5400	550	*1	05 - 6105DA - 231	B-108	B-124	B-143
			9810	**1000**	**1.07**				**9810**	**1000**	**1.07**	**05 - 6125DA - 231**	**B-108**	**B-124**	**B-143**
			9810	1000	1.15				9810	1000	1.39	05 - 6125DB - 231	B-108	B-124	B-143
	548	55.8	14700	1500	1.42		454	46.3	14700	1500	1.72	05 - 6130DB - 231	B-109	B-125	B-144
			14700	1500	1.72				14700	1500	2.07	05 - 6135DB - 231	B-109	B-125	B-144
			16000	1630	2.24				16000	1630	2.70	05 - 6140DB - 231	B-109	B-125	B-144
			16000	1630	2.44				16000	1630	2.95	05 - 6145DB - 231	B-109	B-125	B-144
5.31	522	53.2	9810	1000	*1	6.41	522	53.2	9810	1000	*1	05 - 6120DA - 273	B-108	B-124	B-143
			9810	1000	0.97				9810	1000	1.07	05 - 6125DA - 273	B-108	B-124	B-143
			9810	1000	0.97				9810	1000	1.17	05 - 6125DB - 273	B-108	B-124	B-143
			14700	**1500**	**1.07**				**14700**	**1500**	**1.07**	**05 - 6130DA - 273**	**B-109**	**B-125**	**B-144**
	647	66.0	14700	1500	1.21		536	54.7	14700	1500	1.45	05 - 6130DB - 273	B-109	B-125	B-144
			14700	1500	1.45				14700	1500	1.75	05 - 6135DB - 273	B-109	B-125	B-144
			16000	1630	1.89				16000	1630	2.28	05 - 6140DB - 273	B-109	B-125	B-144
			16000	1630	2.07				16000	1630	2.49	05 - 6145DB - 273	B-109	B-125	B-144
			22100	2250	2.71				22100	2250	3.27	05 - 6160DA - 273	B-110	B-126	B-145
4.55	520	53.0	9810	1000	*1	5.49	520	53.0	9810	1000	*1	05 - 6120DA - 319	B-108	B-124	B-143
			9810	1000	0.83				9810	1000	1.01	05 - 6125DA - 319	B-108	B-124	B-143
			14700	**1500**	**1.03**				**14700**	**1500**	**1.07**	**05 - 6130DA - 319**	**B-109**	**B-125**	**B-144**
			14700	1500	1.03				14700	1500	1.24	05 - 6130DB - 319	B-109	B-125	B-144
			14700	1500	1.07				14700	1500	1.07	05 - 6135DA - 319	B-109	B-125	B-144
	756	77.1	14700	1500	1.24		627	63.9	14700	1500	1.50	05 - 6135DB - 319	B-109	B-125	B-144
			16000	1630	1.62				16000	1630	1.95	05 - 6140DB - 319	B-109	B-125	B-144
			16000	1630	1.81				16000	1630	2.19	05 - 6145DB - 319	B-109	B-125	B-144
			22100	2250	2.32				22100	2250	2.80	05 - 6160DA - 319	B-110	B-126	B-145
			22100	2250	2.78				22100	2250	3.35	05 - 6165DA - 319	B-110	B-126	B-145

6. "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
7. Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
8. "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
9. Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

n_1: Motor Speed

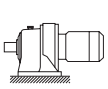
0.4 kW	Hz	50Hz		60Hz	
	P	4	6	4	6
	n_1 r/min	1450	980	1750	1165



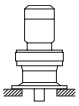
CHHM/CNHM CHFM/CNFM CVVM/CNVM

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 CHHM	CNFM CHFM	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					
3.85	520	53.0	9810	1000	*1	4.64	520	53.0	9810	1000	*1	05 - 6120DA - 377	B-108	B-124	B-143
	630	64.2	9810	1000	*1		630	64.2	9810	1000	*1	05 - 6125DA - 377	B-108	B-124	B-143
	894	91.1	**14700**	**1500**	**1.05**		741	75.5	**14700**	**1500**	**1.07**	**05 - 6135DA - 377**	**B-109**	**B-125**	**B-144**
			14700	1500	1.05				14700	1500	1.27	05 - 6135DB - 377	B-109	B-125	B-144
			16000	1630	1.07				16000	1630	1.07	05 - 6140DA - 377	B-109	B-125	B-144
			16000	1630	1.37				16000	1630	1.65	05 - 6140DB - 377	B-109	B-125	B-144
			16000	1630	1.53				16000	1630	1.85	05 - 6145DB - 377	B-109	B-125	B-144
			22100	2250	1.96				22100	2250	2.37	05 - 6160DA - 377	B-110	B-126	B-145
			22100	2250	2.35				22100	2250	2.84	05 - 6165DA - 377	B-110	B-126	B-145
			29500	3010	2.83				29500	3010	3.42	05 - 6170DA - 377	B-110	B-126	B-145
3.07	630	64.2	9810	1000	*1	3.70	630	64.2	9810	1000	*1	05 - 6125DA - 473	B-108	B-124	B-143
	780	79.5	14700	1500	*1		780	79.5	14700	1500	*1	05 - 6130DA - 473	B-109	B-125	B-144
	1120	114	14700	1500	0.84		929	94.7	14700	1500	1.01	05 - 6135DA - 473	B-109	B-125	B-144
			16000	**1630**	**1.07**				**16000**	**1630**	**1.07**	**05 - 6140DA - 473**	**B-109**	**B-125**	**B-144**
			16000	1630	1.09				16000	1630	1.32	05 - 6140DB - 473	B-109	B-125	B-144
			16000	1630	1.22				16000	1630	1.47	05 - 6145DB - 473	B-109	B-125	B-144
			22100	2250	1.55				22100	2250	1.87	05 - 6160DA - 473	B-110	B-126	B-145
			22100	2250	1.87				22100	2250	2.26	05 - 6165DA - 473	B-110	B-126	B-145
			29500	3010	2.26				29500	3010	2.72	05 - 6170DA - 473	B-110	B-126	B-145
			29500	3010	2.81				29500	3010	3.39	05 - 6175DA - 473	B-110	B-126	B-145
2.59	780	79.5	14700	1500	*1	3.13	780	79.5	14700	1500	*1	05 - 6130DA - 559	B-109	B-125	B-144
	940	95.8	14700	1500	*1		940	95.8	14700	1500	*1	05 - 6135DA - 559	B-109	B-125	B-144
	1330	135	**15900**	**1620**	**1.03**		1100	112	**16000**	**1630**	**1.07**	**05 - 6145DA - 559**	**B-109**	**B-125**	**B-144**
			15900	1620	1.03				16000	1630	1.25	05 - 6145DB - 559	B-109	B-125	B-144
			22100	2250	1.31				22100	2250	1.58	05 - 6160DA - 559	B-110	B-126	B-145
			22100	2250	1.58				22100	2250	1.91	05 - 6165DA - 559	B-110	B-126	B-145
			29500	3010	1.91				29500	3010	2.30	05 - 6170DA - 559	B-110	B-126	B-145
			29500	3010	2.38				29500	3010	2.87	05 - 6175DA - 559	B-110	B-126	B-145
2.23	912	93.0	14700	1500	*1	2.70	912	93.0	14700	1500	*1	05 - 6130DA - 649	B-109	B-125	B-144
	1050	107	14700	1500	*1		1050	107	14700	1500	*1	05 - 6135DA - 649	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	05 - 6140DA - 649	B-109	B-125	B-144
	1540	157	16000	1630	0.89		1280	130	16000	1630	1.07	05 - 6145DA - 649	B-109	B-125	B-144
			22100	2250	1.14				22100	2250	1.38	05 - 6160DA - 649	B-110	B-126	B-145
			22100	2250	1.36				22100	2250	1.65	05 - 6165DA - 649	B-110	B-126	B-145
			29500	3010	1.64				29500	3010	1.98	05 - 6170DA - 649	B-110	B-126	B-145
			29500	3010	2.05				29500	3010	2.47	05 - 6175DA - 649	B-110	B-126	B-145
1.98	940	95.8	14700	1500	*1	2.39	940	95.8	14700	1500	*1	05 - 6135DA - 731	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	05 - 6140DA - 731	B-109	B-125	B-144
	1370	140	15700	1600	*1		1370	140	15700	1600	*1	05 - 6145DA - 731	B-109	B-125	B-144
	1730	177	**22100**	**2250**	**1.00**		1440	146	**22100**	**2250**	**1.21**	**05 - 6160DA - 731**	**B-110**	**B-126**	**B-145**
			22100	2250	1.21				22100	2250	1.46	05 - 6165DA - 731	B-110	B-126	B-145
			29500	3010	1.46				29500	3010	1.76	05 - 6170DA - 731	B-110	B-126	B-145
			29500	3010	1.82				29500	3010	2.19	05 - 6175DA - 731	B-110	B-126	B-145
1.72	1230	125	16000	1630	*1	2.08	1230	125	16000	1630	*1	05 - 6140DA - 841	B-109	B-125	B-144
	1370	140	15800	1610	*1		1250	127	16000	1630	*1	05 - 6145DA - 841	B-109	B-125	B-144
	1990	203	**22100**	**2250**	**1.05**		1650	168	**22100**	**2250**	**1.27**	**05 - 6165DA - 841**	B-110	B-126	B-145
			29500	3010	1.27				29500	3010	1.53	05 - 6170DA - 841	B-110	B-126	B-145
			29500	3010	1.58				29500	3010	1.91	05 - 6175DA - 841	B-110	B-126	B-145
1.45	1370	140	16000	1630	*1	1.74	1370	140	16000	1630	*1	05 - 6145DA - 1003	B-109	B-125	B-144
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	05 - 6160DA - 1003	B-110	B-126	B-145
	2380	242	22100	2250	0.88		1970	201	22100	2250	1.07	05 - 6165DA - 1003	B-110	B-126	B-145
			29500	**3010**	**1.06**				**29500**	**3010**	**1.28**	**05 - 6170DA - 1003**	B-110	B-126	B-145
			29500	3010	1.32				29500	3010	1.60	05 - 6175DA - 1003	B-110	B-126	B-145
1.16	1740	177	22100	2250	*1	1.40	1740	177	22100	2250	*1	05 - 6160DA - 1247	B-110	B-126	B-145
	2100	214	22100	2250	*1		2100	214	22100	2250	*1	05 - 6165DA - 1247	B-110	B-126	B-145
	2960	301	**29500**	**3010**	**1.07**		2450	250	**29500**	**3010**	**1.29**	**05 - 6175DA - 1247**	B-110	B-126	B-145

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


CHHM/CNHM


CHFM/CNFM


CVVM/CNVM

0.4 kW

n_1: Motor Speed

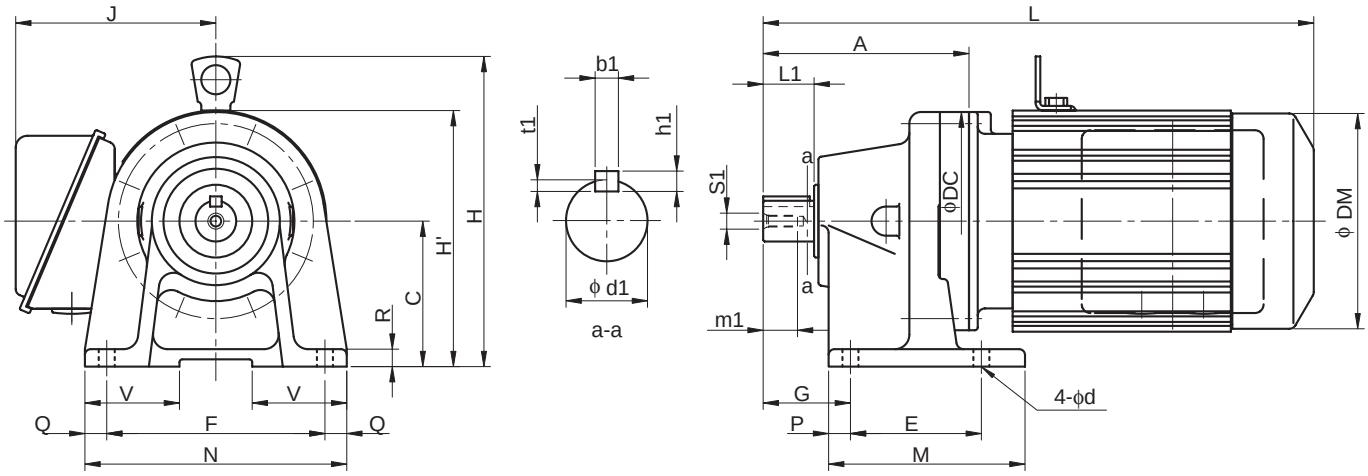
Hz	50Hz		60Hz	
P	4	6	4	6
n_1 r/min	1450	980	1750	1165

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					
0.980	1760	179	22100	2250	*1	1.18	1760	179	22100	2250	*1	05 - 6160DA - 1479	B-110	B-126	B-145
	2050	209	21800	2220	*1		2050	209	21800	2220	*1	05 - 6165DA - 1479	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	05 - 6170DA - 1479	B-110	B-126	B-145
	3510	357	29500	3010	0.90		2910	296	29500	3010	1.08	05 - 6175DA - 1479	B-110	B-126	B-145
0.784	2100	214	22100	2250	*1	0.946	2100	214	22100	2250	*1	05 - 6165DA - 1849	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	05 - 6170DA - 1849	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	05 - 6175DA - 1849	B-110	B-126	B-145
	4380	447	41700	4250	0.93		3630	370	41700	4250	1.12	05 - 6180DA - 1849	B-110	B-126	B-145
0.702	2530	258	29500	3010	*1	0.847	2530	258	29500	3010	*1	05 - 6170DA - 2065	B-110	B-126	B-145
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	05 - 6175DA - 2065	B-110	B-126	B-145
	4050	413	41700	4250	*1		4050	413	41700	4250	*1	05 - 6180DA - 2065	B-110	B-126	B-145
0.572	3150	321	29500	3010	*1	0.690	3150	321	29500	3010	*1	05 - 6175DA - 2537	B-110	B-126	B-145
	4050	413	41700	4250	*1		4050	413	41700	4250	*1	05 - 6180DA - 2537	B-110	B-126	B-145
	5000	510	41600	4240	*1		5000	510	41600	4240	*1	05 - 6185DA - 2537	B-110	B-126	B-145
	6020	613	41200	4200	0.83		4980	508	41600	4240	1.00	05 - 6185DA - 2537	B-110	B-126	B-145
0.476	4060	414	41700	4250	*1	0.575	4060	414	41700	4250	*1	05 - 6180DA - 3045	B-110	B-126	B-145
	5000	510	41700	4250	*1		5000	510	41700	4250	*1	05 - 6185DA - 3045	B-110	B-126	B-145
0.417	4050	413	41700	4250	*1	0.503	4050	413	41700	4250	*1	05 - 6180DA - 3481	B-110	B-126	B-145
	5000	510	41600	4240	*1		5000	510	41600	4240	*1	05 - 6185DA - 3481	B-110	B-126	B-145
0.327	4060	414	41700	4250	*1	0.394	4060	414	41700	4250	*1	05 - 6180DA - 4437	B-110	B-126	B-145
	5000	510	41700	4250	*1		5000	510	41700	4250	*1	05 - 6185DA - 4437	B-110	B-126	B-145
0.282	4060	414	41700	4250	*1	0.341	4060	414	41700	4250	*1	05 - 6180DA - 5133	B-110	B-126	B-145
	5000	510	41700	4250	*1		5000	510	41700	4250	*1	05 - 6185DA - 5133	B-110	B-126	B-145
0.235	4060	414	41700	4250	*1	0.283	4060	414	41700	4250	*1	05 - 6180DA - 6177	B-110	B-126	B-145
	5000	510	41700	4250	*1		5000	510	41700	4250	*1	05 - 6185DA - 6177	B-110	B-126	B-145
0.192	4060	414	41700	4250	*1	0.231	4060	414	41700	4250	*1	05 - 6180DA - 7569	B-110	B-126	B-145
	5000	510	41700	4250	*1		5000	510	41700	4250	*1	05 - 6185DA - 7569	B-110	B-126	B-145

6. "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
7. Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
8. "*3" indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
9. Maintain torque load during operation within "Output torque" in the table for models with "*1" in the SF column. They cannot be operated with 100% motor rating.

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM□ Note 1 - 606□ to 609□



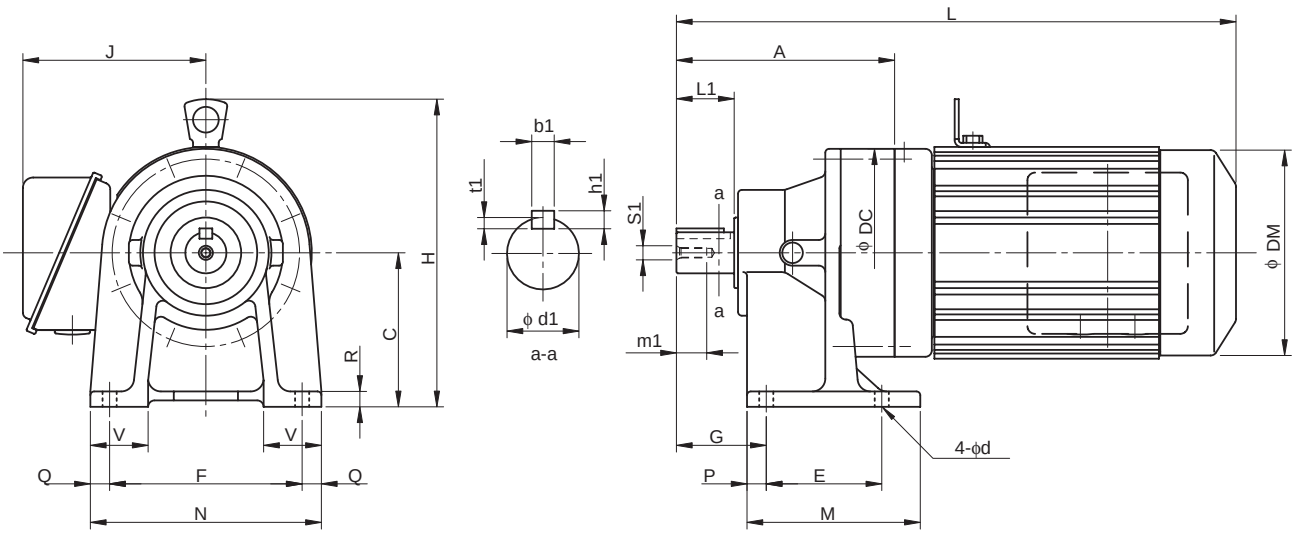
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
606□	92	80	110	60	120	41	84	144	12	12	10	35	9	14	25	5	5	3	M5	16
607□	98	80	110	60	120	47	84	144	12	12	10	35	9	18	30	6	6	3.5	M6	16
608□	129	90	134	75	120	52	99	144	12	12	13	37	9	22	35	6	6	3.5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



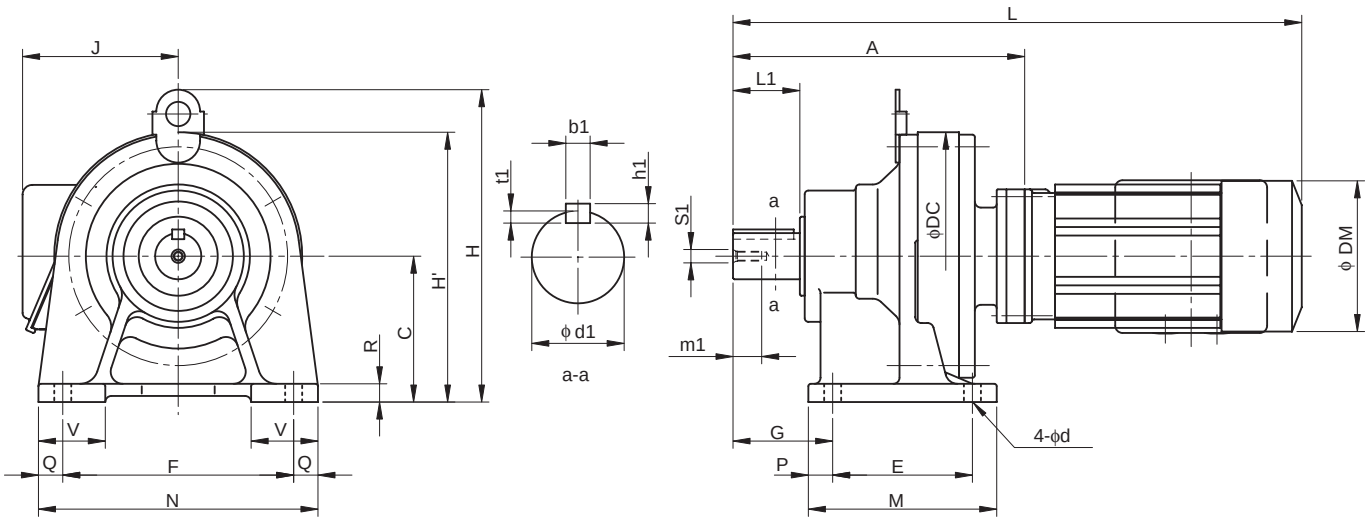
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
610□	156	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20
611□	170	120	162	90	150	70	135	180	15	15	12	45	11	32	45	10	8	5	M8	20
612□	186	120	204	115	190	82	155	230	20	20	15	55	14	38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



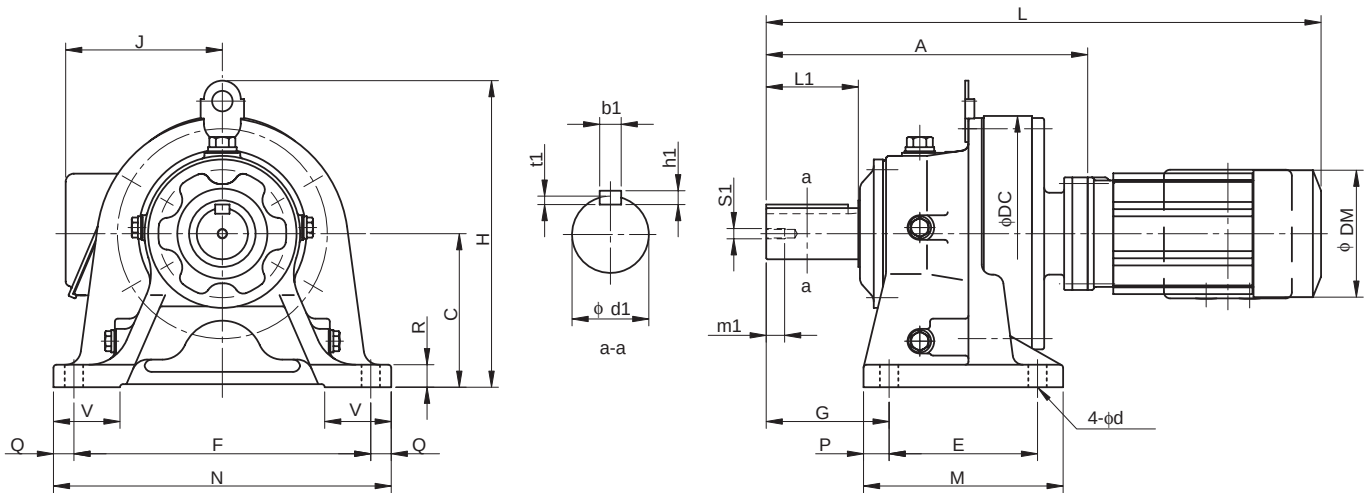
Frame size [Note 4]	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft [Note 2, 3, 6] d1	L1	b1	h1	t1	S1	m1
606□DA	125	80	110	60	120	41	84	144	12	12	10	35	9	14	25	5	5	3	M5	16
607□DA	131	80	110	60	120	47	84	144	12	12	10	35	9	18	30	6	6	3.5	M6	16
609□DA	190	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20
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 kW	P	Standard L	H	H'	J	DM	W(kg)	With Brake L	H	H'	J	DM	W(kg)
CNHM01 - 606□DA - (B) - Ratio	0.1	4	287	-	140	130	119	9	294	-	138	130	124	10
CNHM01 - 607□DA - (B) - Ratio	0.1	4	293	-	140	130	119	9	300	-	138	130	124	10
CNHM02 - 607□DA - (B) - Ratio	0.2	4	311	-	140	130	124	10	339	-	138	130	124	11
CNHM01 - 609□DA - (B) - Ratio	0.1	4	352	207	-	130	119	17	359	207	-	130	124	18
CNHM02 - 609□DA - (B) - Ratio	0.2	4	370	207	-	130	124	18	398	207	-	130	124	19
CNHM03 - 609□DA - (B) - Ratio	0.25	4	370	207	-	130	124	18	398	207	-	130	124	19
CNHM05 - 609□DA - (B) - Ratio	0.4	4	386	207	-	130	124	19	418	207	-	130	124	20
CNHM01 - 610□DA - (B) - Ratio	0.1	4	366	207	-	130	119	19	373	207	-	130	124	20
CNHM02 - 610□DA - (B) - Ratio	0.2	4	384	207	-	130	124	20	412	207	-	130	124	21
CNHM03 - 610□DA - (B) - Ratio	0.25	4	384	207	-	130	124	20	412	207	-	130	124	21
CNHM05 - 610□DA - (B) - Ratio	0.4	4	400	207	-	130	124	21	432	207	-	130	124	22
CNHM01 - 612□DA - (B) - Ratio	0.1	4	402	257	-	130	119	30	409	257	-	130	124	31
CNHM02 - 612□DA - (B) - Ratio	0.2	4	420	257	-	130	124	31	448	257	-	130	124	32
CNHM03 - 612□DA - (B) - Ratio	0.25	4	420	257	-	130	124	31	448	257	-	130	124	32
CNHM05 - 612□DA - (B) - Ratio	0.4	4	436	257	-	130	124	32	468	257	-	130	124	33
CNHM01 - 612□DB - (B) - Ratio	0.1	4	414	257	-	130	119	33	421	257	-	130	124	35
CNHM02 - 612□DB - (B) - Ratio	0.2	4	432	257	-	130	124	34	473	257	-	130	124	36
CNHM03 - 612□DB - (B) - Ratio	0.25	4	432	257	-	130	124	34	473	257	-	130	124	36
CNHM05 - 612□DB - (B) - Ratio	0.4	4	448	257	-	130	124	35	473	257	-	130	124	37
CNHM08 - 612□DB - (B) - Ratio	0.55	4	489	257	-	140	148	39	532	257	-	140	148	42
CNHM1 - 612□DB - (B) - Ratio	0.75	4	489	257	-	140	148	39	532	257	-	140	148	42
CNHM1H - 612□DB - (B) - Ratio	1.1	4	516	257	-	145	160	42	578	257	-	145	160	47
CNHM2 - 612□DB - (B) - Ratio	1.5	4	516	257	-	145	160	42	578	257	-	145	160	47

Note: 1. □ indicates motor capacity.
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."
3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM[Note 1]- 613□DA to 614□DC



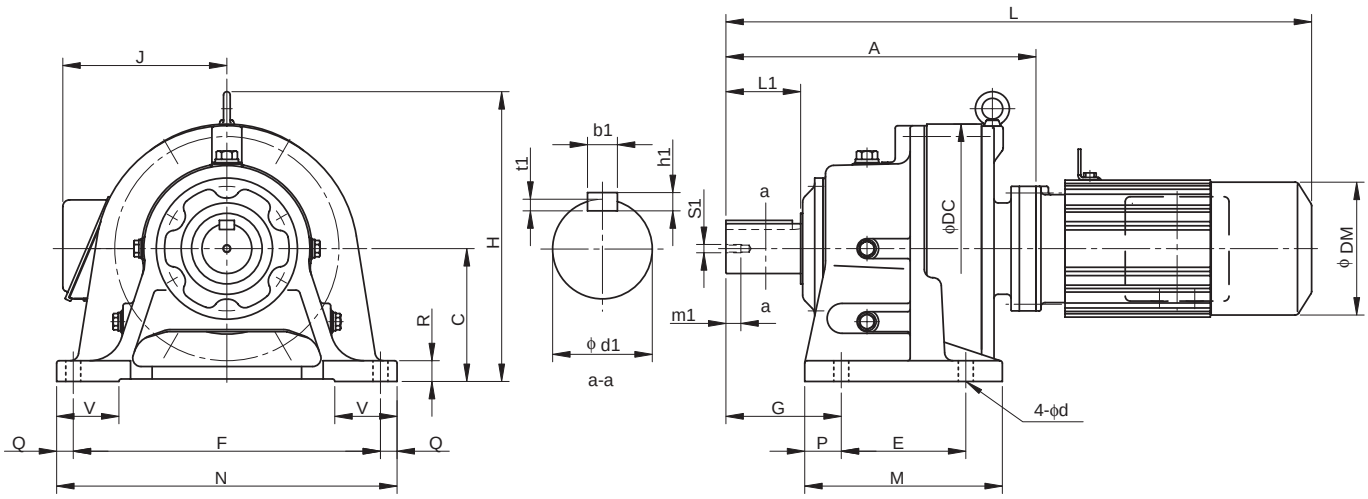
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
613□DA	294	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
613□DB	303	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
613□DC	317	150	230	145	290	100	195	330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

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

Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.
5. "B" after the frame size indicates models equipped with brake.
6. Dimension of shaft end: Refer to pages F-28 to F-29 for details.
7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM□ Note 1 - 616□DA to 618□DA



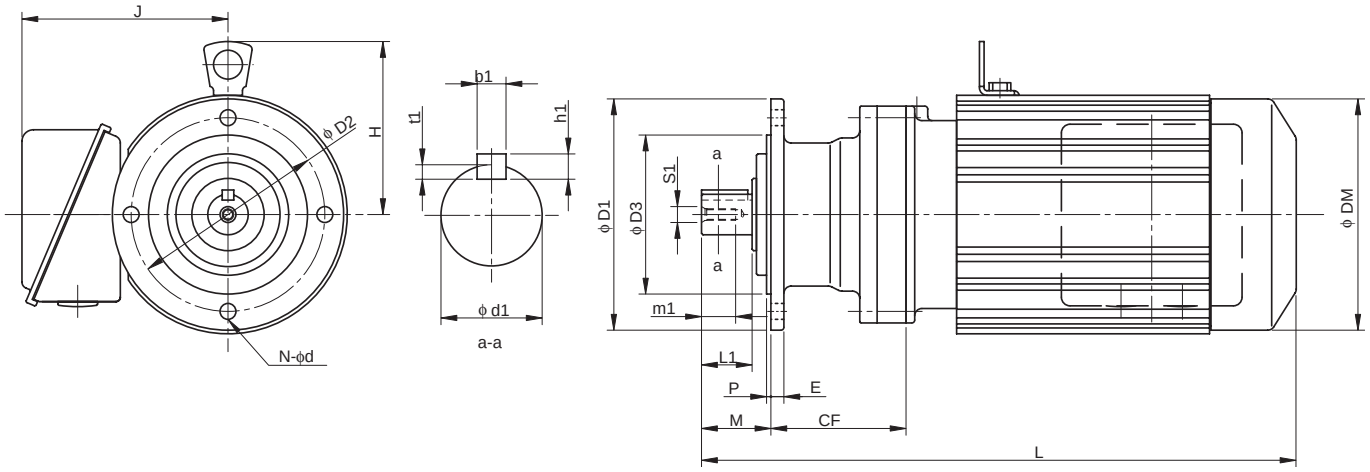
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6					
														d1	L1	b1	h1	t1	S1	m1
616□DA	373	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
616□DB	387	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
617□DA	418	200	340	275	380	125	335	430	30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

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

Note: 1. □ indicates motor capacity.
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."
3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

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

CNVM[Note 1]- 606□ to 609□



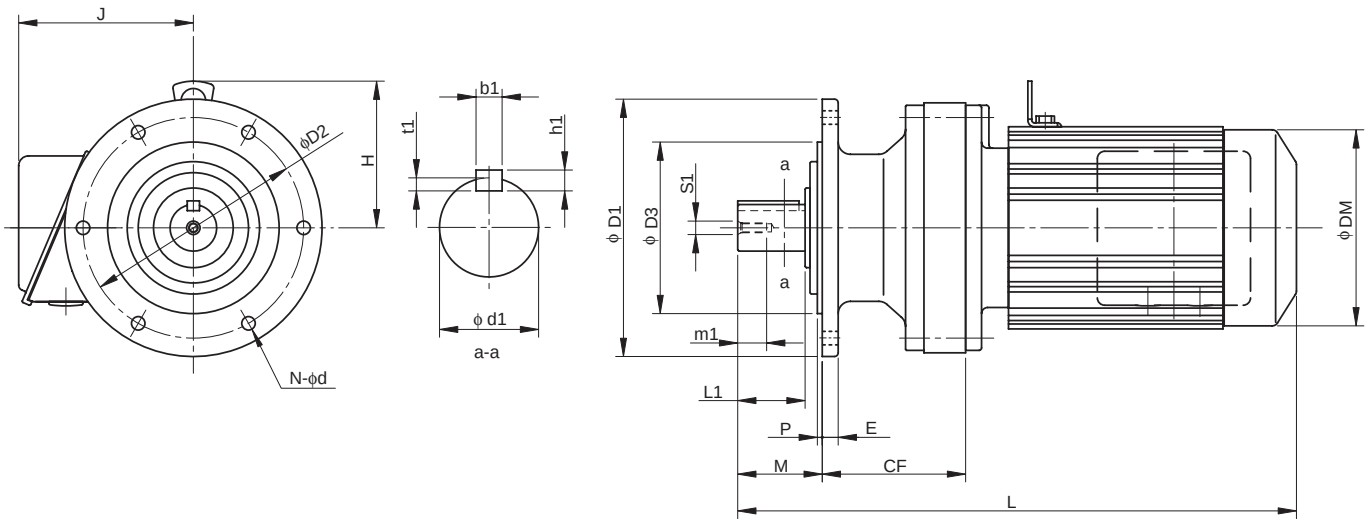
Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
606□	58	120	102	80	34	8	3	6	9	-	14	25	5	5	3	M5	16
607□	56	160	134	110	42	9	3	4	11	-	18	30	6	6	3.5	M6	16
608□	81	160	134	110	48	9	3	4	11	-	22	35	6	6	3.5	M6	16
609□	94	160	134	110	48	9	3	4	11	107	28	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 (φD3): Dimension tolerance conforms to JIS B 0401-1976 “f8.”