CYCLO DRIVE WARRANTY 2 YEARS

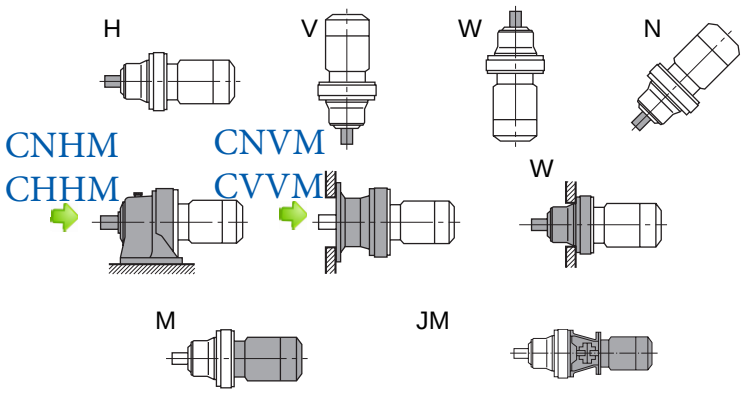
ISO9001 PTC NAGOYA PLANT ISO14001 PTC NAGOYA PLANT

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)					

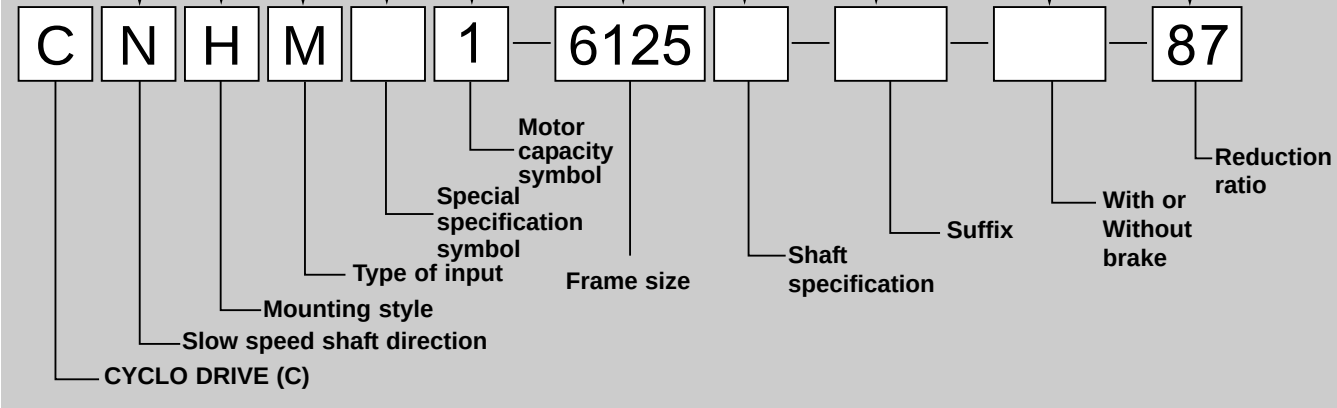
Shaft specification	
Metric JIS (Standard)	-
Inch size	Y
Metric DIN	G

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		

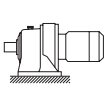
Frame size (Refer to Selection Tables starting from page B-13.)

With or Without Brake	
Without brake	-
With brake	B

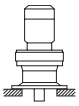
Nominal ratio



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


CHHM/CNHM


CHFM/CNFM


CVVM/CNVM

0.75 kW

n_1: Motor Speed

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

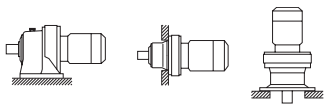
50Hz						60Hz						Nomenclature	Page of Dimension Sheet		
Output Speed n_2	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n_2	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol - Frame Size - Reduction Ratio	CNHM CHHM	CNFM CHFM	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					
			1370	**140**	**1.04**				**1290**	**132**	**1.04**	**1 - 6070SK - 6 *3**	**B-98**	**-**	**B-133**
			1370	140	1.30				1290	132	1.30	1 - 6075SK - 6 *3	B-98	-	B-133
			1580	161	1.73				1520	155	1.73	1 - 6080SK - 6 *3	B-98	-	B-133
			1580	161	2.16				1520	155	2.16	1 - 6085SK - 6 *3	B-98	-	B-133
			2880	294	2.55				2750	280	2.55	1 - 6090SK - 6 *3	B-98	-	B-133
242	28.2	2.87	2880	294	3.03	292	23.3	2.38	2750	280	3.03	1 - 6095SK - 6 *3	B-98	-	B-133
			2880	294	3.56				2750	280	3.56	1 - 6100SK - 6 *3	B-99	-	B-134
			1900	**193**	**1.04**				**1790**	**182**	**1.04**	**1 - 6085 - 6**	**B-100**	**B-116**	**B-135**
			2840	290	1.53				2670	273	1.53	1 - 6090 - 6	B-100	B-116	B-135
			2840	290	2.03				2670	273	2.03	1 - 6095 - 6	B-100	B-116	B-135
			1510	154	0.98				1420	145	0.98	1 - 6075SK - 8 *3	B-98	-	B-133
			1660	169	1.46				1590	162	1.46	1 - 6080SK - 8 *3	B-98	-	B-133
			1660	169	1.83				1590	162	1.83	1 - 6085SK - 8 *3	B-98	-	B-133
			3210	327	2.01				3060	312	2.01	1 - 6090SK - 8 *3	B-98	-	B-133
181	37.5	3.83	3210	327	2.36	219	31.1	3.17	3060	312	2.36	1 - 6095SK - 8 *3	B-98	-	B-133
			3210	327	2.82				3060	312	2.82	1 - 6100SK - 8 *3	B-99	-	B-134
			3210	327	3.32				3060	312	3.32	1 - 6105SK - 8 *3	B-99	-	B-134
			2050	**209**	**1.04**				**1930**	**197**	**1.04**	**1 - 6085 - 8**	**B-100**	**B-116**	**B-135**
			3160	322	1.53				2980	304	1.53	1 - 6090 - 8	B-100	B-116	B-135
			3160	322	2.03				2980	304	2.03	1 - 6095 - 8	B-100	B-116	B-135
			1740	**177**	**1.17**				**1680**	**171**	**1.17**	**1 - 6080SK - 10 *3**	**B-98**	**-**	**B-133**
			1740	177	1.47				1680	171	1.47	1 - 6085SK - 10 *3	B-98	-	B-133
			3380	345	1.87				3240	330	1.87	1 - 6090SK - 10 *3	B-98	-	B-133
145	46.9	4.78	3380	345	2.36	175	38.9	3.96	3240	330	2.36	1 - 6095SK - 10 *3	B-98	-	B-133
			3380	345	2.64				3240	330	2.64	1 - 6100SK - 10 *3	B-99	-	B-134
			3380	345	2.93				3240	330	2.93	1 - 6105SK - 10 *3	B-99	-	B-134
			2250	**230**	**1.04**				**2130**	**217**	**1.04**	**1 - 6085 - 11**	**B-100**	**B-116**	**B-135**
132	51.6	5.26	3340	340	1.53	159	42.8	4.36	3340	340	1.53	1 - 6090 - 11	B-100	B-116	B-135
			3340	340	2.03				3340	340	2.03	1 - 6095 - 11	B-100	B-116	B-135
			2410	**246**	**1.04**				**2280**	**233**	**1.04**	**1 - 6085 - 13**	**B-100**	**B-116**	**B-135**
112	61.0	6.22	3340	340	1.53	135	50.5	5.15	3340	340	1.53	1 - 6090 - 13	B-100	B-116	B-135
			3340	340	2.03				3340	340	2.03	1 - 6095 - 13	B-100	B-116	B-135
			2490	**253**	**1.04**				**2350**	**240**	**1.04**	**1 - 6085 - 15**	**B-100**	**B-116**	**B-135**
96.7	70.4	7.18	3340	340	1.53	117	58.3	5.95	3340	340	1.53	1 - 6090 - 15	B-100	B-116	B-135
			3340	340	2.03				3340	340	2.03	1 - 6095 - 15	B-100	B-116	B-135
			2560	**261**	**1.04**				**2460**	**251**	**1.04**	**1 - 6085 - 17**	**B-100**	**B-116**	**B-135**
85.3	79.8	8.13	3340	340	1.53	103	66.1	6.74	3340	340	1.53	1 - 6090 - 17	B-100	B-116	B-135
			3340	340	2.03				3340	340	2.03	1 - 6095 - 17	B-100	B-116	B-135
			5400	550	2.65				5400	550	2.65	1 - 6100 - 17	B-101	B-117	B-136
			3340	**340**	**1.01**				**3340**	**340**	**1.01**	**1 - 6090 - 21**	**B-100**	**B-116**	**B-135**
69.0	98.5	10.0	3340	340	2.01	83.3	81.7	8.32	3340	340	2.03	1 - 6095 - 21	B-100	B-116	B-135
			5400	550	2.53				5400	550	2.57	1 - 6100 - 21	B-101	B-117	B-136
			3340	**340**	**1.15**				**3340**	**340**	**1.15**	**1 - 6095 - 25**	**B-100**	**B-116**	**B-135**
			5400	550	1.69				5400	550	1.69	1 - 6100 - 25	B-101	B-117	B-136
58.0	117	12.0	5400	550	2.23	70.0	97.2	9.91	5400	550	2.23	1 - 6105 - 25	B-101	B-117	B-136
			7240	738	2.55				6810	694	2.55	1 - 6110 - 25	B-101	B-117	B-136
			7240	738	2.96				6810	694	2.96	1 - 6115 - 25	B-101	B-117	B-136
			3320	**338**	**1.05**				**3340**	**340**	**1.05**	**1 - 6095 - 29**	**B-100**	**B-116**	**B-135**
			5400	550	1.61				5400	550	1.61	1 - 6100 - 29	B-101	B-117	B-136
50.0	136	13.9	5400	550	2.12	60.3	113	11.5	5400	550	2.12	1 - 6105 - 29	B-101	B-117	B-136
			7410	756	2.53				7000	714	2.53	1 - 6110 - 29	B-101	B-117	B-136
			7410	756	2.96				7000	714	2.96	1 - 6115 - 29	B-101	B-117	B-136

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

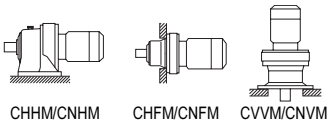
0.75 kW	Hz	50Hz		60Hz	
	P	4	6	4	6
	n_1 r/min	1450	980	1750	1165



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							
			3270	**334**	**1.01**				**3330**	**339**	**1.01**	**1 -**	**6095**	**- 35**	**B-100**	**B-116**	**B-135**
			5400	550	1.30				5400	550	1.30	1 -	6100	- 35	B-101	B-117	B-136
41.4	164	16.7	5400	550	1.60	50.0	136	13.9	5400	550	1.60	1 -	6105	- 35	B-101	B-117	B-136
			7470	761	2.00				7490	764	2.00	1 -	6110	- 35	B-101	B-117	B-136
			7470	761	2.41				7490	764	2.41	1 -	6115	- 35	B-101	B-117	B-136
			3210	328	0.80				3280	334	0.80	1 -	6095	- 43	B-100	B-116	B-135
			5400	**550**	**1.04**				**5400**	**550**	**1.04**	**1 -**	**6100**	**- 43**	**B-101**	**B-117**	**B-136**
			5400	550	1.44				5400	550	1.44	1 -	6105	- 43	B-101	B-117	B-136
33.7	202	20.6	7610	776	1.73	40.7	167	17.0	7610	776	1.73	1 -	6110	- 43	B-101	B-117	B-136
			7610	776	2.03				7610	776	2.03	1 -	6115	- 43	B-101	B-117	B-136
			9810	1000	2.55				9640	983	2.55	1 -	6120	- 43	B-101	B-117	B-136
			5400	**550**	**1.03**				**5390**	**549**	**1.03**	**1 -**	**6105**	**- 51**	**B-101**	**B-117**	**B-136**
			7610	776	1.26				7610	776	1.26	1 -	6110	- 51	B-101	B-117	B-136
28.4	239	24.4	7610	776	1.48	34.3	198	20.2	7610	776	1.48	1 -	6115	- 51	B-101	B-117	B-136
			9810	1000	2.17				9810	1000	2.29	1 -	6120	- 51	B-101	B-117	B-136
			9810	1000	2.63				9810	1000	3.04	1 -	6125	- 51	B-101	B-117	B-136
			5400	550	0.91				5370	548	0.94	1 -	6105	- 59	B-101	B-117	B-136
			7610	**776**	**1.15**				**7610**	**776**	**1.15**	**1 -**	**6110**	**- 59**	**B-101**	**B-117**	**B-136**
			7610	776	1.35				7610	776	1.35	1 -	6115	- 59	B-101	B-117	B-136
24.6	277	28.2	9810	1000	1.73	29.7	229	23.4	9810	1000	1.73	1 -	6120	- 59	B-101	B-117	B-136
			9810	1000	2.16				9810	1000	2.16	1 -	6125	- 59	B-101	B-117	B-136
			13200	1340	2.81				12400	1270	2.92	1 -	6130	- 59	B-102	B-118	B-137
			7610	775	1.01				7610	776	1.01	1 -	6115	- 71	B-101	B-117	B-136
			9810	**1000**	**1.28**				**9810**	**1000**	**1.28**	**1 -**	**6120**	**- 71**	**B-101**	**B-117**	**B-136**
20.4	333	34.0	9810	1000	1.52	24.6	276	28.1	9810	1000	1.60	1 -	6125	- 71	B-101	B-117	B-136
			14000	1420	2.35				13100	1340	2.44	1 -	6130	- 71	B-102	B-118	B-137
			14000	1420	2.71				13100	1340	2.89	1 -	6135	- 71	B-102	B-118	B-137
			7550	770	1.01				7610	776	1.01	1 -	6115	- 87	B-101	B-117	B-136
			9810	**1000**	**1.26**				**9810**	**1000**	**1.26**	**1 -**	**6120**	**- 87**	**B-101**	**B-117**	**B-136**
			9810	1000	1.37				9810	1000	1.51	1 -	6125	- 87	B-101	B-117	B-136
16.7	408	41.6	14700	1500	1.89	20.1	338	34.5	14200	1440	1.89	1 -	6130	- 87	B-102	B-118	B-137
			14700	1500	2.20				14200	1440	2.55	1 -	6135	- 87	B-102	B-118	B-137
			16000	1630	2.64				16000	1630	2.64	1 -	6140	- 87	B-102	B-118	B-137
			16000	1630	2.88				16000	1630	3.31	1 -	6145	- 87	B-102	B-118	B-137
			9810	1000	1.14				9810	1000	1.37	1 -	6120DB	- 104	B-108	B-124	B-143
			9810	1000	1.36				9810	1000	1.64	1 -	6125DB	- 104	B-108	B-124	B-143
			14700	1500	1.69				14700	1500	2.04	1 -	6130DB	- 104	B-109	B-125	B-144
			14700	1500	2.03				14700	1500	2.13	1 -	6135DB	- 104	B-109	B-125	B-144
13.9	462	47.1	14700	1500	2.03	16.8	383	39.1	14700	1500	2.45	1 -	6135DC	- 104	B-109	B-125	B-144
			16000	1630	2.13				16000	1630	2.13	1 -	6140DB	- 104	B-109	B-125	B-144
			16000	1630	2.65				16000	1630	3.20	1 -	6140DC	- 104	B-109	B-125	B-144
			16000	1630	2.96				16000	1630	3.58	1 -	6145DC	- 104	B-109	B-125	B-144
			9810	1000	1.16				9810	1000	1.40	1 -	6125DB	- 121	B-108	B-124	B-143
			14700	1500	1.45				14700	1500	1.75	1 -	6130DB	- 121	B-109	B-125	B-144
			14700	1500	1.75				14700	1500	2.11	1 -	6135DB	- 121	B-109	B-125	B-144
12.0	538	54.8	16000	1630	2.13	14.5	446	45.4	16000	1630	2.13	1 -	6140DB	- 121	B-109	B-125	B-144
			16000	1630	2.28				16000	1630	2.75	1 -	6140DC	- 121	B-109	B-125	B-144
			16000	1630	2.40				16000	1630	2.90	1 -	6145DC	- 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

0.75 kW

n_1: Motor Speed

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

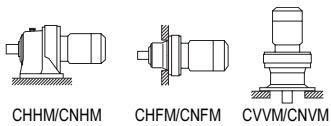
50Hz						60Hz						Nomenclature	Page of Dimension Sheet		
Output Speed n_2	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n_2	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol - Frame Size - Reduction Ratio	CNHM CHHM	CNFM CHFM	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					
10.1	525	53.5	9810	1000	*1	12.2	525	53.5	9810	1000	*1	1 - 6120DB - 143	B-108	B-124	B-143
	636	64.8	9810	1000	0.98	527	53.7		9810	1000	1.20	1 - 6125DB - 143	B-108	B-124	B-143
			14700	1500	1.23				14700	1500	1.48	1 - 6130DB - 143	B-109	B-125	B-144
			14700	1500	1.48				14700	1500	1.78	1 - 6135DB - 143	B-109	B-125	B-144
			16000	1630	1.93				16000	1630	2.13	1 - 6140DB - 143	B-109	B-125	B-144
			16000	1630	1.93				16000	1630	2.33	1 - 6140DC - 143	B-109	B-125	B-144
			16000	1630	2.13				16000	1630	2.13	1 - 6145DB - 143	B-109	B-125	B-144
			16000	1630	2.15				16000	1630	2.60	1 - 6145DC - 143	B-109	B-125	B-144
			22100	2250	2.76				22100	2250	3.33	1 - 6160DB - 143	B-110	B-126	B-145
8.79	525	53.5	9810	1000	*1	10.6	525	53.5	9810	1000	*1	1 - 6120DB - 165	B-108	B-124	B-143
	734	74.8	9810	1000	0.86	608	62.0		9810	1000	1.04	1 - 6125DB - 165	B-108	B-124	B-143
			14700	**1500**	**1.06**				**14700**	**1500**	**1.28**	**1 - 6130DB - 165**	**B-109**	**B-125**	**B-144**
			14700	1500	1.28				14700	1500	1.55	1 - 6135DB - 165	B-109	B-125	B-144
			16000	1630	1.67				16000	1630	2.02	1 - 6140DB - 165	B-109	B-125	B-144
			16000	1630	1.85				16000	1630	2.13	1 - 6145DB - 165	B-109	B-125	B-144
			16000	1630	1.85				16000	1630	2.23	1 - 6145DC - 165	B-109	B-125	B-144
			22100	2250	2.13				22100	2250	2.13	1 - 6160DA - 165	B-110	B-126	B-145
			22100	2250	2.39				22100	2250	2.89	1 - 6160DB - 165	B-110	B-126	B-145
			22100	2250	2.86				22100	2250	3.46	1 - 6165DB - 165	B-110	B-126	B-145
7.44	630	64.2	9810	1000	*1	8.97	630	64.2	9810	1000	*1	1 - 6125DB - 195	B-108	B-124	B-143
	867	88.4	14700	1500	1.08	718	73.2		14700	1500	1.31	1 - 6135DB - 195	B-109	B-125	B-144
			16000	1630	1.41				16000	1630	1.71	1 - 6140DB - 195	B-109	B-125	B-144
			16000	1630	1.57				16000	1630	1.89	1 - 6145DB - 195	B-109	B-125	B-144
			22100	2250	2.02				22100	2250	2.13	1 - 6160DA - 195	B-110	B-126	B-145
			22100	2250	2.02				22100	2250	2.44	1 - 6160DB - 195	B-110	B-126	B-145
			22100	2250	2.13				22100	2250	2.13	1 - 6165DA - 195	B-110	B-126	B-145
			22100	2250	2.42				22100	2250	2.92	1 - 6165DB - 195	B-110	B-126	B-145
			29500	3010	2.92				29500	3010	3.52	1 - 6170DB - 195	B-110	B-126	B-145
6.28	630	64.2	9810	1000	*1	7.58	630	64.2	9810	1000	*1	1 - 6125DB - 231	B-108	B-124	B-143
	780	79.5	14700	1500	*1	780	79.5		14700	1500	*1	1 - 6130DB - 231	B-109	B-125	B-144
	1030	105	14700	1500	0.92	851	86.7		14700	1500	1.10	1 - 6135DB - 231	B-109	B-125	B-144
			16000	1630	1.19				16000	1630	1.44	1 - 6140DB - 231	B-109	B-125	B-144
			16000	1630	1.30				16000	1630	1.57	1 - 6145DB - 231	B-109	B-125	B-144
			22100	2250	1.71				22100	2250	2.06	1 - 6160DA - 231	B-110	B-126	B-145
			22100	2250	2.04				22100	2250	2.13	1 - 6165DA - 231	B-110	B-126	B-145
			22100	2250	2.04				22100	2250	2.47	1 - 6165DB - 231	B-110	B-126	B-145
			29500	3010	2.13				29500	3010	2.13	1 - 6170DA - 231	B-110	B-126	B-145
			29500	3010	2.46				29500	3010	2.97	1 - 6170DB - 231	B-110	B-126	B-145
5.31	780	79.5	14700	1500	*1	6.41	780	79.5	14700	1500	*1	1 - 6130DB - 273	B-109	B-125	B-144
	940	95.8	14700	1500	*1	940	95.8		14700	1500	*1	1 - 6135DB - 273	B-109	B-125	B-144
	1210	124	**16000**	**1630**	**1.01**	1010	103		**16000**	**1630**	**1.22**	**1 - 6140DB - 273**	**B-109**	**B-125**	**B-144**
			16000	1630	1.10				16000	1630	1.33	1 - 6145DB - 273	B-109	B-125	B-144
			22100	2250	1.45				22100	2250	1.75	1 - 6160DA - 273	B-110	B-126	B-145
			22100	2250	1.73				22100	2250	2.09	1 - 6165DA - 273	B-110	B-126	B-145
			29500	3010	2.08				29500	3010	2.13	1 - 6170DA - 273	B-110	B-126	B-145
			29500	3010	2.08				29500	3010	2.52	1 - 6170DB - 273	B-110	B-126	B-145
			29500	3010	2.13				29500	3010	2.13	1 - 6175DA - 273	B-110	B-126	B-145
			29500	3010	2.60				29500	3010	3.13	1 - 6175DB - 273	B-110	B-126	B-145

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

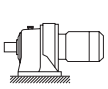
n_1: Motor Speed

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

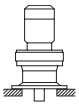


50Hz						60Hz						Nomenclature	Page of Dimension Sheet		
Output Speed n_2	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n_2	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol - Frame Size - Reduction Ratio	CNHM CHHM	CNFM CHFM	CNVM CVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					
	940	95.8	14700	1500	*1		940	95.8	14700	1500	*1	1 - 6135DB - 319	B-109	B-125	B-144
			15500	1580	0.97				16000	1630	1.17	1 - 6145DB - 319	B-109	B-125	B-144
			22100	2250	1.24				22100	2250	1.49	1 - 6160DA - 319	B-110	B-126	B-145
			22100	2250	1.48				22100	2250	1.79	1 - 6165DA - 319	B-110	B-126	B-145
4.55	1420	145	29500	3010	1.78	5.49	1180	120	29500	3010	2.13	1 - 6170DA - 319	B-110	B-126	B-145
			29500	3010	1.78				29500	3010	2.15	1 - 6170DB - 319	B-110	B-126	B-145
			29500	3010	2.13				29500	3010	2.13	1 - 6175DA - 319	B-110	B-126	B-145
			29500	3010	2.22				29500	3010	2.68	1 - 6175DB - 319	B-110	B-126	B-145
			41700	4250	2.86				41700	4250	3.45	1 - 6180DA - 319	B-110	B-126	B-145
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	1 - 6140DB - 377	B-109	B-125	B-144
	1370	140	15800	1610	*1		1370	140	15800	1610	*1	1 - 6145DB - 377	B-109	B-125	B-144
			14100	1440	0.82				15700	1600	0.98	1 - 6145DB - 377	B-109	B-125	B-144
			22100	**2250**	**1.05**				**22100**	**2250**	**1.26**	**1 - 6160DA - 377**	**B-110**	**B-126**	**B-145**
			22100	2250	1.25				22100	2250	1.51	1 - 6165DA - 377	B-110	B-126	B-145
3.85			29500	3010	1.51	4.64			29500	3010	1.82	1 - 6170DA - 377	B-110	B-126	B-145
	1680	171	29500	3010	1.88		1390	142	29500	3010	2.13	1 - 6175DA - 377	B-110	B-126	B-145
			29500	3010	1.88				29500	3010	2.27	1 - 6175DB - 377	B-110	B-126	B-145
			41700	4250	2.42				41700	4250	2.92	1 - 6180DA - 377	B-110	B-126	B-145
			41700	4250	2.98				41700	4250	3.60	1 - 6185DA - 377	B-110	B-126	B-145
	1370	140	15700	1600	*1		1370	140	15700	1600	*1	1 - 6145DB - 473	B-109	B-125	B-144
	1740	177	22100	2250	*1		1740	177	22100	2250	*1	1 - 6160DA - 473	B-110	B-126	B-145
			22100	**2250**	**1.00**				**22100**	**2250**	**1.21**	**1 - 6165DA - 473**	**B-110**	**B-126**	**B-145**
3.07			29500	3010	1.20	3.70			29500	3010	1.45	1 - 6170DA - 473	B-110	B-126	B-145
	2100	214	29500	3010	1.50		1740	178	29500	3010	1.81	1 - 6175DA - 473	B-110	B-126	B-145
			41700	4250	1.93				41700	4250	2.33	1 - 6180DA - 473	B-110	B-126	B-145
			41700	4250	2.38				41700	4250	2.87	1 - 6185DA - 473	B-110	B-126	B-145
	1740	177	22100	2250	*1		1740	177	22100	2250	*1	1 - 6160DA - 559	B-110	B-126	B-145
			22100	2250	0.85				22100	2250	1.02	1 - 6165DA - 559	B-110	B-126	B-145
			29500	**3010**	**1.02**				**29500**	**3010**	**1.23**	**1 - 6170DA - 559**	**B-110**	**B-126**	**B-145**
2.59			29500	3010	1.27	3.13			29500	3010	1.53	1 - 6175DA - 559	B-110	B-126	B-145
	2490	253	41700	4250	1.63		2060	210	41700	4250	1.97	1 - 6180DA - 559	B-110	B-126	B-145
			41700	4250	2.01				41700	4250	2.43	1 - 6185DA - 559	B-110	B-126	B-145
			59000	6010	2.57				59000	6010	3.10	1 - 6190DA - 559	B-111	B-128	B-147
	2100	214	22100	2250	*1		2100	214	22100	2250	*1	1 - 6165DA - 649	B-110	B-126	B-145
			29500	3010	1.09				29500	3010	1.32	1 - 6175DA - 649	B-110	B-126	B-145
			41700	4250	1.40				41700	4250	1.69	1 - 6180DA - 649	B-110	B-126	B-145
2.23	2890	294	41700	4250	1.73	2.70	2390	244	41700	4250	2.09	1 - 6185DA - 649	B-110	B-126	B-145
			59000	6010	2.21				59000	6010	2.67	1 - 6190DA - 649	B-111	B-128	B-147
			59000	6010	2.76				59000	6010	3.33	1 - 6195DA - 649	B-111	B-128	B-147
	2100	214	22100	2250	*1		2100	214	22100	2250	*1	1 - 6165DA - 731	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	1 - 6170DA - 731	B-110	B-126	B-145
			29500	3010	0.97				29500	3010	1.17	1 - 6175DA - 731	B-110	B-126	B-145
1.98			41700	4250	1.25	2.39			41700	4250	1.51	1 - 6180DA - 731	B-110	B-126	B-145
	3250	331	41700	4250	1.54		2690	274	41700	4250	1.86	1 - 6185DA - 731	B-110	B-126	B-145
			59000	6010	1.96				59000	6010	2.37	1 - 6190DA - 731	B-111	B-128	B-147
			59000	6010	2.45				59000	6010	2.96	1 - 6195DA - 731	B-111	B-128	B-147
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	1 - 6170DA - 841	B-110	B-126	B-145
			29500	3010	0.84				29500	3010	1.02	1 - 6175DA - 841	B-110	B-126	B-145
			41700	4250	1.08				41700	4250	1.31	1 - 6180DA - 841	B-110	B-126	B-145
1.72	3740	381	41700	4250	1.34	2.08	3100	316	41700	4250	1.61	1 - 6185DA - 841	B-110	B-126	B-145
			59000	6010	1.71				59000	6010	2.06	1 - 6190DA - 841	B-111	B-128	B-147
			59000	6010	2.13				59000	6010	2.57	1 - 6195DA - 841	B-111	B-128	B-147
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	1 - 6175DA - 1003	B-110	B-126	B-145
			41700	4250	1.12				41700	4250	1.35	1 - 6185DA - 1003	B-110	B-126	B-145
1.45	4460	455	59000	6010	1.43	1.74	3690	377	59000	6010	1.73	1 - 6190DA - 1003	B-111	B-128	B-147
			59000	6010	1.79				59000	6010	2.15	1 - 6195DA - 1003	B-111	B-128	B-147

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect 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

n_1: Motor Speed

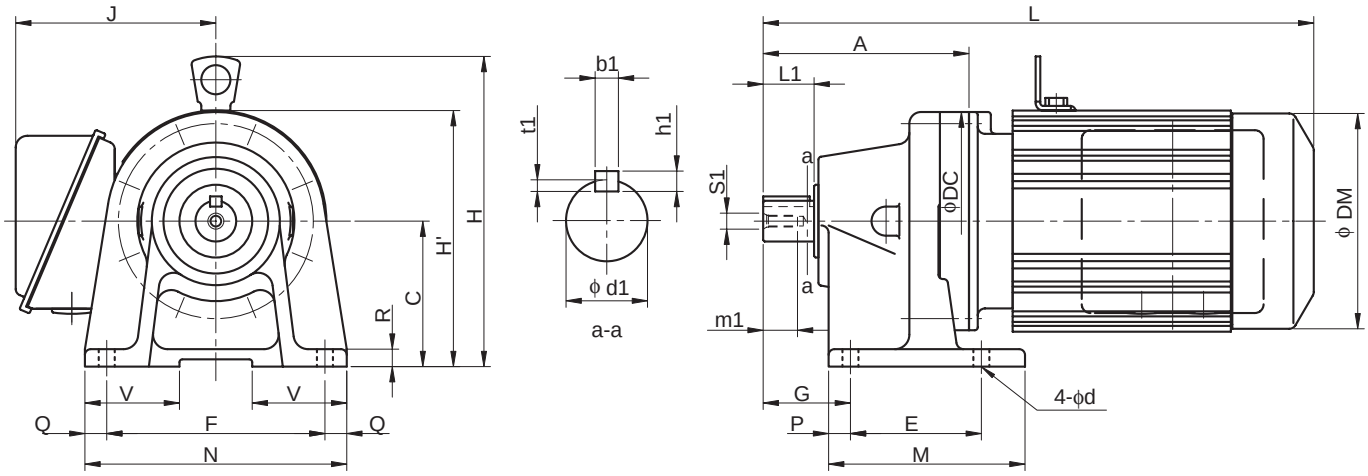
0.75 kW	Hz	50Hz		60Hz	
	P	4	6	4	6
	n_1 r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature	Page of Dimension Sheet		
Output Speed n_2	Output Torque Tout		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					
1.16	4060	414	41700	4250	*1	1.40	4060	414	41700	4250	*1	1 - 6180DA - 1247	B-110	B-126	B-145
	5540	565	41700	4250	0.90		4590	468	41700	4250	1.09	1 - 6185DA - 1247	B-110	B-126	B-145
			59000	6010	1.15				59000	6010	1.39	1 - 6190DA - 1247	B-111	B-128	B-147
			59000	6010	1.44				59000	6010	1.73	1 - 6195DA - 1247	B-111	B-128	B-147
0.980	4060	414	41700	4250	*1	1.18	4060	414	41700	4250	*1	1 - 6180DA - 1479	B-110	B-126	B-145
	5000	510	41700	4250	*1		5000	510	41700	4250	*1	1 - 6185DA - 1479	B-110	B-126	B-145
	6580	670	58800	5990	1.21		5450	555	59000	6010	1.46	1 - 6195DA - 1479	B-111	B-128	B-147
0.784	5000	510	41700	4250	*1	0.946	5000	510	41700	4250	*1	1 - 6185DA - 1849	B-110	B-126	B-145
	6380	650	59000	6010	*1		6380	650	59000	6010	*1	1 - 6190DA - 1849	B-111	B-128	B-147
	8220	838	58900	6000	0.97		6810	694	59000	6010	1.17	1 - 6195DA - 1849	B-111	B-128	B-147
0.702	5000	510	41600	4240	*1	0.847	5000	510	41600	4240	*1	1 - 6185DA - 2065	B-110	B-126	B-145
	6380	650	58600	5970	*1		6380	650	58600	5970	*1	1 - 6190DA - 2065	B-111	B-128	B-147
	9180	936	57800	5890	0.87		7610	775	58200	5940	1.05	1 - 6195DA - 2065	B-111	B-128	B-147
0.572	6380	650	58600	5970	*1	0.690	6380	650	58600	5970	*1	1 - 6190DA - 2537	B-111	B-128	B-147
	7960	811	58100	5930	*1		7960	811	58100	5930	*1	1 - 6195DA - 2537	B-111	B-128	B-147
	9300	948	84100	8570	*1		9300	948	84100	8570	*1	1 - 6205DA - 2537	B-112	B-129	B-148
	11300	1150	84100	8570	0.82		9350	953	84100	8570	1.00	1 - 6205DA - 2537	B-112	B-129	B-148
0.476	6380	650	58900	6000	*1	0.575	6380	650	58900	6000	*1	1 - 6190DA - 3045	B-111	B-128	B-147
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1 - 6195DA - 3045	B-111	B-128	B-147
	8760	893	84100	8570	*1		8760	893	84100	8570	*1	1 - 6205DA - 3045	B-112	B-129	B-148
0.417	6380	650	58600	5970	*1	0.503	6380	650	58600	5970	*1	1 - 6190DA - 3481	B-111	B-128	B-147
	7960	811	58100	5930	*1		7960	811	58100	5930	*1	1 - 6195DA - 3481	B-111	B-128	B-147
	9300	948	84100	8570	*1		9300	948	84100	8570	*1	1 - 6205DA - 3481	B-112	B-129	B-148
0.327	6380	650	58900	6000	*1	0.394	6380	650	58900	6000	*1	1 - 6190DA - 4437	B-111	B-128	B-147
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1 - 6195DA - 4437	B-111	B-128	B-147
	8760	893	84100	8570	*1		8760	893	84100	8570	*1	1 - 6205DA - 4437	B-112	B-129	B-148
0.282	6380	650	58900	6000	*1	0.341	6380	650	58900	6000	*1	1 - 6190DA - 5133	B-111	B-128	B-147
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1 - 6195DA - 5133	B-111	B-128	B-147
	9300	948	84100	8570	*1		9300	948	84100	8570	*1	1 - 6205DA - 5133	B-112	B-129	B-148
0.235	6380	650	58900	6000	*1	0.283	6380	650	58900	6000	*1	1 - 6190DA - 6177	B-111	B-128	B-147
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1 - 6195DA - 6177	B-111	B-128	B-147
	8760	893	84100	8570	*1		8760	893	84100	8570	*1	1 - 6205DA - 6177	B-112	B-129	B-148
0.192	6380	650	58900	6000	*1	0.231	6380	650	58900	6000	*1	1 - 6190DA - 7569	B-111	B-128	B-147
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1 - 6195DA - 7569	B-111	B-128	B-147
	8760	893	84100	8570	*1		8760	893	84100	8570	*1	1 - 6205DA - 7569	B-112	B-129	B-148

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□



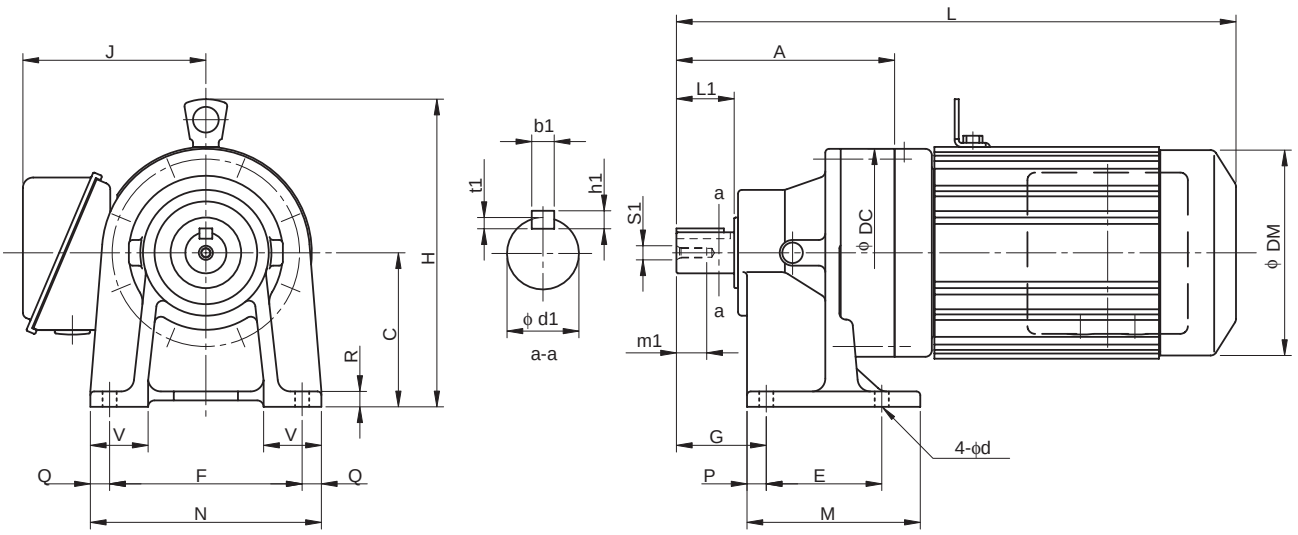
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
606□	92	80	110	60	120	41	84	144	12	12	10	35	9	14	25	5	5	3	M5	16
607□	98	80	110	60	120	47	84	144	12	12	10	35	9	18	30	6	6	3.5	M6	16
608□	129	90	134	75	120	52	99	144	12	12	13	37	9	22	35	6	6	3.5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



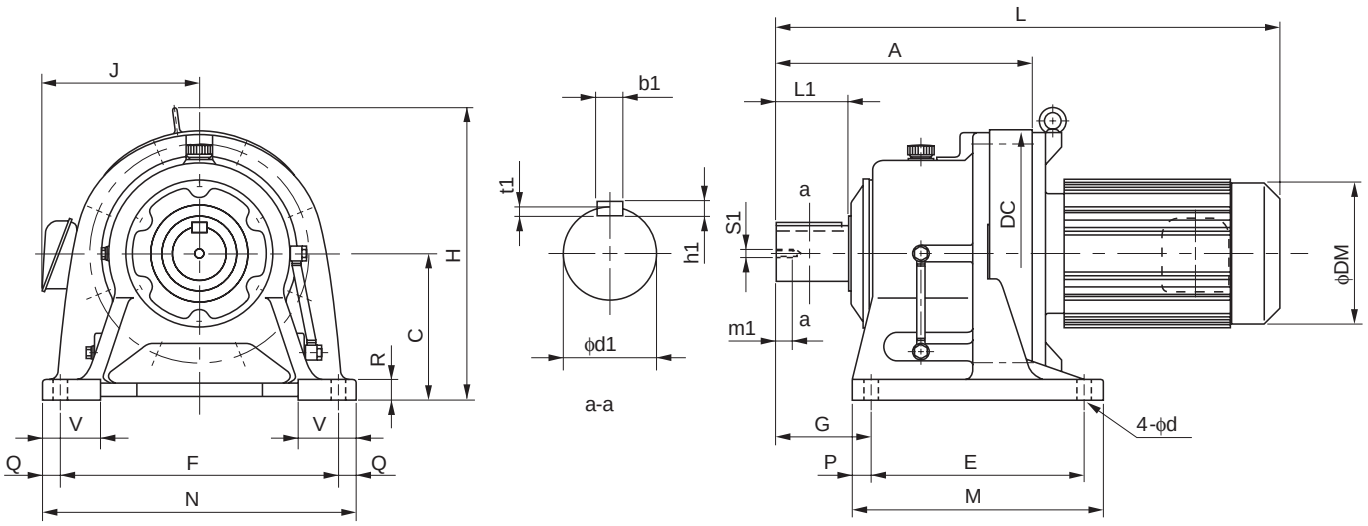
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
610□	156	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20
611□	170	120	162	90	150	70	135	180	15	15	12	45	11	32	45	10	8	5	M8	20
612□	186	120	204	115	190	82	155	230	20	20	15	55	14	38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

CHHM□ Note 1 - 613□ to 614□



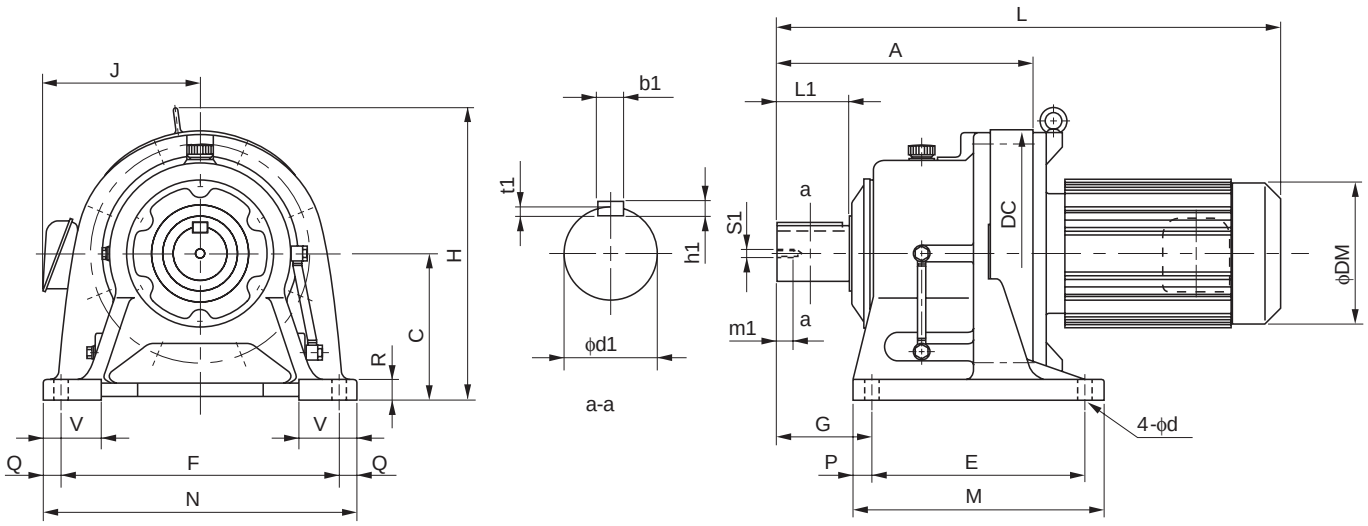
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
613□	240	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
614□	260	150	230	145	290	120	195	330	25	20	22	65	18	50	90	14	9	5.5	M10	18

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM Note 1 - 616□ to 617□



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

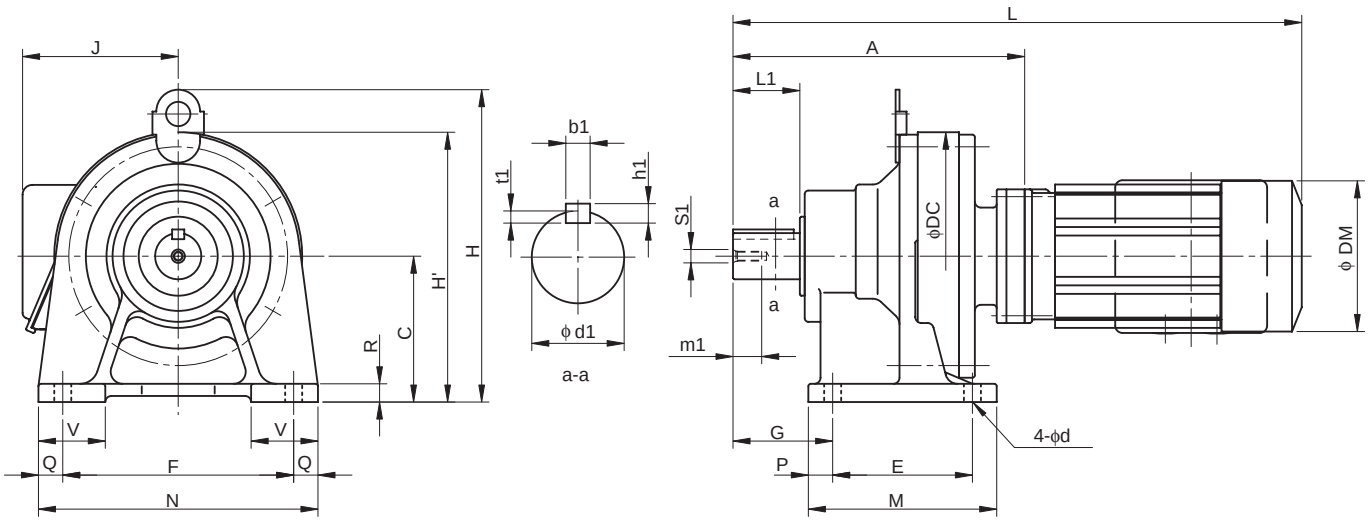
Model Note 4, 5	Motor		Standard					With Brake				
	kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CHHM1H - 616□ - (B) - Ratio	1.1	4	583	310	145	160	93	645	310	145	160	99
CHHM2 - 616□ - (B) - Ratio	1.5	4	583	310	145	160	93	645	310	145	160	99
CHHM3 - 616□ - (B) - Ratio	2.2	4	598	310	152	173	96	661	310	152	173	103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

"*" indicates models with bottom level of the motor lower than the reducer base.
Refer to pages B-152 and B-153 for center hight options.

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

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM□[Note 1]- 606□DA to 612□DB



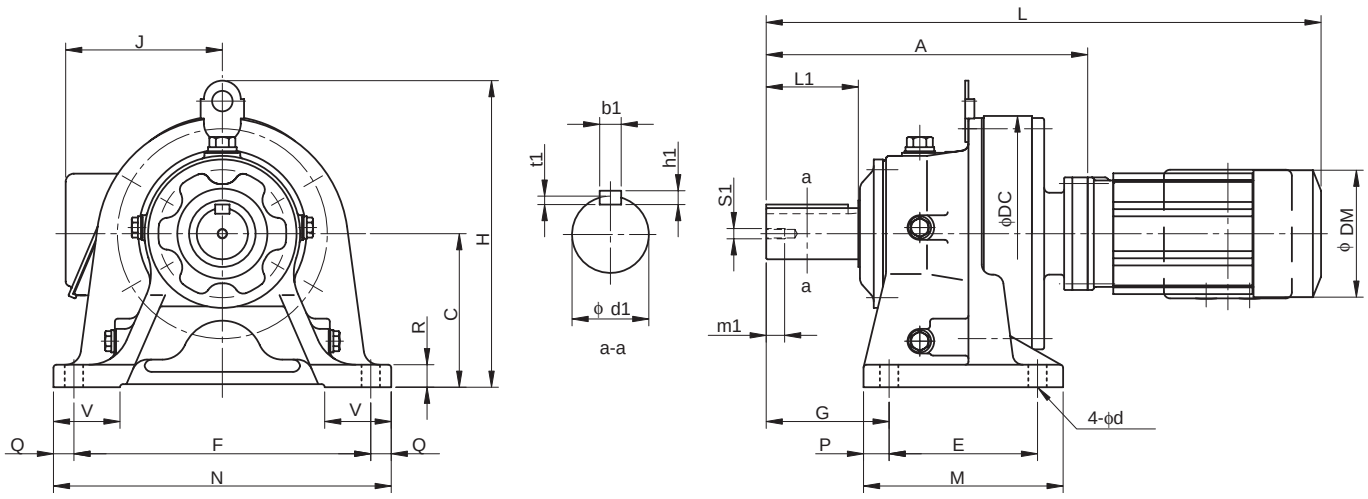
Frame size [Note 4]	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft [Note 2, 3, 6] d1	L1	b1	h1	t1	S1	m1
606□DA	125	80	110	60	120	41	84	144	12	12	10	35	9	14	25	5	5	3	M5	16
607□DA	131	80	110	60	120	47	84	144	12	12	10	35	9	18	30	6	6	3.5	M6	16
609□DA	190	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20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



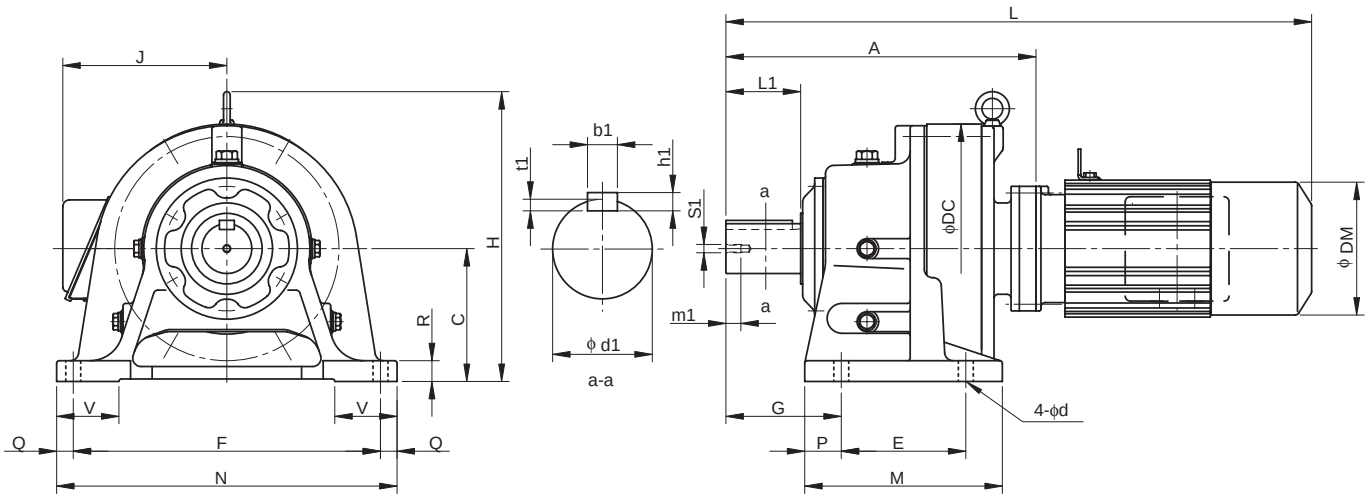
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
613□DA	294	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
613□DB	303	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
613□DC	317	150	230	145	290	100	195	330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



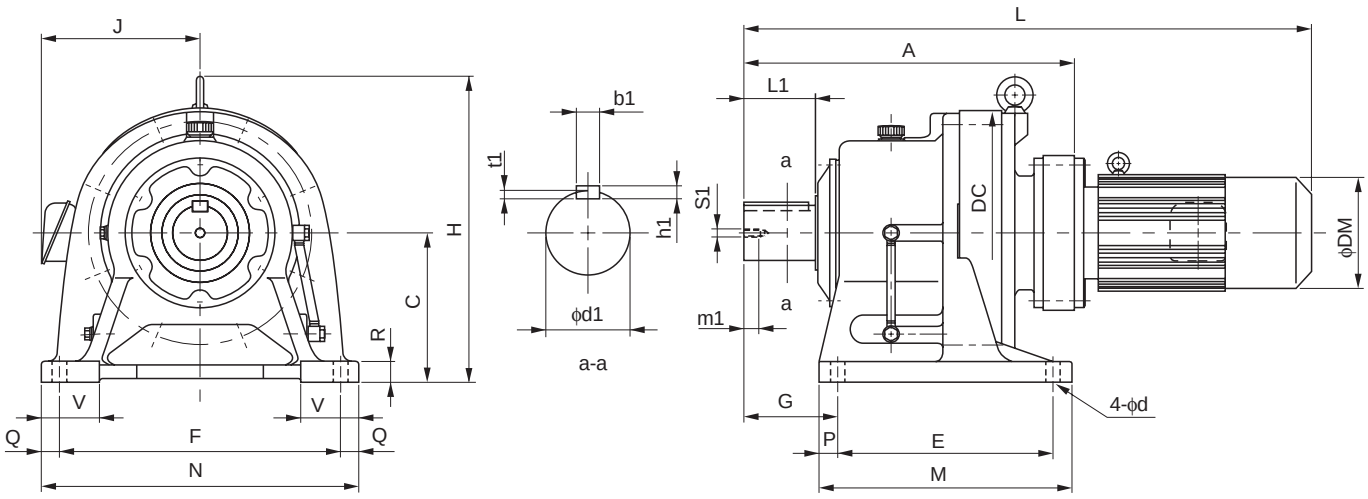
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6					
														d1	L1	b1	h1	t1	S1	m1
616□DA	373	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
616□DB	387	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
617□DA	418	200	340	275	380	125	335	430	30	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 (Horizontal Direction, Foot-Mount)

CHHM□[Note 1]- 616□DC to 619□DA



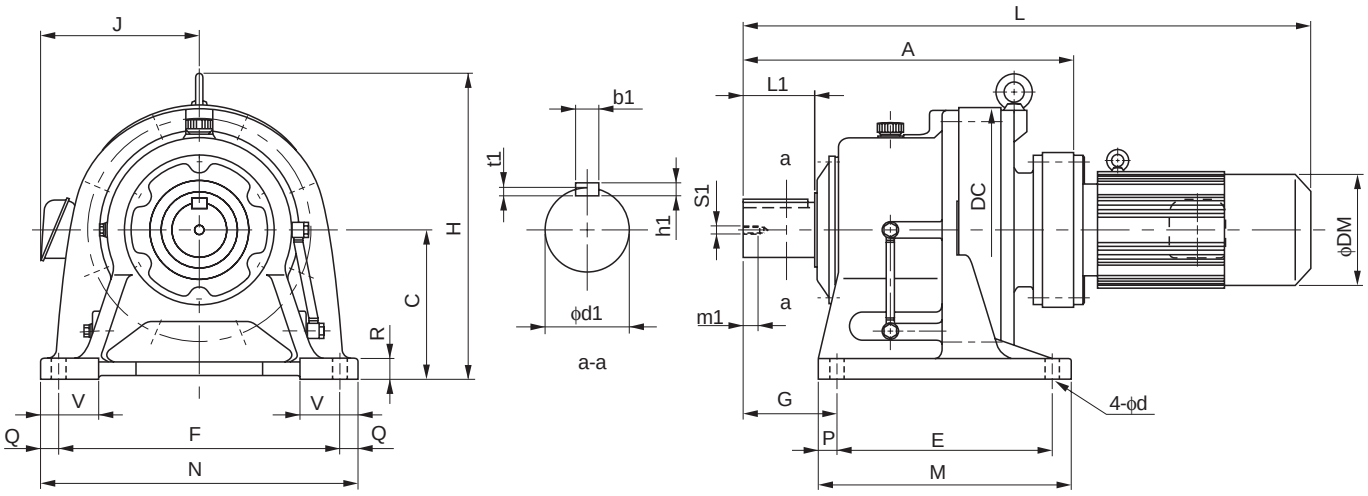
Frame size [Note 4]	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft [Note 2, 3, 6] d1	L1	b1	h1	t1	S1	m1
616□DC	389	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
617□DC	436	200	340	275	380	125	335	430	30	25	30	80	22	70	90	20	12	7.5	M12	24
618□DB	496	220	370	320	420	145	380	470	30	25	30	85	22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

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM□ Note 1 - 619□DB to 6215DA



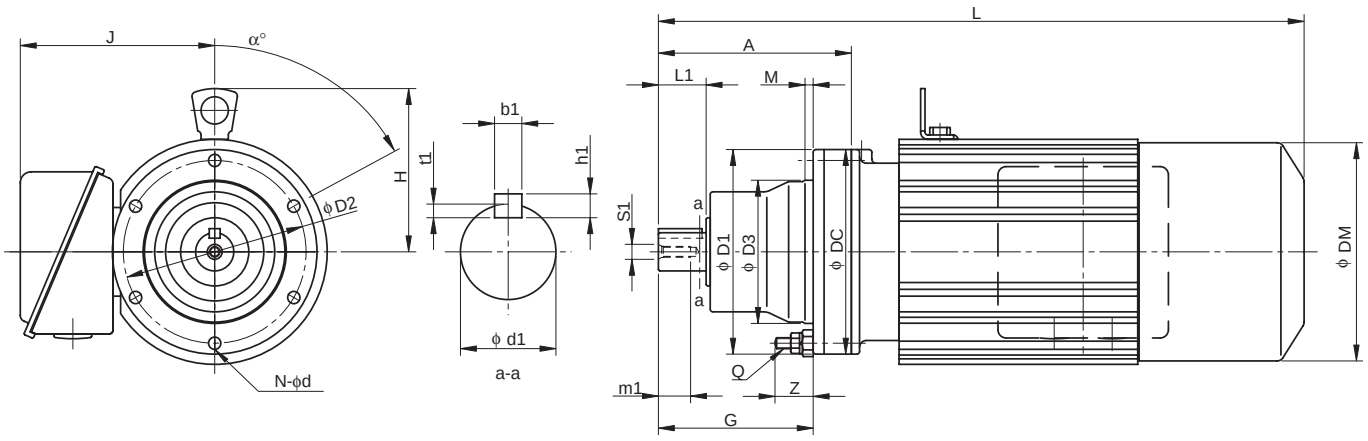
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6					
														d1	L1	b1	h1	t1	S1	m1
619□DB	572	250	430	380	480	170	440	530	30	25	35	90	26	95	135	25	14	9	M20	34
6205DA	597	250	448	360	440	215	440	530	40	45	35	100	26	100	165	28	16	10	M20	34
6205DB	624	250	448	360	440	215	440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

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

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

Dimension Tables Gearmotors (Universal Direction, Flange Mount)

CNFM[Note 1]- 606□ to 609□



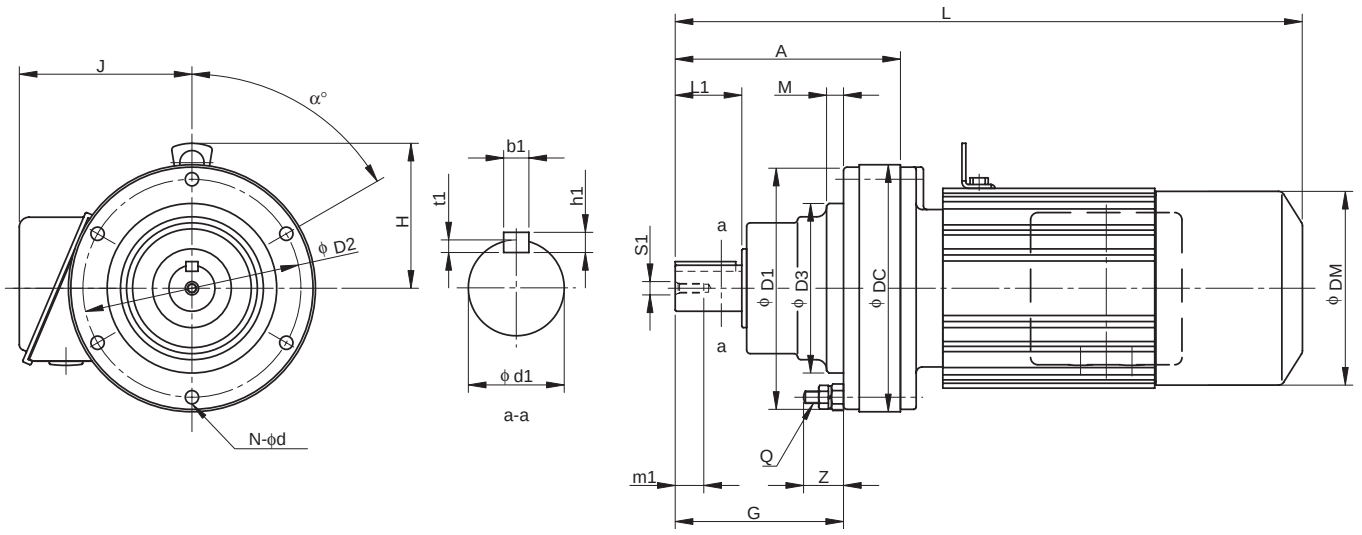
Frame size [Note 5]	A	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	Output Shaft [Note 2, 3, 7] d1	L1	b1	h1	t1	S1	m1
606□	92	68	110	98	80	110	M6	21	4	6	6.6	60	14	25	5	5	3	M5	16
607□	98	74	110	98	80	110	M6	21	4	6	6.6	60	18	30	6	6	3.5	M6	16
608□	129	91	134	118	95	134	M8	27	5	8	9	22.5	22	35	6	6	3.5	M6	16
609□	142	114	150	134	105	150	M8	28	6	8	9	22.5	28	35	8	7	4	M8	20

Model [Note 5, 6]	Motor kW	Motor P	Standard L	Standard H	Standard J	Standard DM	Standard W(kg)	With Brake L	With Brake H	With Brake J	With Brake DM	With Brake W(kg)
CNFM01 - 606□ - (B) - Ratio	0.1	4	254	-	130	119	6.5	261	-	130	124	8
CNFM02 - 606□ - (B) - Ratio	0.2	4	272	-	130	124	7.5	300	-	130	124	9
CNFM03 - 606□ - (B) - Ratio	0.25	4	272	-	130	124	7.5	300	-	130	124	9
CNFM01 - 607□ - (B) - Ratio	0.1	4	260	-	130	119	7.5	267	-	130	124	8.5
CNFM02 - 607□ - (B) - Ratio	0.2	4	278	-	130	124	8.5	306	-	130	124	9.5
CNFM03 - 607□ - (B) - Ratio	0.25	4	278	-	130	124	8.5	306	-	130	124	9.5
CNFM05 - 607□ - (B) - Ratio	0.4	4	294	-	130	124	9.5	326	-	130	124	10.5
CNFM01 - 608□ - (B) - Ratio	0.1	4	286	-	130	119	10	293	-	130	124	11
CNFM02 - 608□ - (B) - Ratio	0.2	4	304	-	130	124	11	332	-	130	124	12
CNFM03 - 608□ - (B) - Ratio	0.25	4	304	-	130	124	11	332	-	130	124	12
CNFM05 - 608□ - (B) - Ratio	0.4	4	320	-	130	124	13	352	-	130	124	14
CNFM08 - 608□ - (B) - Ratio	0.55	4	361	113	140	148	17	404	113	140	148	18
CNFM1 - 608□ - (B) - Ratio	0.75	4	361	113	140	148	17	404	113	140	148	18
CNFM01 - 609□ - (B) - Ratio	0.1	4	304	-	130	119	11	311	-	130	124	13
CNFM02 - 609□ - (B) - Ratio	0.2	4	322	-	130	124	12	350	-	130	124	14
CNFM03 - 609□ - (B) - Ratio	0.25	4	322	-	130	124	12	350	-	130	124	14
CNFM05 - 609□ - (B) - Ratio	0.4	4	338	-	130	124	13	370	-	130	124	15
CNFM08 - 609□ - (B) - Ratio	0.55	4	379	113	140	148	17	422	113	140	148	19
CNFM1 - 609□ - (B) - Ratio	0.75	4	379	113	140	148	17	422	113	140	148	19
CNFM1H - 609□ - (B) - Ratio	1.1	4	412	120	145	160	21	474	120	145	160	25
CNFM2 - 609□ - (B) - Ratio	1.5	4	412	120	145	160	21	474	120	145	160	25

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 "g6."

Dimension Tables Gearmotors (Universal Direction, Flange Mount)

CNFM[Note 1]- 610□ to 612□



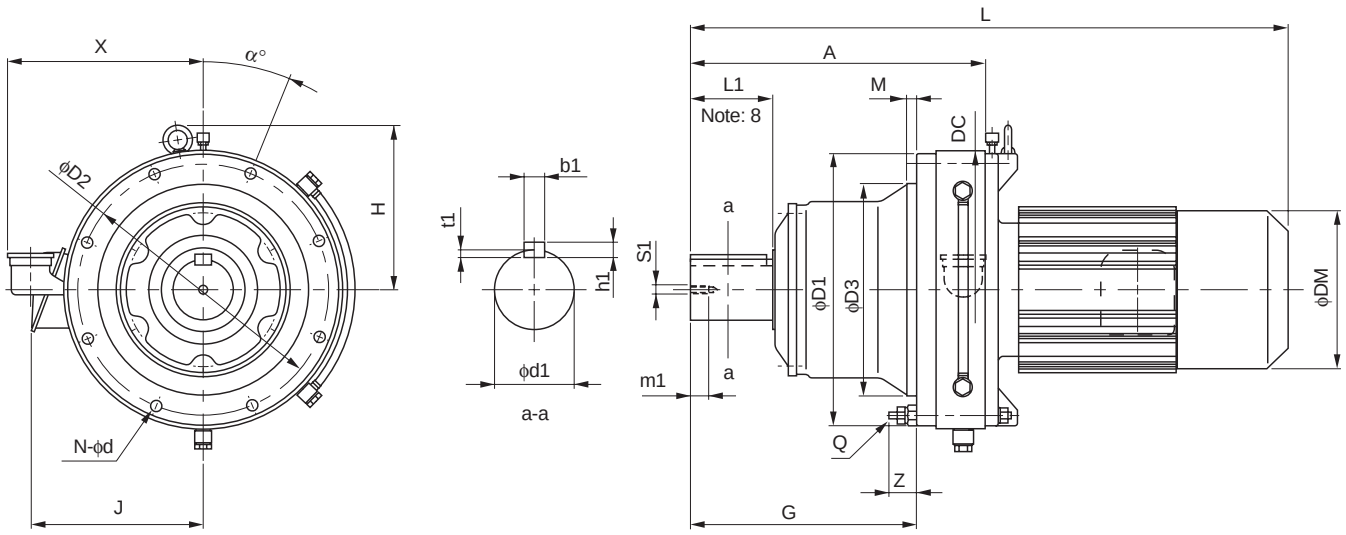
Frame size Note 5	A	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	Output Shaft Note 2, 3, 7						
													d1	L1	b1	h1	t1	S1	m1
610□	156	114	150	134	105	150	M8	28	6	8	9	22.5	28	35	8	7	4	M8	20
611□	170	118	162	146	115	162	M8	28	6	8	9	22.5	32	45	10	8	5	M8	20
612□	186	139	200	180	140	204	M10	33	14	6	11	60	38	55	10	8	5	M8	20

Model Note 5, 6	Motor		Standard					With Brake				
	kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CNFM02 - 610□ - (B) - Ratio	0.2	4	336	-	130	124	14	364	-	130	124	16
CNFM03 - 610□ - (B) - Ratio	0.25	4	336	-	130	124	14	364	-	130	124	16
CNFM05 - 610□ - (B) - Ratio	0.4	4	352	-	130	124	15	384	-	130	124	17
CNFM08 - 610□ - (B) - Ratio	0.55	4	393	113	140	148	19	436	113	140	148	22
CNFM1 - 610□ - (B) - Ratio	0.75	4	393	113	140	148	19	436	113	140	148	22
CNFM1H - 610□ - (B) - Ratio	1.1	4	426	120	145	160	23	488	120	145	160	28
CNFM2 - 610□ - (B) - Ratio	1.5	4	426	120	145	160	23	488	120	145	160	28
CNFM3 - 610□ - (B) - Ratio	2.2	4	446	126	152	173	27	509	126	152	173	33
CNFM05 - 611□ - (B) - Ratio	0.4	4	363	-	130	124	17	394	-	130	124	18
CNFM08 - 611□ - (B) - Ratio	0.55	4	403	113	140	148	20	452	113	140	148	23
CNFM1 - 611□ - (B) - Ratio	0.75	4	403	113	140	148	20	452	113	140	148	23
CNFM1H - 611□ - (B) - Ratio	1.1	4	436	120	145	160	23	493	120	145	160	28
CNFM2 - 611□ - (B) - Ratio	1.5	4	436	120	145	160	23	493	120	145	160	28
CNFM3 - 611□ - (B) - Ratio	2.2	4	456	126	152	173	27	519	126	152	173	33
CNFM4 - 611□ - (B) - Ratio	3.0	4	491	146	168	212	37	563	146	168	212	47
CNFM5 - 611□ - (B) - Ratio	3.7	4	491	146	168	212	37	563	146	168	212	47
CNFM05 - 612□ - (B) - Ratio	0.4	4	387	113	130	124	26	419	113	130	124	28
CNFM08 - 612□ - (B) - Ratio	0.55	4	423	113	140	148	28	466	113	140	148	31
CNFM1 - 612□ - (B) - Ratio	0.75	4	423	113	140	148	28	466	113	140	148	31
CNFM1H - 612□ - (B) - Ratio	1.1	4	456	120	145	160	32	518	120	145	160	37
CNFM2 - 612□ - (B) - Ratio	1.5	4	456	120	145	160	32	518	120	145	160	37
CNFM3 - 612□ - (B) - Ratio	2.2	4	476	126	152	173	36	539	126	152	173	43
CNFM4 - 612□ - (B) - Ratio	3.0	4	499	146	168	212	46	571	146	168	212	56
CNFM5 - 612□ - (B) - Ratio	3.7	4	499	146	168	212	46	571	146	168	212	56
CNFM8 - 612□ - (B) - Ratio	5.5	4	543	146	168	212	53	615	146	168	212	63

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 (Horizontal Direction, Flange Mount)

CHFM□ Note 1 - 613□ to 614□



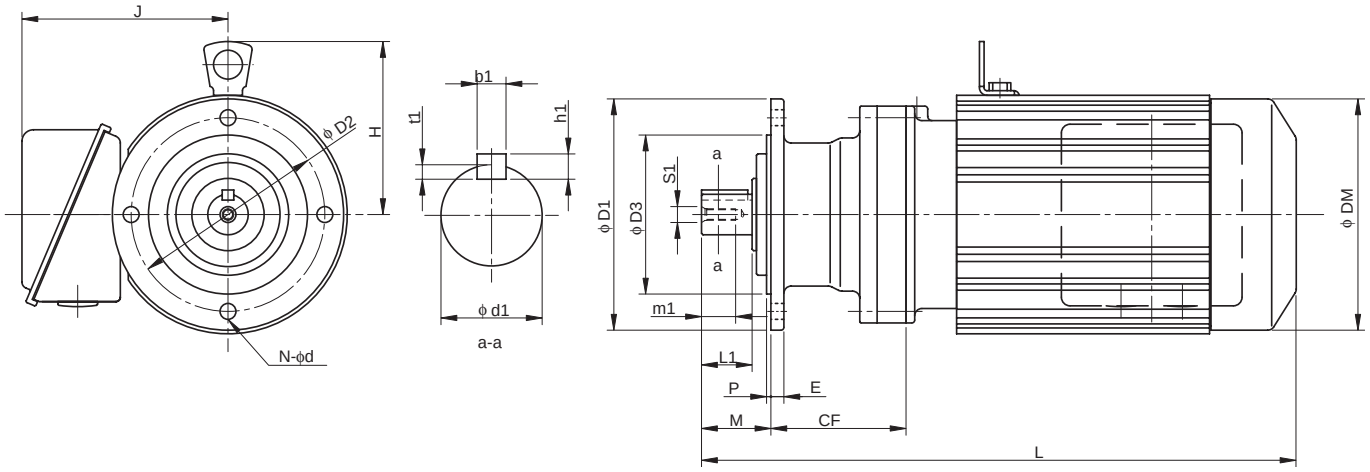
Frame size Note 5	A	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	X	Output Shaft Note 2, 3, 7						
														d1	L1	b1	h1	t1	S1	m1
613□	240	178	226	205	165	230	M10	31	16	6	11	60	208	50	70	14	9	5.5	M10	18
614□	260	198	226	205	165	230	M10	31	16	6	11	60	208	50	90	14	9	5.5	M10	18

Model Note 5, 6	Motor		Standard					With Brake				
	kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CHFM08 - 613□ - (B) - Ratio	0.55	4	477	111	140	148	44	520	111	140	148	46
CHFM1 - 613□ - (B) - Ratio	0.75	4	477	111	140	148	44	520	111	140	148	47
CHFM1H - 613□ - (B) - Ratio	1.1	4	510	118	145	160	48	572	118	145	160	53
CHFM2 - 613□ - (B) - Ratio	1.5	4	510	118	145	160	48	572	118	145	160	53
CHFM3 - 613□ - (B) - Ratio	2.2	4	530	124	152	173	51	593	124	152	173	58
CHFM4 - 613□ - (B) - Ratio	3.0	4	553	146	168	212	61	625	146	168	212	71
CHFM5 - 613□ - (B) - Ratio	3.7	4	553	146	168	212	61	625	146	168	212	71
CHFM8 - 613□ - (B) - Ratio	5.5	4	597	146	168	212	68	669	146	168	212	78
CHFM10 - 613□ - (B) - Ratio	7.5	4	620	173	213	251	83	715	173	213	251	101
CHFM15 - 613□ - (B) - Ratio	11	4	680	173	213	251	97	775	173	213	251	115
CHFM1 - 614□ - (B) - Ratio	0.75	4	497	118	140	148	45	540	118	140	148	48
CHFM1H - 614□ - (B) - Ratio	1.1	4	530	118	145	160	49	592	118	145	160	54
CHFM2 - 614□ - (B) - Ratio	1.5	4	530	118	145	160	49	592	118	145	160	54
CHFM3 - 614□ - (B) - Ratio	2.2	4	550	124	152	173	52	613	124	152	173	59
CHFM4 - 614□ - (B) - Ratio	3.0	4	573	146	168	212	62	645	146	168	212	72
CHFM5 - 614□ - (B) - Ratio	3.7	4	573	146	168	212	62	645	146	168	212	72
CHFM8 - 614□ - (B) - Ratio	5.5	4	617	146	168	212	69	689	146	168	212	79
CHFM10 - 614□ - (B) - Ratio	7.5	4	640	173	213	251	84	735	173	213	251	102
CHFM15 - 614□ - (B) - Ratio	11	4	700	173	213	251	98	795	173	213	251	116
CHFM20 - 614□ - (B) - Ratio	15	4	790	208	261	324	150	895	208	261	324	184

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 "g6."

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

CNVM[Note 1]- 606□ to 609□



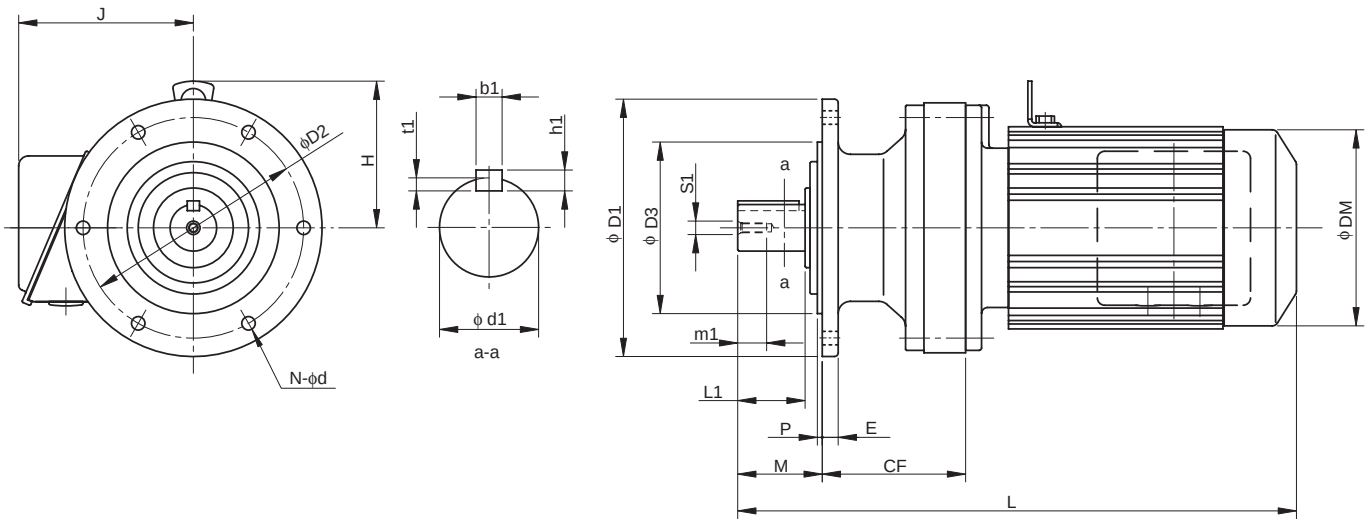
Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
606□	58	120	102	80	34	8	3	6	9	-	14	25	5	5	3	M5	16
607□	56	160	134	110	42	9	3	4	11	-	18	30	6	6	3.5	M6	16
608□	81	160	134	110	48	9	3	4	11	-	22	35	6	6	3.5	M6	16
609□	94	160	134	110	48	9	3	4	11	107	28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



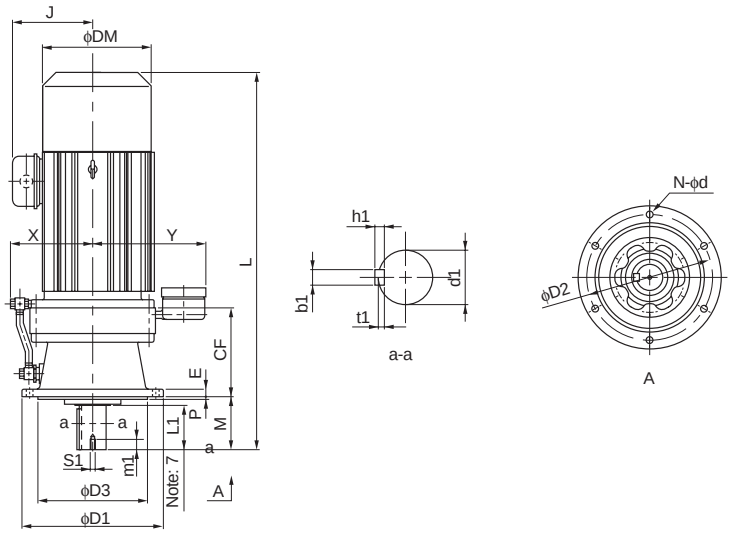
Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
610□	108	160	134	110	48	9	3	4	11	107	28	35	8	7	4	M8	20
611□	112	210	180	140	58	11	4	6	11	116	32	45	10	8	5	M8	20
612□	117	210	180	140	69	13	4	6	11	137	38	55	10	8	5	M8	20

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.”

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

CVVM[Note 1]- 613□ to 614□



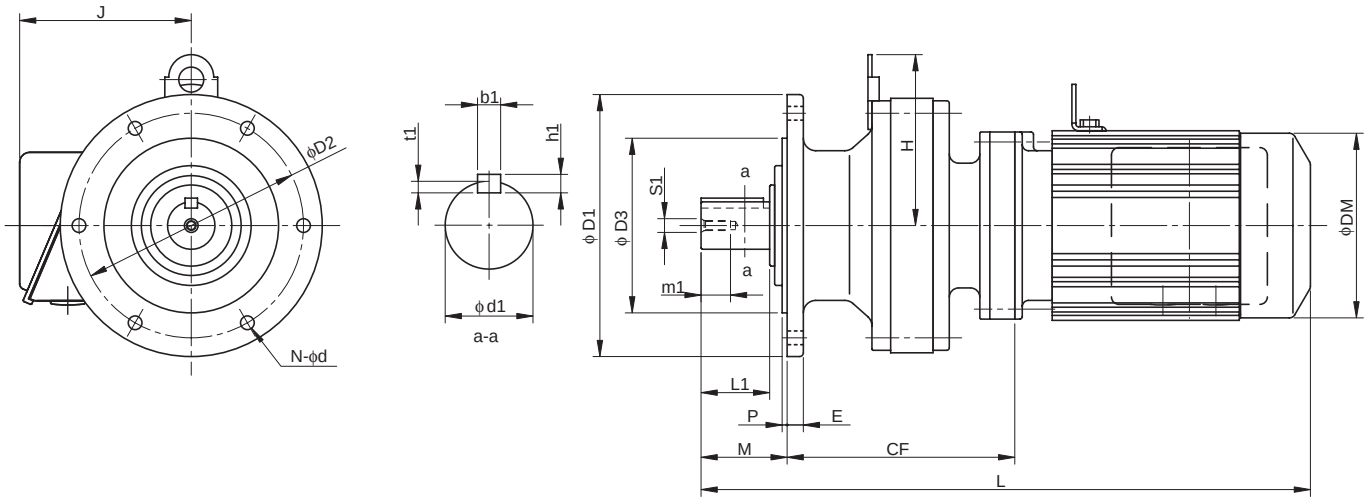
Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
613□	164	260	230	200	76	15	4	6	11	152	233	50	61	14	9	5.5	M10	18
614□	164	260	230	200	96	15	4	6	11	152	233	50	81	14	9	5.5	M10	18

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

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

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

CNVM[Note 1]- 606□DA to 612□DB



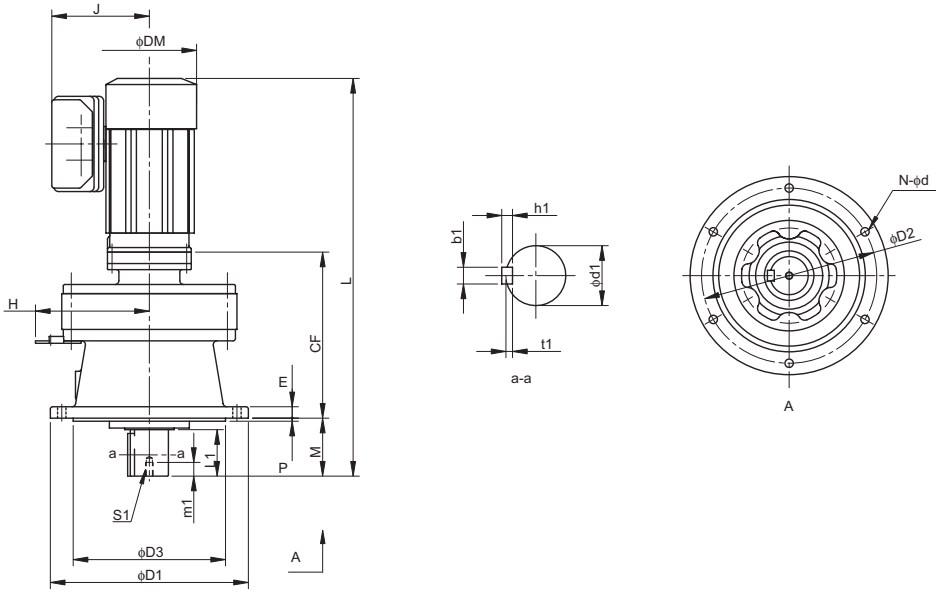
Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
606□DA	91	120	102	80	34	8	3	6	9	-	14	25	5	5	3	M5	16
607□DA	89	160	134	110	42	9	3	4	11	-	18	30	6	6	3.5	M6	16
609□DA	142	160	134	110	48	9	3	4	11	107	28	35	8	7	4	M8	20
610□DA	156	160	134	110	48	9	3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

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

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

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

CVVM[Note 1]- 613□DA to 614□DC



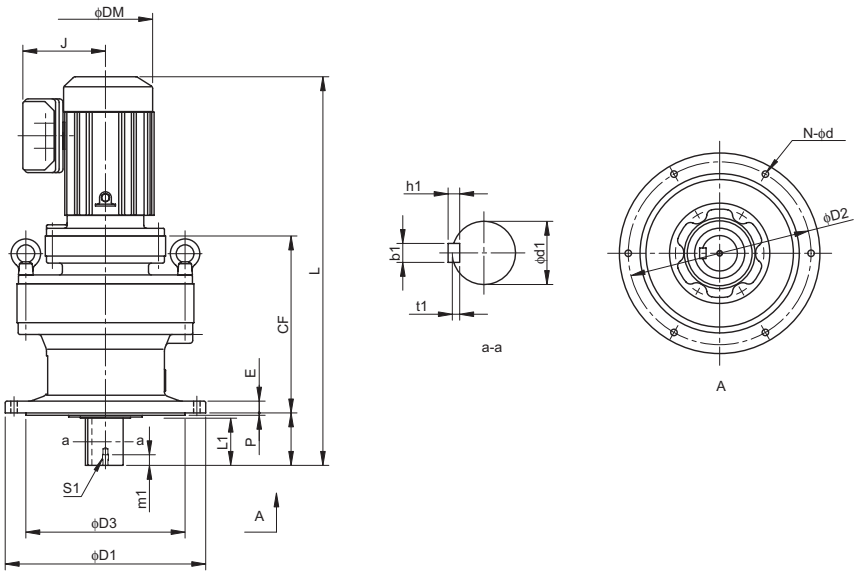
Frame size [Note 5]	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft [Note 2, 3, 7]						
											d1	L1	b1	h1	t1	S1	m1
613□DA	218	260	230	200	76	15	4	6	11	150	50	61	14	9	5.5	M10	18
613□DB	227	260	230	200	76	15	4	6	11	150	50	61	14	9	5.5	M10	18
613□DC	241	260	230	200	76	15	4	6	11	-	50	61	14	9	5.5	M10	18
614□DA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

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

Note: 1. □ indicates motor capacity.
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."
3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."
4. Pilot diameter (ϕD3): Dimension tolerance conforms to JIS B 0401-1976 “f8.”

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

CVVM[ ]Note 1 - 616□DA to 618□DA



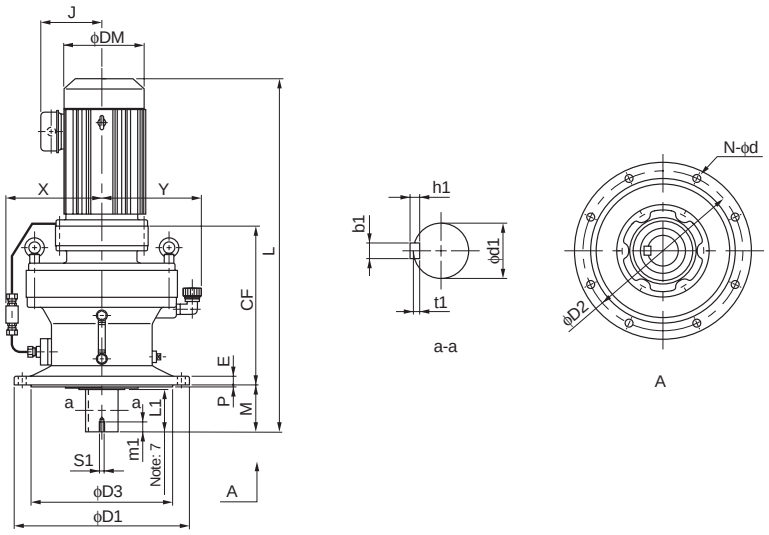
Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
616□DA	285	340	310	270	89	20	4	6	11	-	60	80	18	11	7	M10	18
616□DB	299	340	310	270	89	20	4	6	11	-	60	80	18	11	7	M10	18
617□DA	324	400	360	316	94	22	5	8	14	-	70	84	20	12	7.5	M12	24
617□DB	338	400	360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

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

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

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

CVVM□ Note 1 - 619□DA to 619□DB



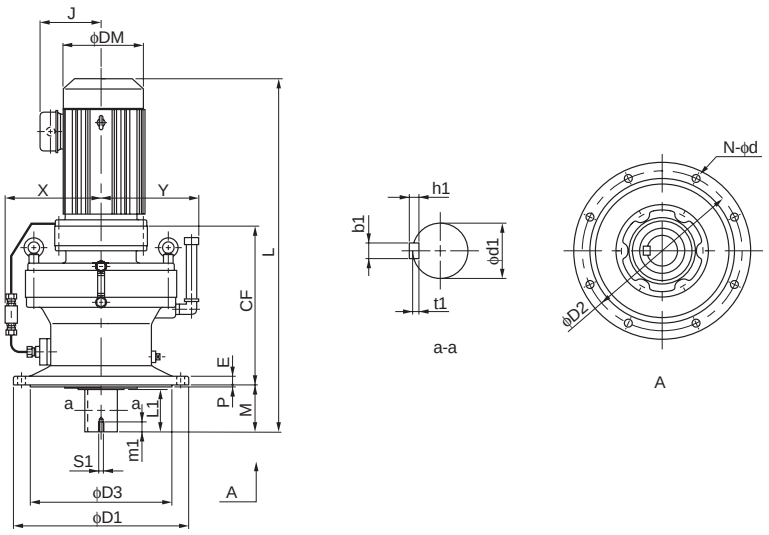
Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
619□DA	411	490	450	400	145	30	6	12	18	255	270	95	125	25	14	9	M20	34
619□DB	427	490	450	400	145	30	6	12	18	255	270	95	125	25	14	9	M20	34

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

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

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

CVVM□ Note 1 - 6205DA to 6215DA



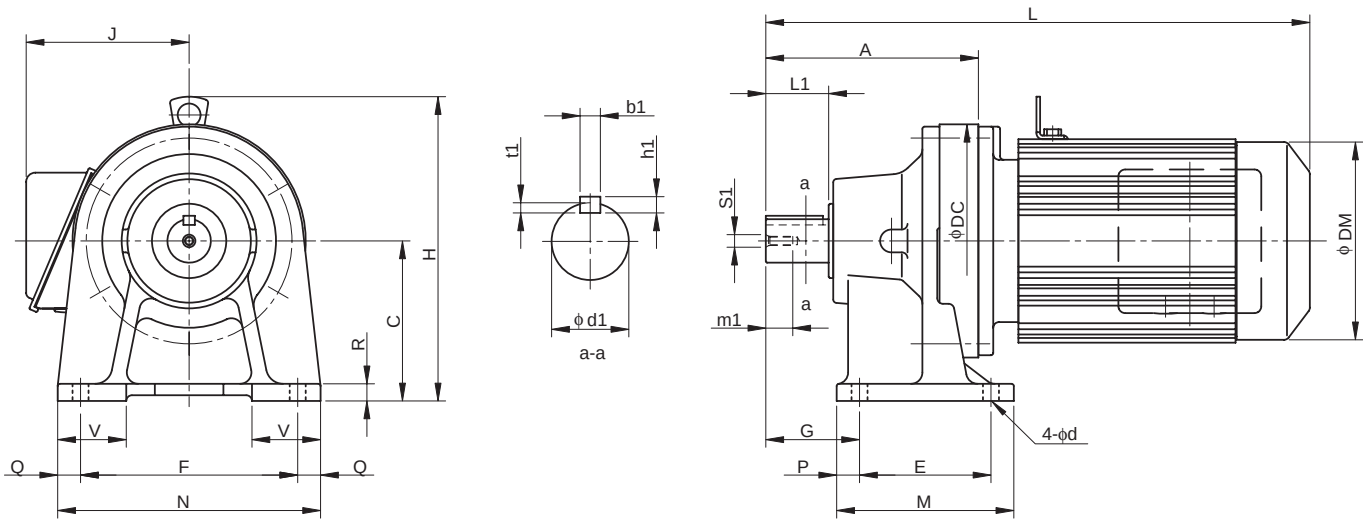
Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 6						
												d1	L1	b1	h1	t1	S1	m1
6205DA	393	455	405	355	204	30	5	8	22	341	287	100	165	28	16	10	M20	34
6205DB	420	455	405	355	204	30	5	8	22	341	287	100	165	28	16	10	M20	34
6215DA	447	490	440	390	203	35	7	8	24	348	306	110	165	28	16	10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

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

Note: 1. □ indicates motor capacity.
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."
3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."
4. Pilot diameter (ϕD3): Dimension tolerance conforms to JIS B 0401-1976 “f8.”

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM□ Note 1 - 610H, 612H (Center Height Option)



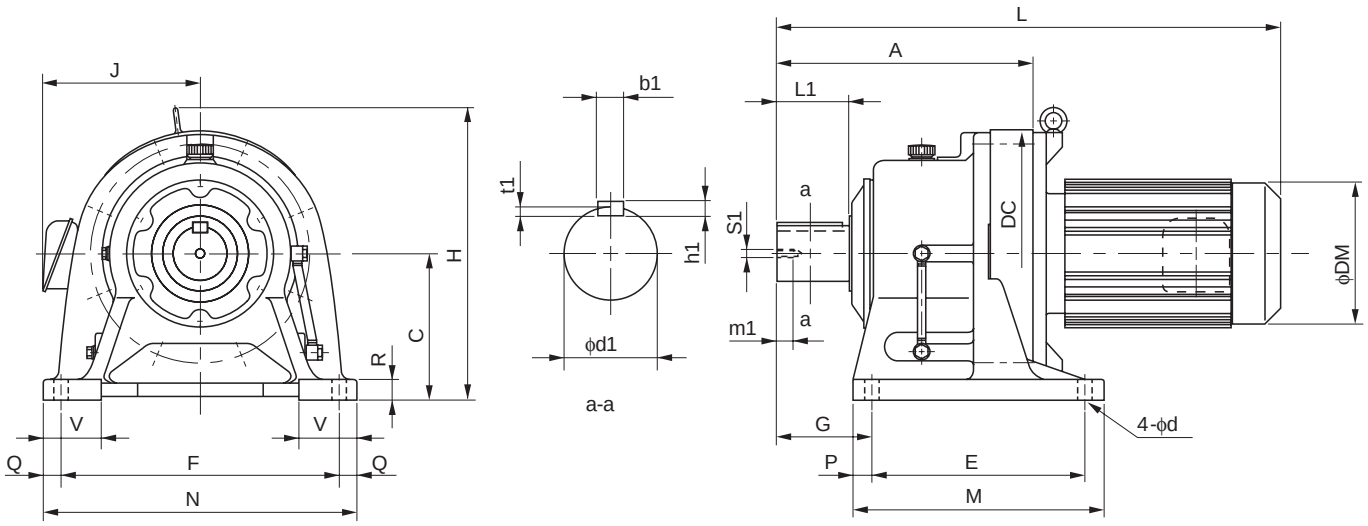
Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 5						
														d1	L1	b1	h1	t1	S1	m1
610H	156	120	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20
612H	186	140	204	115	190	82	155	230	20	20	15	60	14	38	55	10	8	5	M8	20

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM[Note 1]- 614H, 616H (Center Height Option)



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

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

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

Note: 4. "B" after the frame size indicates models equipped with brake.
5. Dimension of shaft end: Refer to pages F-28 to F-29 for details.
6. Dimensions in above drawings are subject to change without notice.