

CYCLO DRIVE WARRANTY 2 YEARS

Sumitomo Drive Technologies
» Building Tomorrow Together

CYCLO DRIVE GEAR MOTOR
CNHM CHHM CNVM CVVM

Sumitomo Drive Technologies
CYCLO 6000

Sumitomo Drive Technologies

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LET'S SUMITOMO GEAR MOTOR

Nomenclature

CYCLO DRIVE WARRANTY 2 YEARS

Slow Speed Shaft Direction	
Horizontal, slow speed shaft level	H
Vertical, slow speed shaft down	V
Vertically, slow speed shaft up	W
Universal mounting	N

Mounting style	
Foot	H
V flange	V
Flange	F

Type of Input	
Gearmotor	M
With adaptor	JM

Special Specifications	
Standard specification	blank
Special specification	S

		Motor Capacity Symbol					
4P	Capacity symbol	01	02	03	05	08	1
	kW (HP)	0.1 (1/8)	0.2 (1/4)	0.25 (1/3)	0.4 (1/2)	0.55 (3/4)	0.75 (1)
	Capacity symbol	1H	2	3	4	5	8
	kW (HP)	1.1 (1.5)	1.5 (2)	2.2 (3)	3.0 (4)	3.7 (5)	5.5 (7.5)
	Capacity symbol	10	15	20	25	30	40
	kW (HP)	7.5 (10)	11 (15)	15 (20)	18.5 (25)	22 (30)	30 (40)
6P	Capacity symbol	50	60	75	100		
	kW (HP)	37 (50)	45 (60)	55 (75)	75 (100)		
	Capacity symbol	016	026	036	056	086	16
	kW (HP)	0.1 (1/8)	0.2 (1/4)	0.25 (1/3)	0.4 (1/2)	0.55 (3/4)	0.75 (1)
	Capacity symbol	1H6	26	36	46	56	86
	kW (HP)	1.1 (1.5)	1.5 (2)	2.2 (3)	3.0 (4)	3.7 (5)	5.5 (7.5)
	Capacity symbol	106	156	206	256	306	406
	kW (HP)	7.5 (10)	11 (15)	15 (20)	18.5 (25)	22 (30)	30 (40)
	Capacity symbol	506	606	756	1006	1256	1506
	kW (HP)	37 (50)	45 (60)	55 (75)	75 (100)	90 (125)	110 (150)
	Capacity symbol	1756					
	kW (HP)	132 (175)					

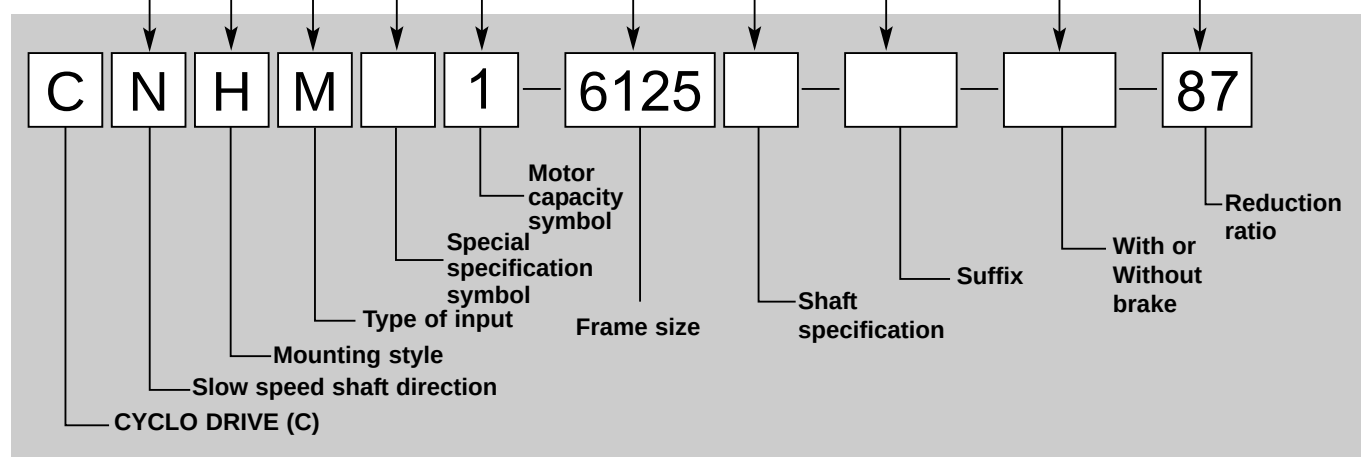
Shaft specification	
Metric JIS (Standard)	-
Inch size	Y
Metric DIN	G

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

With or Without Brake	
Without brake	-
With brake	B

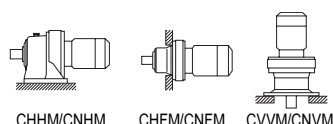
Frame size
(Refer to Selection
Tables starting from
page B-13.)

Nominal ratio



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

Selection Tables Gearmotors



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

n₁: Motor Speed

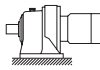
50Hz					60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro	SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro	SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHH	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
242	28.2	2.87	1370	140	292	23.3	2.38	1290	132	1 - 6070SK	- 6	*3	B-98	-	B-133
			1370	140				1290	132	1 - 6075SK	- 6	*3	B-98	-	B-133
			1580	161				1520	155	1 - 6080SK	- 6	*3	B-98	-	B-133
			1580	161				1520	155	1 - 6085SK	- 6	*3	B-98	-	B-133
			2880	294				2750	280	1 - 6090SK	- 6	*3	B-98	-	B-133
			2880	294				2750	280	1 - 6095SK	- 6	*3	B-98	-	B-133
			2880	294				2750	280	1 - 6100SK	- 6	*3	B-99	-	B-134
			1900	193				1790	182	1 - 6085	- 6		B-100	B-116	B-135
			2840	290				2670	273	1 - 6090	- 6		B-100	B-116	B-135
			2840	290				2670	273	1 - 6095	- 6		B-100	B-116	B-135
181	37.5	3.83	1510	154	219	31.1	3.17	1420	145	1 - 6075SK	- 8	*3	B-98	-	B-133
			1660	169				1590	162	1 - 6080SK	- 8	*3	B-98	-	B-133
			1660	169				1590	162	1 - 6085SK	- 8	*3	B-98	-	B-133
			3210	327				3060	312	1 - 6090SK	- 8	*3	B-98	-	B-133
			3210	327				3060	312	1 - 6095SK	- 8	*3	B-98	-	B-133
			3210	327				3060	312	1 - 6100SK	- 8	*3	B-99	-	B-134
			3210	327				3060	312	1 - 6105SK	- 8	*3	B-99	-	B-134
			2050	209				1930	197	1 - 6085	- 8		B-100	B-116	B-135
			3160	322				2980	304	1 - 6090	- 8		B-100	B-116	B-135
			3160	322				2980	304	1 - 6095	- 8		B-100	B-116	B-135
145	46.9	4.78	1740	177	175	38.9	3.96	1680	171	1 - 6080SK	- 10	*3	B-98	-	B-133
			1740	177				1680	171	1 - 6085SK	- 10	*3	B-98	-	B-133
			3380	345				3240	330	1 - 6090SK	- 10	*3	B-98	-	B-133
			3380	345				3240	330	1 - 6095SK	- 10	*3	B-98	-	B-133
			3380	345				3240	330	1 - 6100SK	- 10	*3	B-99	-	B-134
			3380	345				3240	330	1 - 6105SK	- 10	*3	B-99	-	B-134
132	51.6	5.26	2250	230	159	42.8	4.36	2130	217	1 - 6085	- 11		B-100	B-116	B-135
			3340	340				3340	340	1 - 6090	- 11		B-100	B-116	B-135
			3340	340				3340	340	1 - 6095	- 11		B-100	B-116	B-135
112	61.0	6.22	2410	246	135	50.5	5.15	2280	233	1 - 6085	- 13		B-100	B-116	B-135
			3340	340				3340	340	1 - 6090	- 13		B-100	B-116	B-135
			3340	340				3340	340	1 - 6095	- 13		B-100	B-116	B-135
96.7	70.4	7.18	2490	253	117	58.3	5.95	2350	240	1 - 6085	- 15		B-100	B-116	B-135
			3340	340				3340	340	1 - 6090	- 15		B-100	B-116	B-135
			3340	340				3340	340	1 - 6095	- 15		B-100	B-116	B-135
85.3	79.8	8.13	2560	261	103	66.1	6.74	2460	251	1 - 6085	- 17		B-100	B-116	B-135
			3340	340				3340	340	1 - 6090	- 17		B-100	B-116	B-135
			3340	340				3340	340	1 - 6095	- 17		B-100	B-116	B-135
			5400	550				5400	550	1 - 6100	- 17		B-101	B-117	B-136
69.0	98.5	10.0	3340	340	83.3	81.7	8.32	3340	340	1 - 6090	- 21		B-100	B-116	B-135
			3340	340				3340	340	1 - 6095	- 21		B-100	B-116	B-135
			5400	550				5400	550	1 - 6100	- 21		B-101	B-117	B-136
58.0	117	12.0	3340	340	70.0	97.2	9.91	3340	340	1 - 6095	- 25		B-100	B-116	B-135
			5400	550				5400	550	1 - 6100	- 25		B-101	B-117	B-136
			5400	550				5400	550	1 - 6105	- 25		B-101	B-117	B-136
			7240	738				6810	694	1 - 6110	- 25		B-101	B-117	B-136
50.0	136	13.9	7240	738	60.3	113	11.5	6810	694	1 - 6115	- 25		B-101	B-117	B-136
			3320	338				3340	340	1 - 6095	- 29		B-100	B-116	B-135
			5400	550				5400	550	1 - 6100	- 29		B-101	B-117	B-136
			5400	550				5400	550	1 - 6105	- 29		B-101	B-117	B-136
			7410	756				7000	714	1 - 6110	- 29		B-101	B-117	B-136
			7410	756				7000	714	1 - 6115	- 29		B-101	B-117	B-136

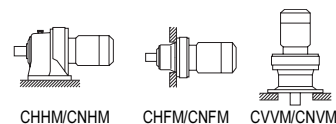
GEARMOTORS

Selection Tables
0.55 kW, 0.75 kW

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

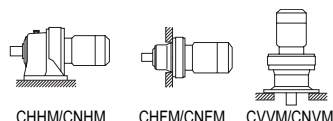
Selection Tables Gearmotors

0.75 kW		n ₁ : Motor Speed				 CHHM/CNHM		 CHFM/CNFM		 CNVM/CVVM							
		Hz		50Hz								60Hz					
		P		4	6							4	6				
		n ₁	r/min	1450	980							1750	1165				
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM		
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM		
41.4	164	16.7	3270	334	1.01	50.0	136	13.9	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	
			5400	550	1.60				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	
33.7	202	20.6	3210	328	0.80	40.7	167	17.0	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	
			7610	776	1.73				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	
28.4	239	24.4	9810	1000	2.55	34.3	198	20.2	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	
			7610	776	1.48				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	
24.6	277	28.2	9810	1000	2.63	29.7	229	23.4	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	
			9810	1000	1.73				9810	1000	1.73	1 - 6120	- 59	B-101	B-117	B-136	
20.4	333	34.0	9810	1000	2.16	24.6	276	28.1	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	
			9810	1000	1.52				9810	1000	1.60	1 - 6125	- 71	B-101	B-117	B-136	
16.7	408	41.6	14000	1420	2.35	20.1	338	34.5	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	
13.9	462	47.1	14700	1500	1.89	16.8	383	39.1	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	
12.0	538	54.8	9810	1000	1.36	14.5	446	45.4	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	
			14700	1500	2.03				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	
			16000	1630	2.13				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	



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

Selection Tables Gearmotors



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

n₁: Motor Speed

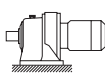
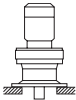
50Hz						60Hz					Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM	
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM	
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	
			9810	1000	0.98				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	
	636	64.8	16000	1630	1.93			527	53.7	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	
			9810	1000	0.86				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	
	734	74.8	16000	1630	1.67			608	62.0	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	
			14700	1500	1.08				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	
	867	88.4	22100	2250	2.02			718	73.2	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
			14700	1500	0.92				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	
	1030	105	22100	2250	1.71			851	86.7	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
			16000	1630	1.01				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	
	1210	124	22100	2250	1.73			1010	103	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

GEARMOTORS

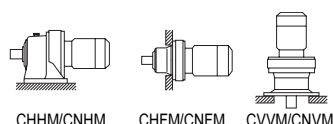
Selection Tables
0.75 kW

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

Selection Tables Gearmotors

0.75 kW		n ₁ : Motor Speed								 CHHM/CNHM		 CHFM/CNFM		 CNVM/CVVM					
		Hz		50Hz		60Hz													
		P		4	6	4	6												
		n ₁	r/min	1450	980	1750	1165												
50Hz						60Hz						Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM		
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM		
4.55	940	95.8	14700	1500	*1	5.49	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		
	1420	145	29500	3010	1.78			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					
3.85	1230	125	16000	1630	*1	4.64	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		
	1680	171	29500	3010	1.51			29500	3010	1.82	1	- 6170DA	- 377	B-110	B-126	B-145			
			29500	3010	1.88			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			
3.07	1370	140	15700	1600	*1	3.70	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		
	2100	214	29500	3010	1.20			29500	3010	1.45	1	- 6170DA	- 473	B-110	B-126	B-145			
			29500	3010	1.50			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			
	2.59	1740	177	22100	2250		*1	3.13	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		
2490		253	29500	3010	1.27		29500		3010	1.53	1	- 6175DA	- 559	B-110	B-126	B-145			
			41700	4250	1.63		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			
2.23		2100	214	22100	2250	*1	2.70		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		
	2890	294	41700	4250	1.73			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			
			1.98	2100	214	22100		2250	*1	2.39	2100	214	22100	2250	*1	1	- 6165DA	- 731	B-110
	2530	258		29500	3010	*1			2530		258	29500	3010	*1	1	- 6170DA	- 731	B-110	B-126
		29500		3010	0.97			29500	3010		1.17	1	- 6175DA	- 731	B-110	B-126	B-145		
3250	331	41700		4250	1.25		41700	4250	1.51		1	- 6180DA	- 731	B-110	B-126	B-145			
		41700		4250	1.54		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			
1.72	2530	258		29500	3010	*1	2.08	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		
	3740	381	41700	4250	1.34			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			
			1.45	3150	321	29500		3010	*1	1.74	3150	321	29500	3010	*1	1	- 6175DA	- 1003	B-110
				41700	4250	1.12					41700	4250	1.35	1	- 6185DA	- 1003	B-110	B-126	B-145
4460	455	59000		6010	1.43		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			

Selection Tables Gearmotors



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

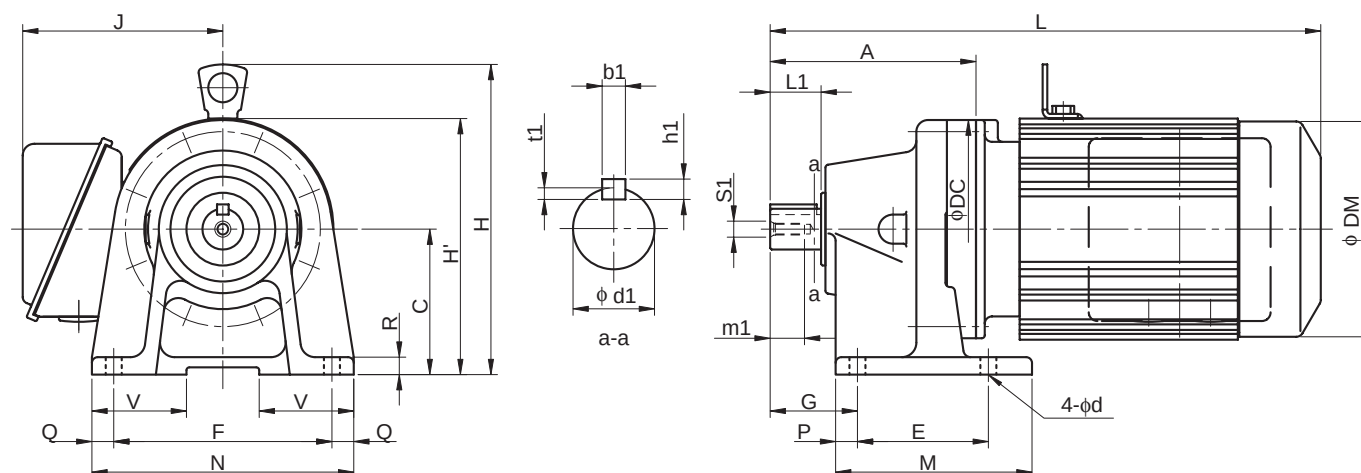
50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
1.16	4060	414	41700	4250	*1	1.40	4060	414	41700	4250	*1	1 -	6180DA	-1247	B-110	B-126	B-145
			41700	4250	0.90				41700	4250	1.09	1 -	6185DA	-1247	B-110	B-126	B-145
	5540	565	59000	6010	1.15		4590	468	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
							6810	694	59000	6010	1.17	1 -	6195DA	-1849	B-111	B-128	B-147
	8220	838	58900	6000	0.97												
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

GEARMOTORS

Selection Tables
0.75 kW

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

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	

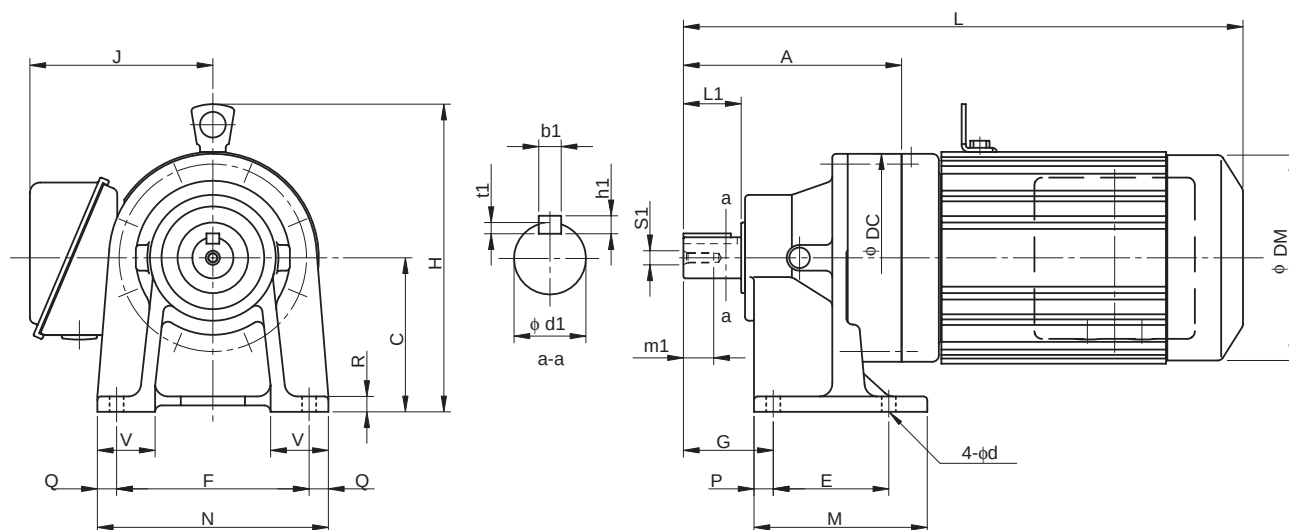
Note: 1. □ indicates motor capacity.

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

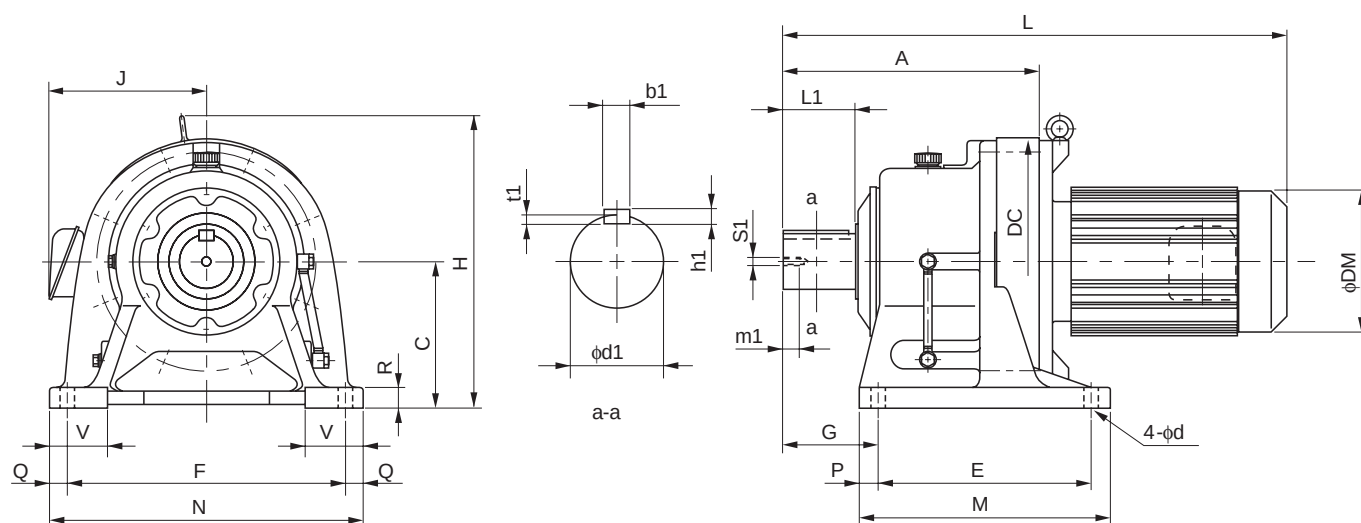
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

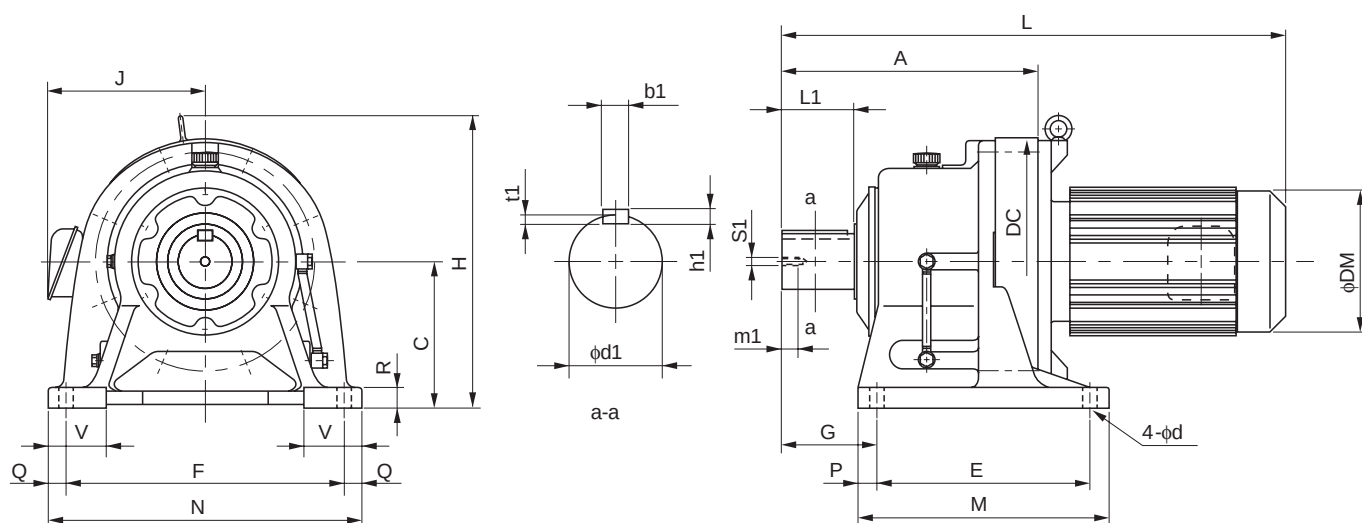
Note: 1. □ indicates motor capacity.

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□



GEARMOTORS

Dimension Tables
CHHM

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 height options.

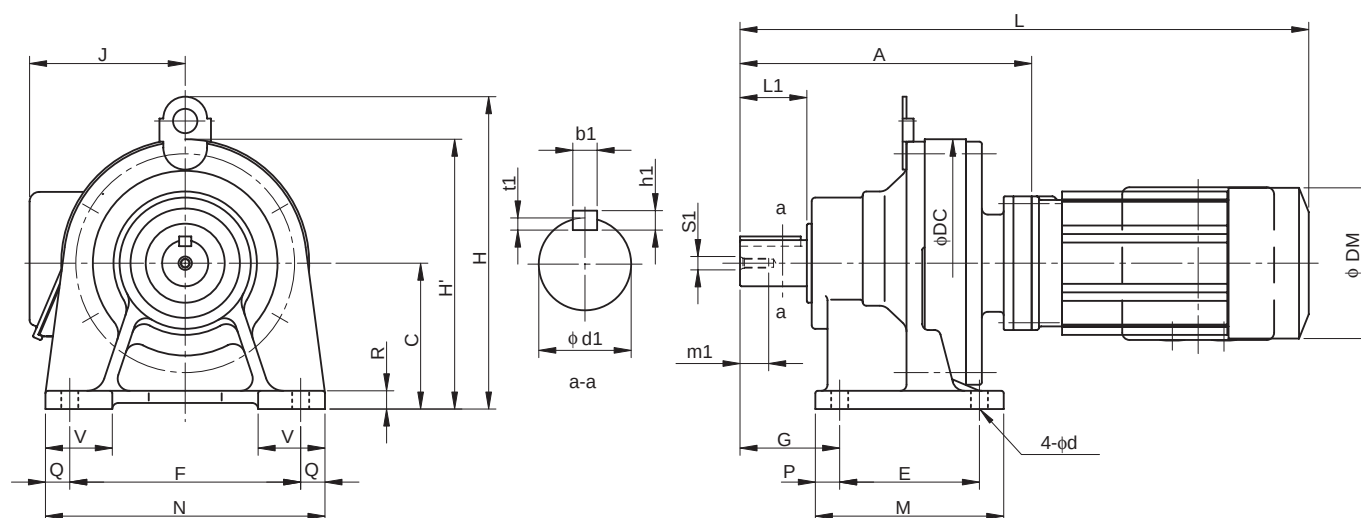
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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		Standard							With Brake						
	kW	P	L	H	H'	J	DM	W(kg)		L	H	H'	J	DM	W(kg)	
CNHM01 - 606□DA - (B) - Ratio	0.1	4	287	-	140	130	119	9		294	-	138	130	124	10	
CNHM01 - 607□DA - (B) - Ratio	0.1	4	293	-	140	130	119	9		300	-	138	130	124	10	
CNHM02 - 607□DA - (B) - Ratio	0.2	4	311	-	140	130	124	10		339	-	138	130	124	11	
CNHM01 - 609□DA - (B) - Ratio	0.1	4	352	207	-	130	119	17		359	207	-	130	124	18	
CNHM02 - 609□DA - (B) - Ratio	0.2	4	370	207	-	130	124	18		398	207	-	130	124	19	
CNHM03 - 609□DA - (B) - Ratio	0.25	4	370	207	-	130	124	18		398	207	-	130	124	19	
CNHM05 - 609□DA - (B) - Ratio	0.4	4	386	207	-	130	124	19		418	207	-	130	124	20	
CNHM01 - 610□DA - (B) - Ratio	0.1	4	366	207	-	130	119	19		373	207	-	130	124	20	
CNHM02 - 610□DA - (B) - Ratio	0.2	4	384	207	-	130	124	20		412	207	-	130	124	21	
CNHM03 - 610□DA - (B) - Ratio	0.25	4	384	207	-	130	124	20		412	207	-	130	124	21	
CNHM05 - 610□DA - (B) - Ratio	0.4	4	400	207	-	130	124	21		432	207	-	130	124	22	
CNHM01 - 612□DA - (B) - Ratio	0.1	4	402	257	-	130	119	30		409	257	-	130	124	31	
CNHM02 - 612□DA - (B) - Ratio	0.2	4	420	257	-	130	124	31		448	257	-	130	124	32	
CNHM03 - 612□DA - (B) - Ratio	0.25	4	420	257	-	130	124	31		448	257	-	130	124	32	
CNHM05 - 612□DA - (B) - Ratio	0.4	4	436	257	-	130	124	32		468	257	-	130	124	33	
CNHM01 - 612□DB - (B) - Ratio	0.1	4	414	257	-	130	119	33		421	257	-	130	124	35	
CNHM02 - 612□DB - (B) - Ratio	0.2	4	432	257	-	130	124	34		473	257	-	130	124	36	
CNHM03 - 612□DB - (B) - Ratio	0.25	4	432	257	-	130	124	34		473	257	-	130	124	36	
CNHM05 - 612□DB - (B) - Ratio	0.4	4	448	257	-	130	124	35		473	257	-	130	124	37	
CNHM08 - 612□DB - (B) - Ratio	0.55	4	489	257	-	140	148	39		532	257	-	140	148	42	
CNHM1 - 612□DB - (B) - Ratio	0.75	4	489	257	-	140	148	39		532	257	-	140	148	42	
CNHM1H - 612□DB - (B) - Ratio	1.1	4	516	257	-	145	160	42		578	257	-	145	160	47	
CNHM2 - 612□DB - (B) - Ratio	1.5	4	516	257	-	145	160	42		578	257	-	145	160	47	

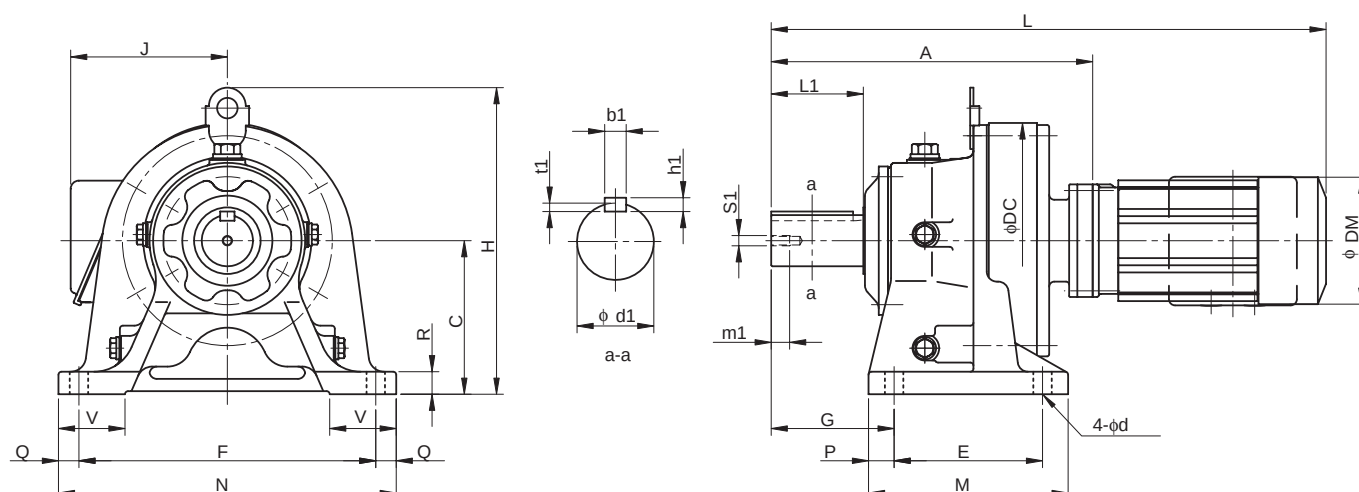
Note: 1. □ indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 613□DA to 614□DC



GEARMOTORS

Dimension Tables
CHHM

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d ₁	L ₁	b ₁	h ₁	t ₁	S ₁	m ₁
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

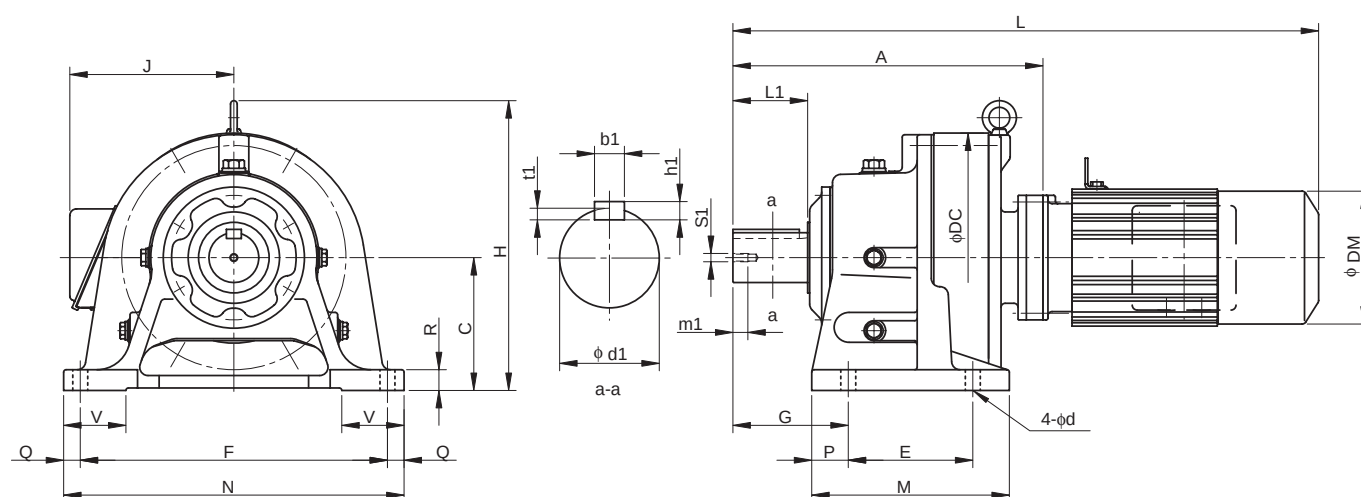
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

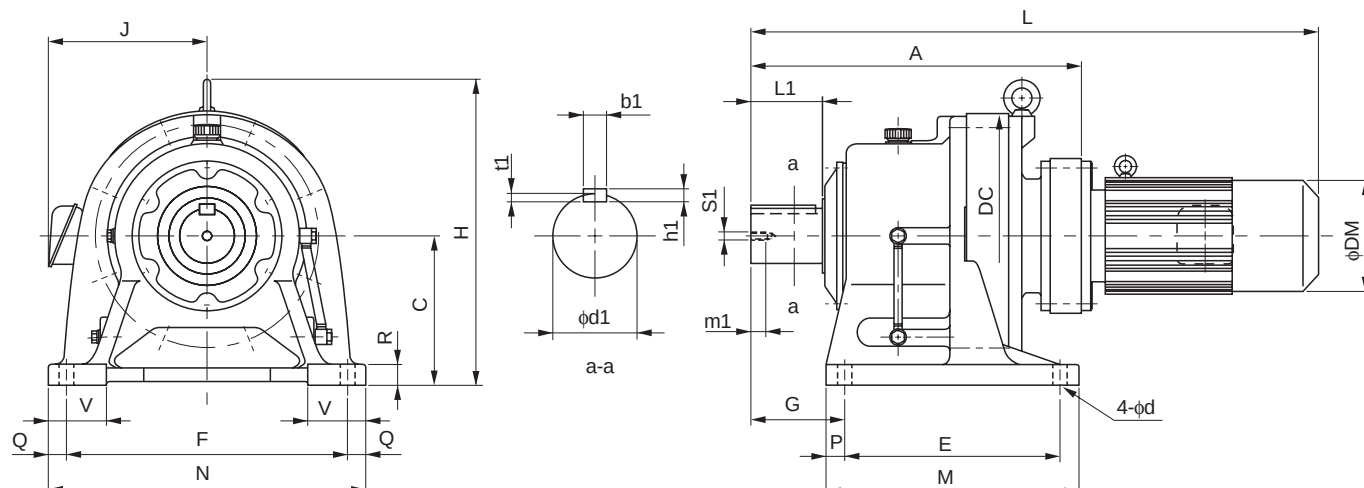
Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
616□DA	373	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
616□DB	387	160	300	150	370	139	238	410	44	20	25	75	18	60	90	18	11	7	M10	18
617□DA	418	200	340	275	380	125	335	430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



GEARMOTORS

Dimension Tables
CHHM

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		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	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

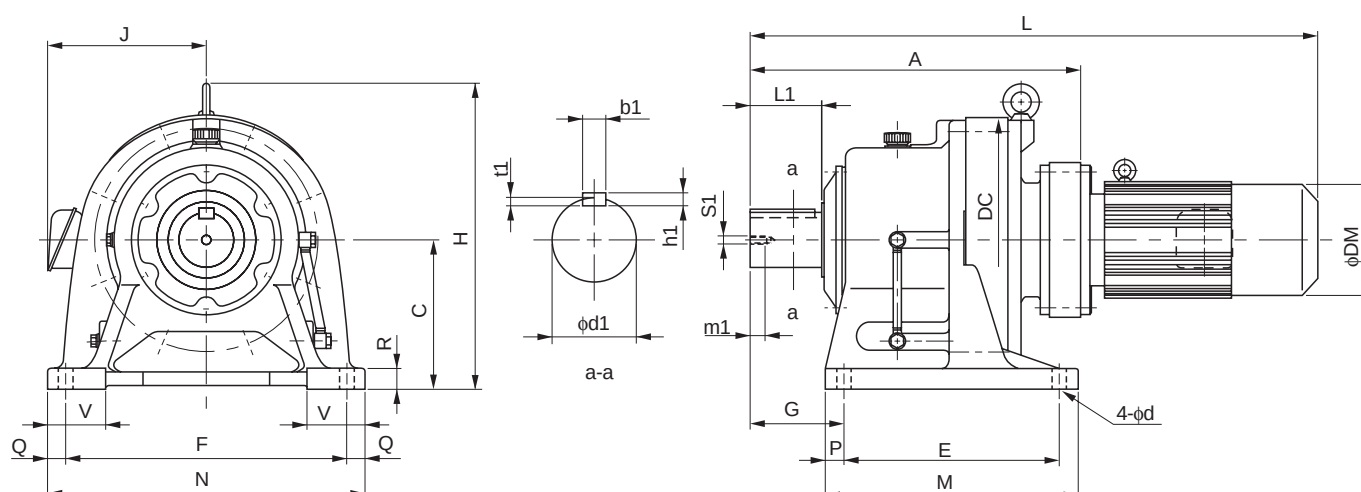
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

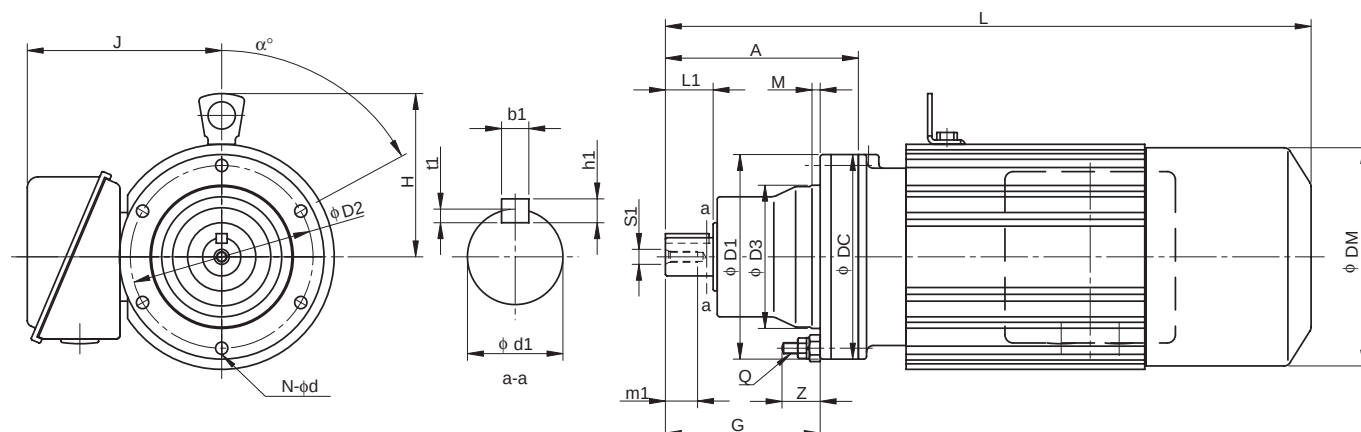
Model Note 4, 5	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CHHM2 - 619□DB - (B) - Ratio	1.5	4	842	531	145	160	261		904	531	145	160	266	
CHHM3 - 619□DB - (B) - Ratio	2.2	4	862	531	152	173	265		925	531	152	173	272	
CHHM4 - 619□DB - (B) - Ratio	3.0	4	885	531	168	212	275		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
606 [□]	92	68	110	98	80	110	M6	21	4	6	6.6	60	14	25	5	5	3
607 [□]	98	74	110	98	80	110	M6	21	4	6	6.6	60	18	30	6	6	3.5
608 [□]	129	91	134	118	95	134	M8	27	5	8	9	22.5	22	35	6	6	3.5
609 [□]	142	114	150	134	105	150	M8	28	6	8	9	22.5	28	35	8	7	4

Model Note 5, 6	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	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

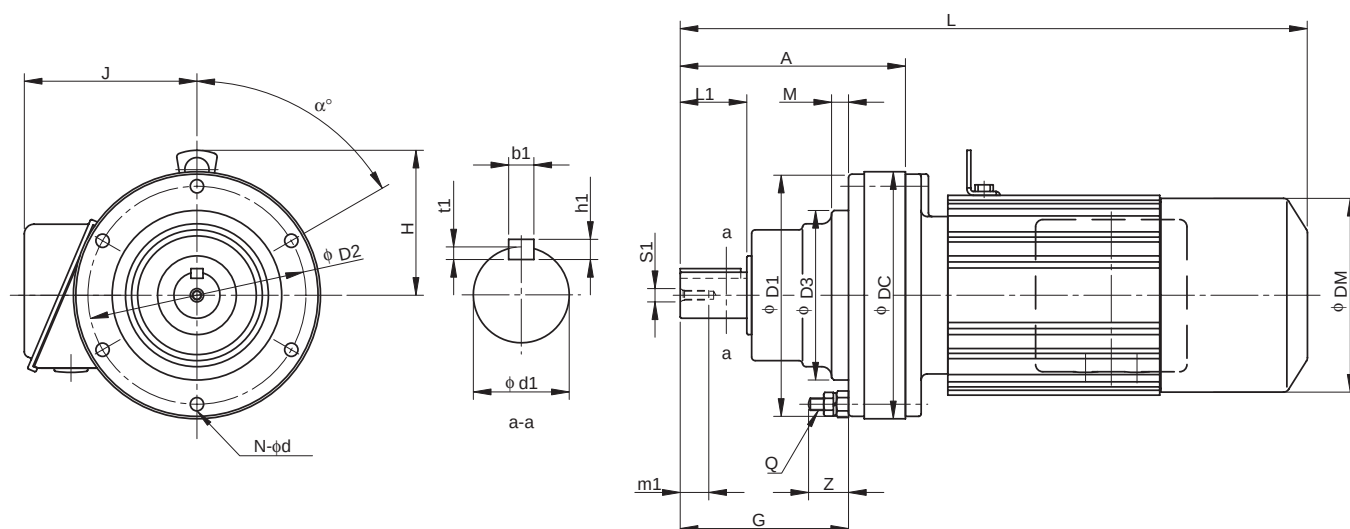
Note: 1. [□] indicates motor capacity.

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 ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "g6."

Dimension Tables Gearmotors (Universal Direction, Flange Mount)

CNFM^{Note 1} - 610^{Note 5} to 612^{Note 5}

GEARMOTORS

Dimension Tables
CNFM

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 ^{Note 5}	0.2	4	336	-	130	124	14		364	-	130	124	16	
CNFM03 - 610 ^{Note 5}	0.25	4	336	-	130	124	14		364	-	130	124	16	
CNFM05 - 610 ^{Note 5}	0.4	4	352	-	130	124	15		384	-	130	124	17	
CNFM08 - 610 ^{Note 5}	0.55	4	393	113	140	148	19		436	113	140	148	22	
CNFM1 - 610 ^{Note 5}	0.75	4	393	113	140	148	19		436	113	140	148	22	
CNFM1H - 610 ^{Note 5}	1.1	4	426	120	145	160	23		488	120	145	160	28	
CNFM2 - 610 ^{Note 5}	1.5	4	426	120	145	160	23		488	120	145	160	28	
CNFM3 - 610 ^{Note 5}	2.2	4	446	126	152	173	27		509	126	152	173	33	
CNFM05 - 611 ^{Note 5}	0.4	4	363	-	130	124	17		394	-	130	124	18	
CNFM08 - 611 ^{Note 5}	0.55	4	403	113	140	148	20		452	113	140	148	23	
CNFM1 - 611 ^{Note 5}	0.75	4	403	113	140	148	20		452	113	140	148	23	
CNFM1H - 611 ^{Note 5}	1.1	4	436	120	145	160	23		493	120	145	160	28	
CNFM2 - 611 ^{Note 5}	1.5	4	436	120	145	160	23		493	120	145	160	28	
CNFM3 - 611 ^{Note 5}	2.2	4	456	126	152	173	27		519	126	152	173	33	
CNFM4 - 611 ^{Note 5}	3.0	4	491	146	168	212	37		563	146	168	212	47	
CNFM5 - 611 ^{Note 5}	3.7	4	491	146	168	212	37		563	146	168	212	47	
CNFM05 - 612 ^{Note 5}	0.4	4	387	113	130	124	26		419	113	130	124	28	
CNFM08 - 612 ^{Note 5}	0.55	4	423	113	140	148	28		466	113	140	148	31	
CNFM1 - 612 ^{Note 5}	0.75	4	423	113	140	148	28		466	113	140	148	31	
CNFM1H - 612 ^{Note 5}	1.1	4	456	120	145	160	32		518	120	145	160	37	
CNFM2 - 612 ^{Note 5}	1.5	4	456	120	145	160	32		518	120	145	160	37	
CNFM3 - 612 ^{Note 5}	2.2	4	476	126	152	173	36		539	126	152	173	43	
CNFM4 - 612 ^{Note 5}	3.0	4	499	146	168	212	46		571	146	168	212	56	
CNFM5 - 612 ^{Note 5}	3.7	4	499	146	168	212	46		571	146	168	212	56	
CNFM8 - 612 ^{Note 5}	5.5	4	543	146	168	212	53		615	146	168	212	63	

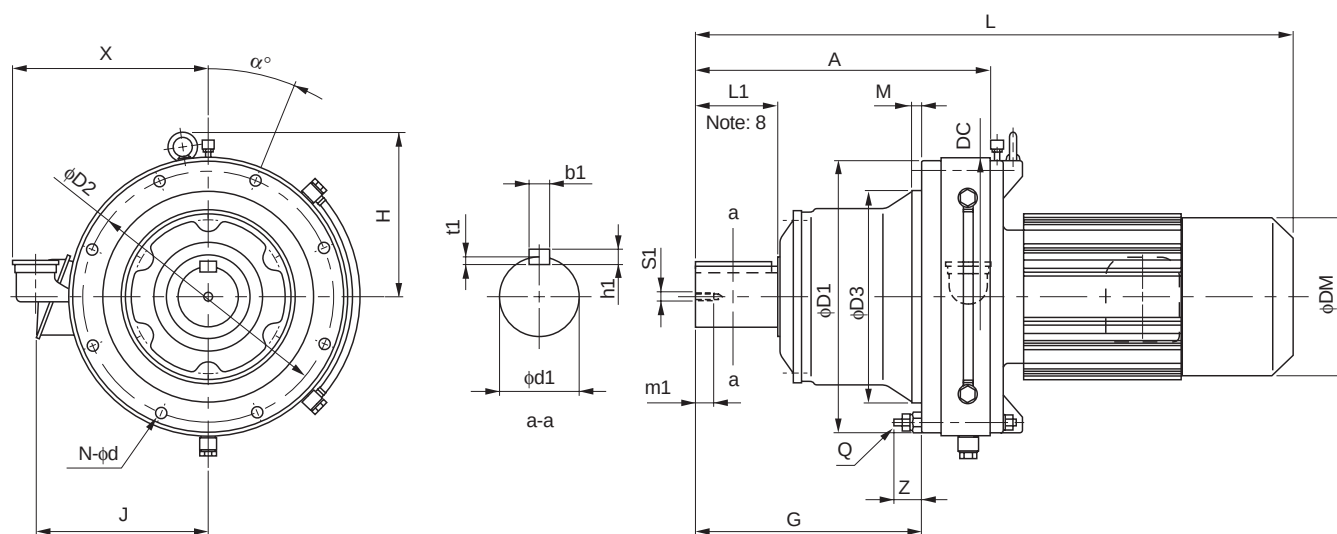
Note: 5. ^{Note 5} indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

Note: 1. [□] indicates motor capacity.

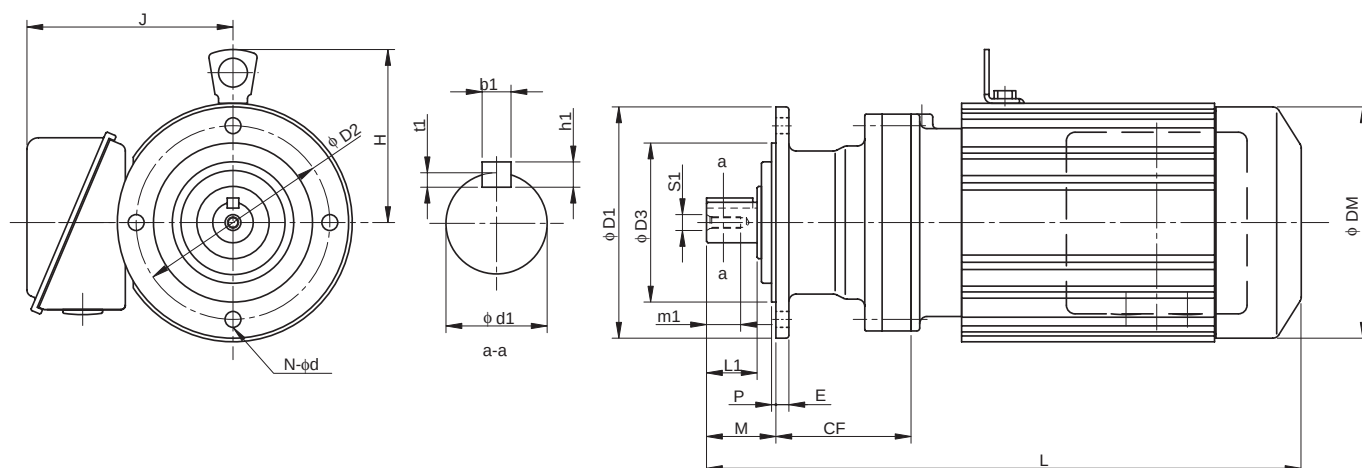
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter (ϕD_3): 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

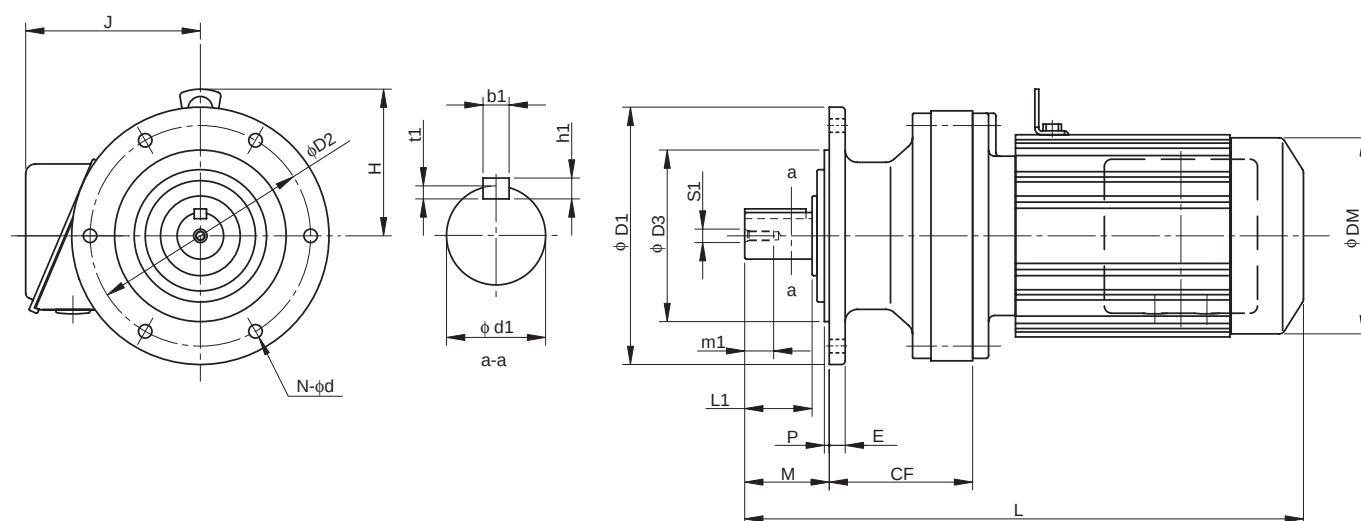
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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.

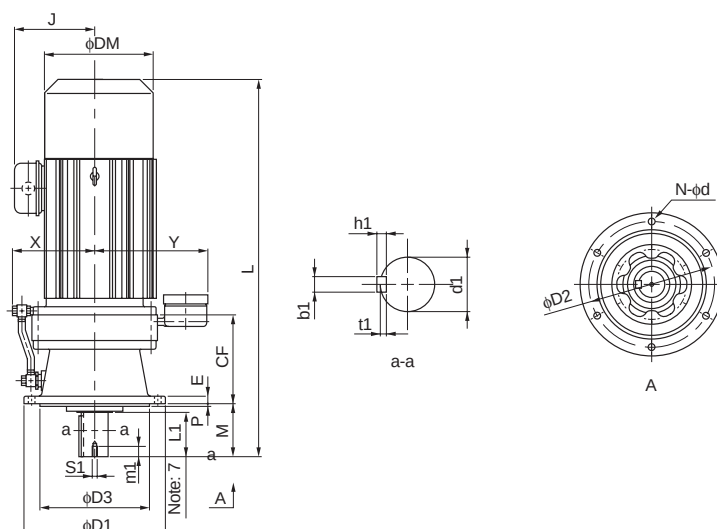
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter ($\phi D3$): 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□



GEARMOTORS

 Dimension Tables
CVVM

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

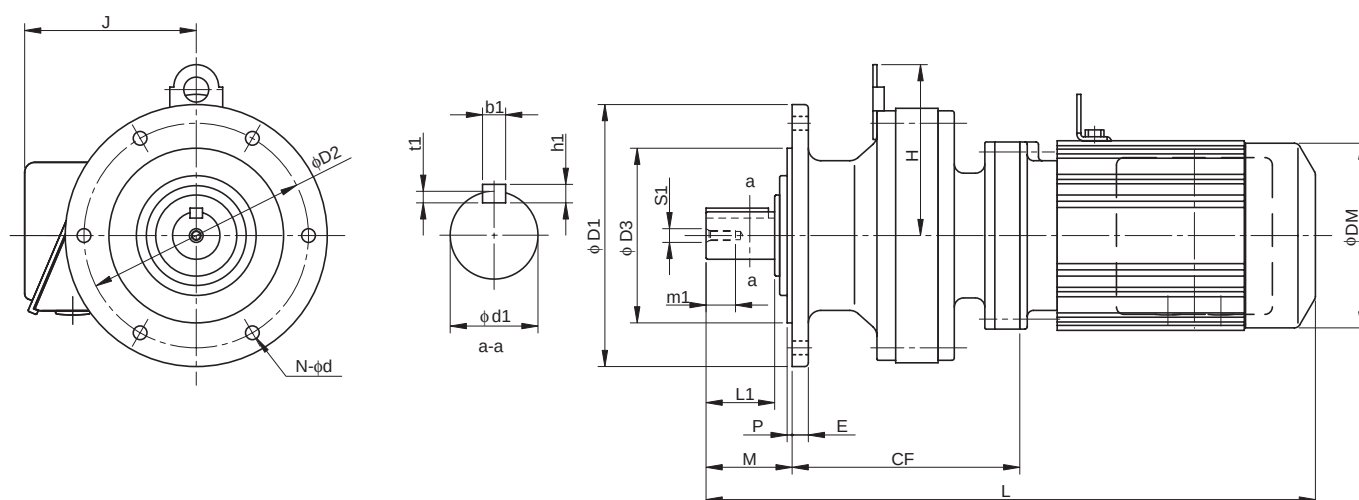
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

GEARMOTORS

Dimension Tables
CVVM

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

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

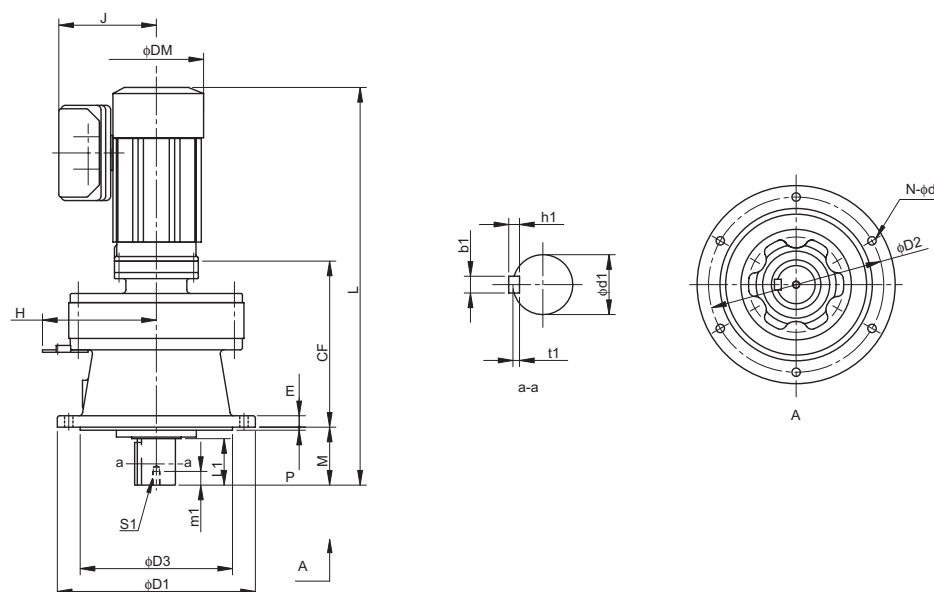
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

6. "B" after the frame size indicates models equipped with brake.

7. Dimension of shaft end: Refer to pages F-28 to F-29 for details.

8. Dimensions in above drawings are subject to change without notice.

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.

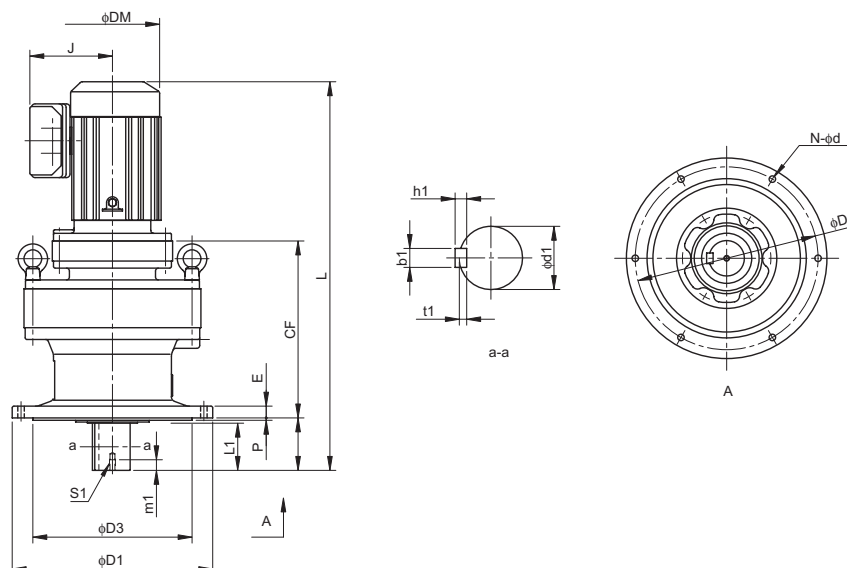
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter ($\phi D3$): 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.

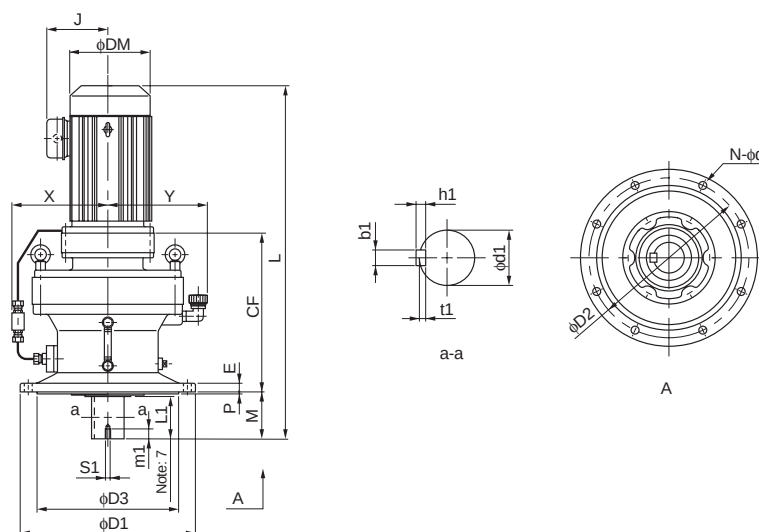
6. "B" after the frame size indicates models equipped with brake.

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



GEARMOTORS

Dimension Tables
CVVM

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

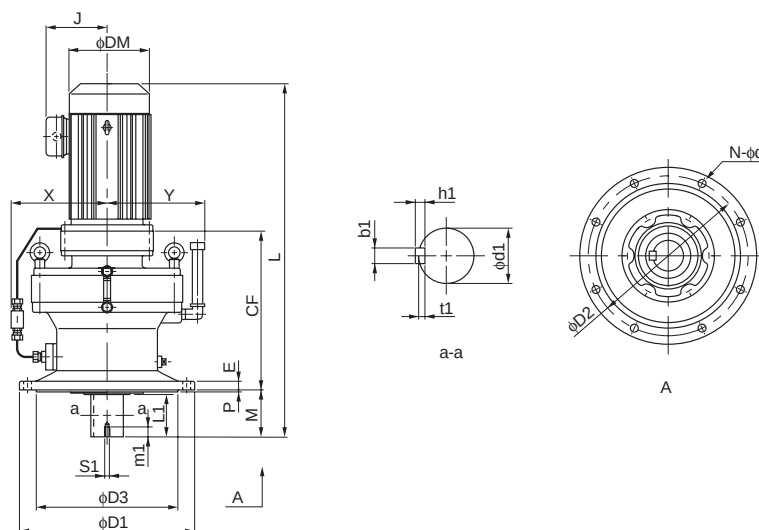
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

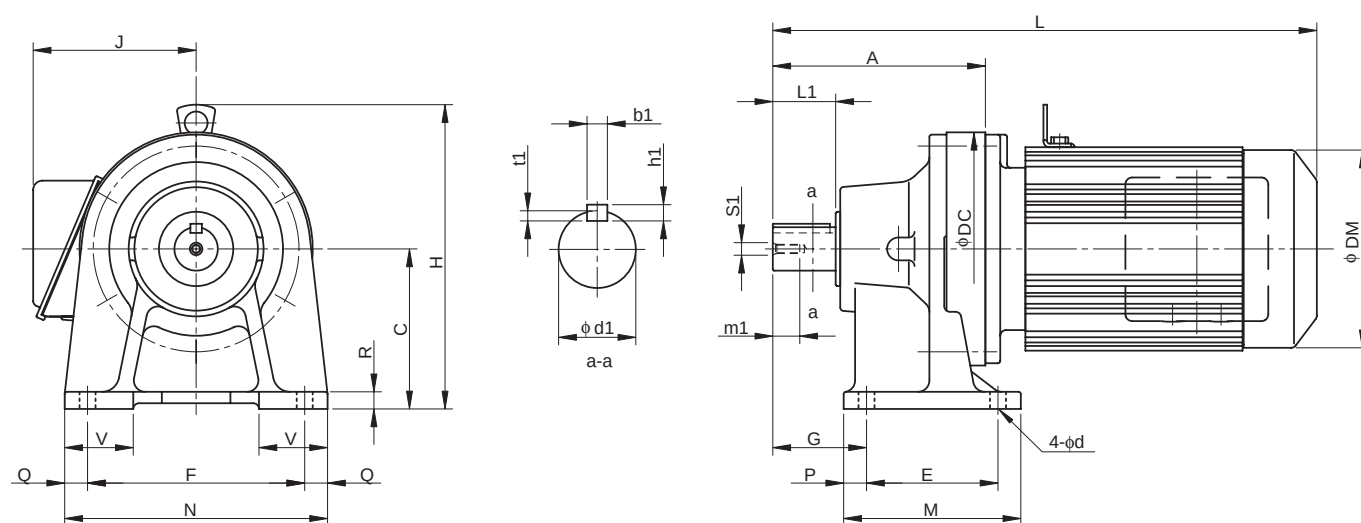
Note: 1. $\square$ indicates motor capacity.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "f8."

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

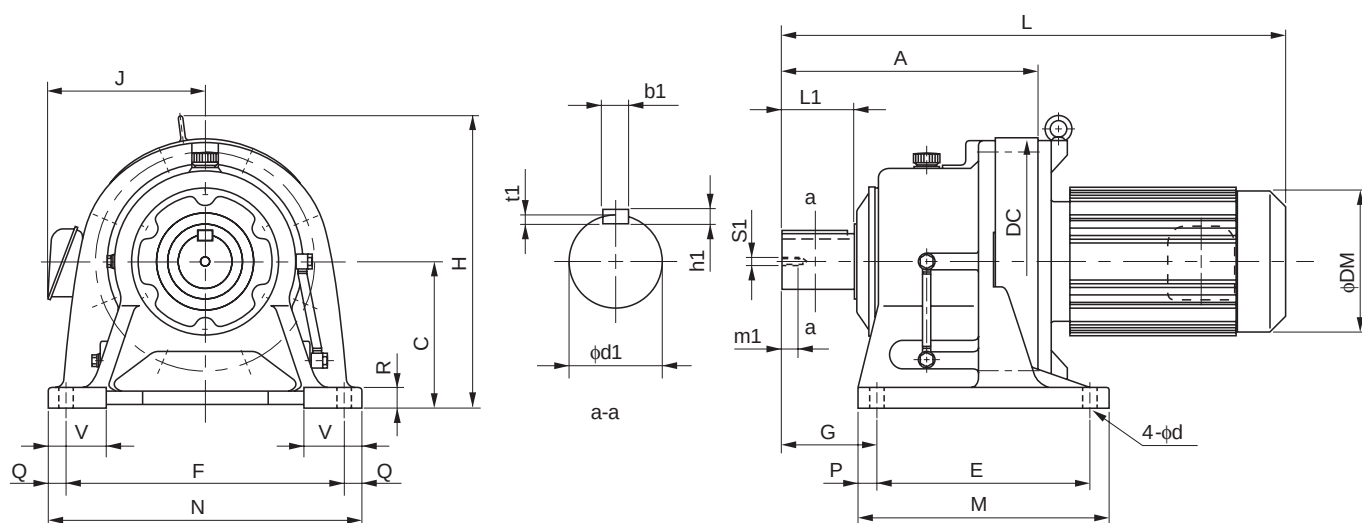
Model	Note 4	Motor		Standard					With Brake				
		kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CNHM02 - 610H	- (B) - Ratio	0.2	4	336	207	130	124	19	364	207	130	124	21
CNHM03 - 610H	- (B) - Ratio	0.25	4	336	207	130	124	19	364	207	130	124	21
CNHM05 - 610H	- (B) - Ratio	0.4	4	352	207	130	124	20	384	207	130	124	22
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. $\square$ 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)

GEARMOTORS

Dimension Tables
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.