

CYCLO DRIVE WARRANTY 2 YEARS

Sumitomo Drive Technologies
» Building Tomorrow Together

CYCLO DRIVE GEAR MOTOR

CNHM CHHM CNVM CVVM



Sumitomo
Drive Technologies
CYCLO 6000










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LET'S SUMITOMO GEAR MOTOR

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Nomenclature

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

Mounting style	
Foot	H
V flange	V
Flange	F

Type of Input	
Gearmotor	M
With adaptor	JM

Special Specifications	
Standard specification	blank
Special specification	S

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

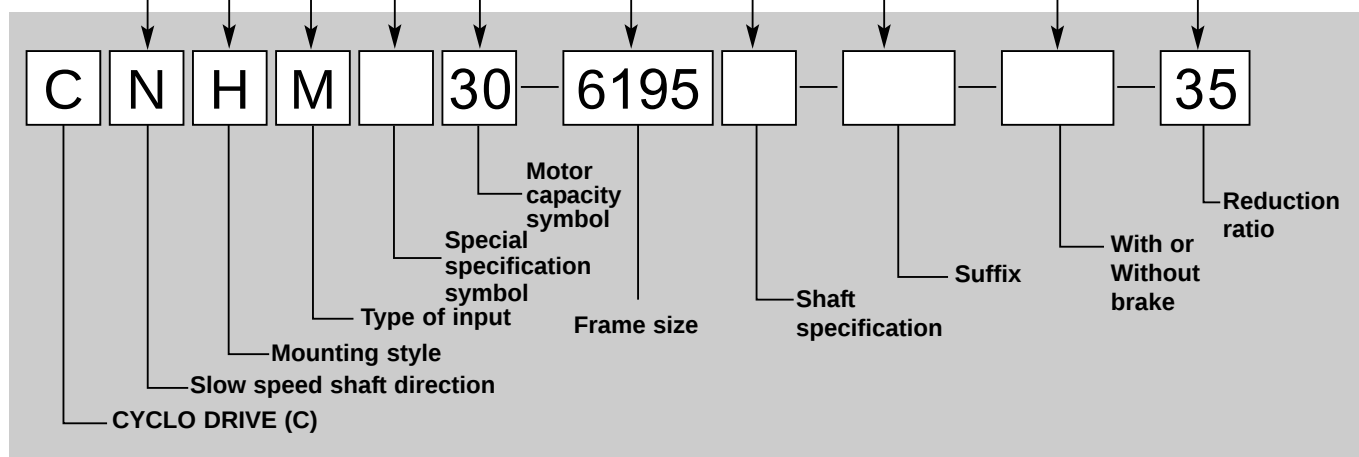
Shaft specification	
Metric JIS (Standard)	-
Inch size	Y
Metric DIN	G

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

With or Without Brake	
Without brake	-
With brake	B

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

Nominal ratio

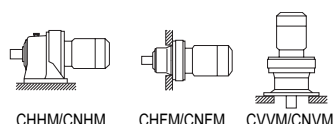


CHHM = FOOT MOUNTING STYLE
CVVM = FLANGE MOUNTING STYLE

Selection Tables
18.5 kW, 22 kW

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.

Selection Tables Gearmotors



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

n₁: Motor Speed

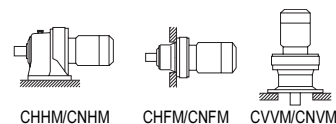
50Hz					60Hz					Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM		
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM		
132	1510	154	12600	1280	1.10	159	1250	128	11900	1220	1.10	30 -	6165	- 11	B-103	B-119	B-138
			14500	1470	1.25				13700	1390	1.25	30 -	6170	- 11	B-103	B-119	B-138
			14500	1470	1.37				13700	1390	1.37	30 -	6175	- 11	B-103	B-119	B-138
			19500	1980	1.60				18300	1870	1.60	30 -	6180	- 11	B-104	B-120	B-139
			19500	1980	1.77				18300	1870	1.77	30 -	6185	- 11	B-104	B-120	B-139
			27300	2780	1.86				25700	2620	1.86	30 -	6190	- 11	B-104	B-120	B-139
			27300	2780	2.19				25700	2620	2.19	30 -	6195	- 11	B-104	B-120	B-139
			52300	5330	2.71				49500	5040	2.71	30 -	6205	- 11	B-105	B-121	B-140
112	1790	182	13100	1330	1.03	135	1480	151	12400	1270	1.03	30 -	6165	- 13	B-103	B-119	B-138
			15000	1530	1.24				14200	1450	1.24	30 -	6170	- 13	B-103	B-119	B-138
			15000	1530	1.37				14200	1450	1.37	30 -	6175	- 13	B-103	B-119	B-138
			20200	2060	1.60				19100	1940	1.60	30 -	6180	- 13	B-104	B-120	B-139
			20200	2060	1.77				19100	1940	1.77	30 -	6185	- 13	B-104	B-120	B-139
			28400	2890	1.86				26700	2730	1.86	30 -	6190	- 13	B-104	B-120	B-139
			28400	2890	2.19				26700	2730	2.19	30 -	6195	- 13	B-104	B-120	B-139
			96.7	2060	210				13800	1400	1.02	117	1710	174	13100	1340	1.03
15600	1590	1.16				14800	1510	1.16	30 -	6170	- 15				B-103	B-119	B-138
15600	1590	1.37				14800	1510	1.37	30 -	6175	- 15				B-104	B-120	B-139
21300	2170	1.47				20100	2050	1.47	30 -	6180	- 15				B-104	B-120	B-139
21300	2170	1.77				20100	2050	1.77	30 -	6185	- 15				B-104	B-120	B-139
29800	3040	1.86				28100	2860	1.86	30 -	6190	- 15				B-104	B-120	B-139
29800	3040	2.19				28100	2860	2.19	30 -	6195	- 15				B-104	B-120	B-139
56200	5730	2.71				53200	5420	2.71	30 -	6205	- 15				B-105	B-121	B-140
85.3	2340	239	14100	1440	0.86	103	1940	198	13400	1370	0.86	30 -	6165	- 17	B-103	B-119	B-138
			16200	1650	1.10				15400	1570	1.10	30 -	6175	- 17	B-103	B-119	B-138
			22400	2280	1.39				21200	2160	1.39	30 -	6180	- 17	B-104	B-120	B-139
			22400	2280	1.74				21200	2160	1.77	30 -	6185	- 17	B-104	B-120	B-139
			31400	3200	1.86				29600	3010	1.86	30 -	6190	- 17	B-104	B-120	B-139
			31400	3200	2.19				29600	3010	2.19	30 -	6195	- 17	B-104	B-120	B-139
69.0	2890	295	17500	1780	1.07	83.3	2400	244	16600	1690	1.10	30 -	6175	- 21	B-103	B-119	B-138
			24000	2450	1.36				22700	2310	1.36	30 -	6180	- 21	B-104	B-120	B-139
			24000	2450	1.73				22700	2310	1.77	30 -	6185	- 21	B-104	B-120	B-139
			33700	3440	1.86				31800	3240	1.86	30 -	6190	- 21	B-104	B-120	B-139
			33700	3440	2.19				31800	3240	2.19	30 -	6195	- 21	B-104	B-120	B-139
			62900	6410	2.69				59500	6070	2.69	30 -	6205	- 21	B-105	B-121	B-140
58.0	3440	351	17900	1830	0.89	70.0	2850	291	17000	1740	0.89	30 -	6175	- 25	B-103	B-119	B-138
			24900	2530	1.10				23500	2400	1.10	30 -	6180	- 25	B-104	B-120	B-139
			24900	2530	1.37				23500	2400	1.37	30 -	6185	- 25	B-104	B-120	B-139
			35300	3590	1.60				33200	3390	1.60	30 -	6190	- 25	B-104	B-120	B-139
			35300	3590	1.84				33200	3390	1.84	30 -	6195	- 25	B-104	B-120	B-139
50.0	3990	407	25900	2640	1.10	60.3	3310	337	24500	2500	1.10	30 -	6185	- 29	B-104	B-120	B-139
			37000	3770	1.40				34900	3560	1.40	30 -	6190	- 29	B-104	B-120	B-139
			37000	3770	1.72				34900	3560	1.72	30 -	6195	- 29	B-104	B-120	B-139
			68500	6990	2.08				64900	6610	2.08	30 -	6205	- 29	B-105	B-121	B-140
			70000	7130	2.66				66200	6750	2.66	30 -	6215	- 29	B-105	B-121	B-140
41.4	4820	491	27500	2810	1.03	50.0	3990	407	26000	2650	1.03	30 -	6185	- 35	B-104	B-120	B-139
			39000	3970	1.10				36700	3750	1.10	30 -	6190	- 35	B-104	B-120	B-139
			39000	3970	1.37				36700	3750	1.37	30 -	6195	- 35	B-104	B-120	B-139
33.7	5920	603	29100	2970	0.85	40.7	4900	500	27600	2820	0.85	30 -	6185	- 43	B-104	B-120	B-139
			41800	4260	0.95				39400	4020	0.95	30 -	6190	- 43	B-104	B-120	B-139
			41800	4260	1.23				39400	4020	1.37	30 -	6195	- 43	B-104	B-120	B-139
			77100	7860	1.45				73000	7440	1.45	30 -	6205	- 43	B-105	B-121	B-140
			78700	8020	2.05				74600	7600	2.05	30 -	6215	- 43	B-105	B-121	B-140
			83400	8510	2.57				79000	8050	2.57	30 -	6225	- 43	B-106	B-122	B-141
28.4	7020	716	43400	4420	0.95	34.3	5820	593	41000	4180	0.95	30 -	6195	- 51	B-104	B-120	B-139

- "*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

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

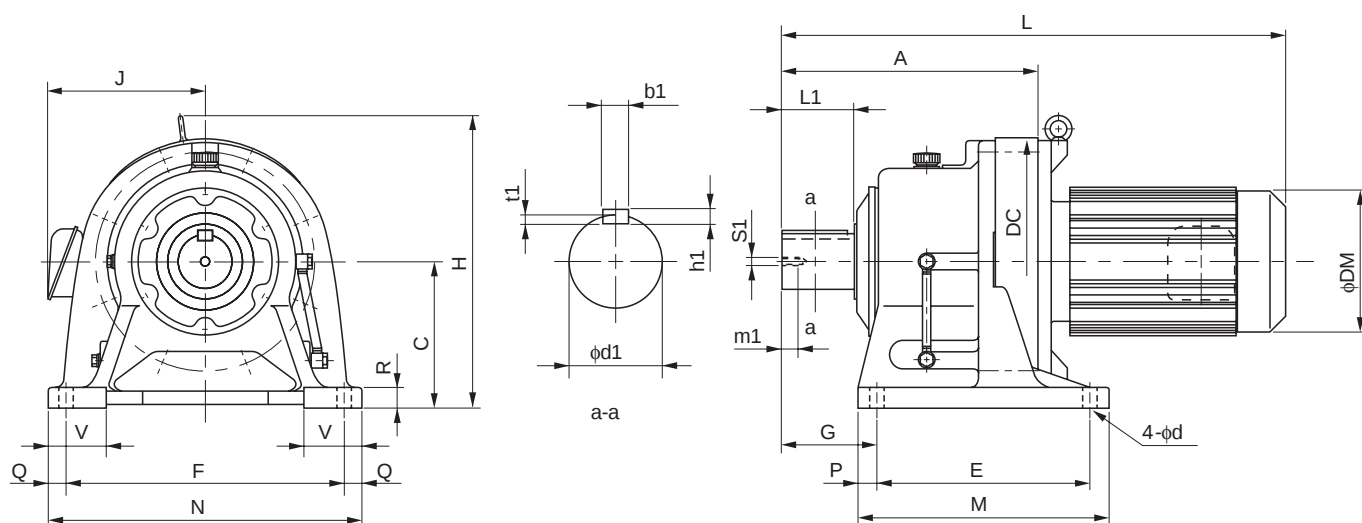
50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
24.6	8120	828	45300	4620	0.85	29.7	6730	686	42800	4360	0.85	30 -	6195	- 59	B-104	B-120	B-139
			83600	8520	1.03				79200	8070	1.03	30 -	6205	- 59	B-105	B-121	B-140
			85300	8690	1.54				80800	8240	1.71	30 -	6215	- 59	B-105	B-121	B-140
			90500	9220	1.79				85700	8740	2.05	30 -	6225	- 59	B-106	B-122	B-141
22.8	8760	893	84100	8570	1.06	27.1	7370	751	82100	8370	1.26	306 -	6205	- 43	B-105	B-121	B-140
			88000	8970	1.45				83800	8540	1.72	306 -	6215	- 43	B-105	B-121	B-140
			93400	9520	1.83				88900	9060	2.17	306 -	6225	- 43	B-106	B-122	B-141
			101000	10300	1.21				95700	9760	1.21	30 -	6225	- 87	B-106	B-122	B-141
16.7	12000	1220	95200	9710	1.05	19.7	10100	1030	90700	9250	1.25	306 -	6215	- 59	B-105	B-121	B-140
			101000	10300	1.32				96300	9810	1.51	306 -	6225	- 59	B-106	B-122	B-141
			141000	14400	2.15				134000	13700	2.55	306 -	6245	- 59	B-107	B-123	B-142
			114000	11600	*1				101000	10300	*1	30 -	6215DB	- 121	B-113	B-130	B-149
12.0	15800	1610	112000	11400	0.85	14.5	13100	1330	106000	10900	1.03	30 -	6225DB	- 121	B-113	B-130	B-149
			141000	14400	1.15				134000	13700	1.15	30 -	6235DA	- 121	B-114	B-131	B-150
			141000	14400	1.19				134000	13700	1.43	30 -	6235DB	- 121	B-114	B-131	B-150
			157000	16000	1.30				149000	15200	1.57	30 -	6245DB	- 121	B-114	B-131	B-150
			193000	19700	1.45				183000	18700	1.45	30 -	6255DA	- 121	B-115	B-132	B-151
			193000	19700	1.74				183000	18700	2.10	30 -	6255DB	- 121	B-115	B-132	B-151
			237000	24100	1.99				224000	22800	2.31	30 -	6265DA	- 121	B-115	B-132	B-151
			158000	16100	1.28				150000	15300	1.46	306 -	6245	- 87	B-107	B-123	B-142
11.3	17700	1810	195000	19800	1.75	13.4	14900	1520	185000	18900	1.95	306 -	6255	- 87	B-107	B-123	B-142
			237000	24200	2.43				226000	23000	2.43	306 -	6265	- 87	B-107	B-123	B-142
			151000	15400	0.91				143000	14600	1.10	30 -	6235DA	- 165	B-114	B-131	B-150
			169000	17200	1.15				160000	16300	1.15	30 -	6245DA	- 165	B-114	B-131	B-150
8.79	21500	2190	169000	17200	1.22	10.6	17800	1820	160000	16300	1.47	30 -	6245DB	- 165	B-114	B-131	B-150
			207000	21100	1.45				196000	20000	1.45	30 -	6255DA	- 165	B-115	B-132	B-151
			207000	21100	1.45				196000	20000	1.75	30 -	6255DB	- 165	B-115	B-132	B-151
			253000	25800	2.03				240000	24400	2.31	30 -	6265DA	- 165	B-115	B-132	B-151
			196000	199000	1.03				150000	15300	1.03	30 -	6235DA	- 195	B-114	B-131	B-150
7.44	25400	2590	177000	18000	1.03	8.97	21100	2150	168000	17100	1.08	30 -	6245DA	- 195	B-114	B-131	B-150
			177000	18000	1.03				168000	17100	1.25	30 -	6245DB	- 195	B-114	B-131	B-150
			218000	22200	1.23				206000	21000	1.45	30 -	6255DA	- 195	B-115	B-132	B-151
			218000	22200	1.23				206000	21000	1.48	30 -	6255DB	- 195	B-115	B-132	B-151
			266000	27100	1.72				252000	25700	2.08	30 -	6265DA	- 195	B-115	B-132	B-151
6.28	30100	3070	188000	19200	0.86	7.58	25000	2540	179000	18200	1.03	30 -	6245DA	- 231	B-114	B-131	B-150
			231000	23500	1.03				219000	22300	1.24	30 -	6255DA	- 231	B-115	B-132	B-151
			276000	28100	1.53				268000	27300	1.84	30 -	6265DA	- 231	B-115	B-132	B-151
5.31	35600	3630	199000	20300	*1	6.41	29500	3010	188000	19200	*1	30 -	6245DA	- 273	B-114	B-131	B-150
			242000	24700	0.87				229000	23400	1.05	30 -	6255DA	- 273	B-115	B-132	B-151
			276000	28100	1.29				276000	28100	1.56	30 -	6265DA	- 273	B-115	B-132	B-151
4.55	41600	4240	32500	3310	*1	5.49	34500	3510	241000	24600	*1	30 -	6255DA	- 319	B-115	B-132	B-151
			276000	28100	1.11				276000	28100	1.33	30 -	6265DA	- 319	B-115	B-132	B-151
			248000	25300	1.64				248000	25300	1.98	30 -	6275DA	- 319	B-115	-	B-151
3.85	49200	5010	276000	28100	0.94	4.64	40700	4150	276000	28100	1.13	30 -	6265DA	- 377	B-115	B-132	B-151
			248000	25300	1.39				248000	25300	1.67	30 -	6275DA	- 377	B-115	-	B-151
3.07	61700	6290	46000	4690	*1	3.70	51100	5210	276000	28100	*1	30 -	6265DA	- 473	B-115	B-132	B-151
			276000	28100	1.11				248000	25300	1.33	30 -	6275DA	- 473	B-115	-	B-151
2.59	72900	7430	68200	6950	*1	3.13	60400	6160	248000	25300	1.13	30 -	6275DA	- 559	B-115	-	B-151
			248000	25300	0.94				248000	25300	*1	30 -	6275DA	- 649	B-115	-	B-151
2.23	84600	8630	68200	6950	*1	2.70	70100	7150	248000	25300	0.97	30 -	6275DA	- 649	B-115	-	B-151
			248000	25300	0.81				248000	25300	*1	30 -	6275DA	- 731	B-115	-	B-151
1.98	68200	6950	68200	6950	*1	2.39	68200	6950	248000	25300	*1	30 -	6275DA	- 731	B-115	-	B-151



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

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.

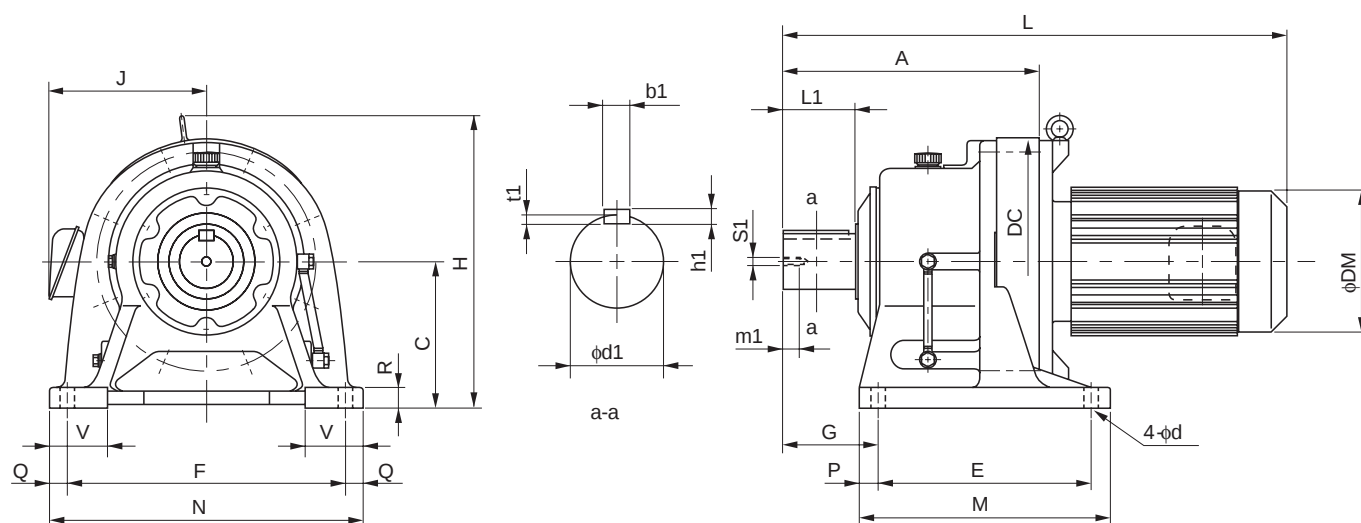
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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 (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 618□ to 619□

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
618□	389	220	370	320	420	145	380	470	30	25	30	85	22	80	110	22	14	9	M12	24
619□	465	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)
CHHM4 - 618□ - (B) - Ratio	3.0	4	717	438	168	212	184	789	438	168	212	194
CHHM5 - 618□ - (B) - Ratio	3.7	4	717	438	168	212	184	789	438	168	212	194
CHHM8 - 618□ - (B) - Ratio	5.5	4	761	438	168	212	192	833	438	168	212	202
CHHM10 - 618□ - (B) - Ratio	7.5	4	779	438	213	251	207	874	438	213	251	225
CHHM15 - 618□ - (B) - Ratio	11	4	839	438	213	251	221	934	438	213	251	239
CHHM20 - 618□ - (B) - Ratio	15	4	919	438	261	324	281	1024	438	261	324	310
CHHM25 - 618□ - (B) - Ratio	18.5	4	1014	448	328	394	347	1179	448	328	394	398
CHHM30 - 618□ - (B) - Ratio	22	4	1014	448	328	394	347	1179	448	328	394	398
CHHM40 - 618□ - (B) - Ratio	30	4	1014	448	328	394	364	1179	448	328	394	407
CHHM50 - 618□ - (B) - Ratio	37	4	1129	481	328	394	412	1344	481	328	394	509
CHHM60 - 618□ - (B) - Ratio	45	4	1129	481	328	394	412	1344	481	328	394	509
CHHM8 - 619□ - (B) - Ratio	5.5	4	857	511	168	212	266	929	511	168	212	276
CHHM10 - 619□ - (B) - Ratio	7.5	4	870	511	213	251	279	965	511	213	251	297
CHHM15 - 619□ - (B) - Ratio	11	4	930	511	213	251	293	1025	511	213	251	311
CHHM20 - 619□ - (B) - Ratio	15	4	995	467	261	324	346	1100	467	261	324	381
CHHM25 - 619□ - (B) - Ratio	18.5	4	1090	511	328	394	422	1255	511	328	394	467
CHHM256 - 619□ - (B) - Ratio	18.5	6	1090	511	328	394	437	1255	511	328	394	480
CHHM30 - 619□ - (B) - Ratio	22	4	1090	511	328	394	422	1255	511	328	394	467
CHHM40 - 619□ - (B) - Ratio	30	4	1090	511	328	394	437	1255	511	328	394	480
CHHM406 - 619□ - (B) - Ratio	30	6	1205	511	328	394	475	1420	511	328	394	572
CHHM50 - 619□ - (B) - Ratio	37	4	1205	511	328	394	475	1420	511	328	394	572
CHHM506 - 619□ - (B) - Ratio	37	6	1205	511	328	394	475	1420	511	328	394	572
CHHM60 - 619□ - (B) - Ratio	45	4	1205	511	328	394	475	1420	511	328	394	572

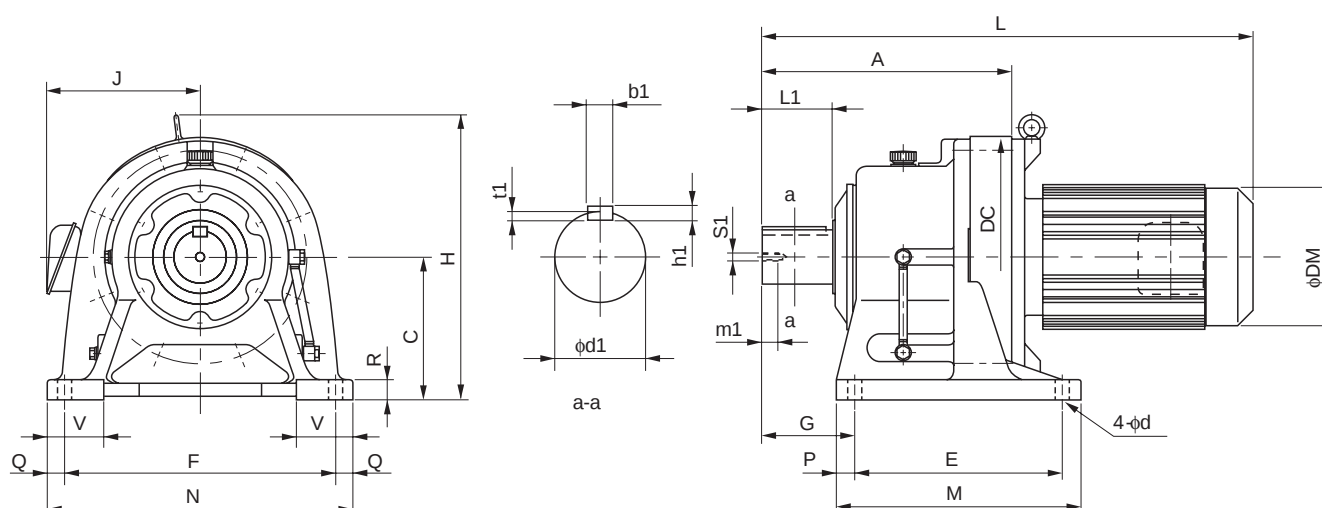
Note: 1. □ indicates motor capacity.

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} - 6205 to 6215



GEARMOTORS

Dimension Tables
CHHM

Frame size	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
6205	502	250	448	360	440	215	440	530	40	45	35	100	26	100	165	28	16	10	M20	34
6215	526	265	485	395	480	210	475	580	40	50	40	110	26	110	165	28	16	10	M20	34

Model Note 5	Motor		Standard							With Brake				
	kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)	L	H
CHHM15 - 6205	- (B) - Ratio	11	4	972	530	213	251	313	1067	530	213	251	332	414
CHHM20 - 6205	- (B) - Ratio	15	4	1042	530	261	324	367	1147	530	261	324	404	486
CHHM206 - 6205	- (B) - Ratio	15	6	1127	530	328	394	438	1292	530	328	394	484	565
CHHM25 - 6205	- (B) - Ratio	18.5	4	1127	530	328	394	438	1292	530	328	394	488	565
CHHM30 - 6205	- (B) - Ratio	22	4	1127	530	328	394	438	1292	530	328	394	488	578
CHHM306 - 6205	- (B) - Ratio	22	6	1127	530	328	394	451	1292	530	328	394	501	578
CHHM40 - 6205	- (B) - Ratio	30	4	1127	530	328	394	451	1292	530	328	394	501	666
CHHM406 - 6205	- (B) - Ratio	30	6	1242	530	328	394	489	1457	530	328	394	588	666
CHHM50 - 6205	- (B) - Ratio	37	4	1242	530	328	394	489	1457	530	328	394	588	666
CHHM506 - 6205	- (B) - Ratio	37	6	1242	530	328	394	489	1457	530	328	394	588	666
CHHM60 - 6205	- (B) - Ratio	45	4	1242	530	328	394	489	1457	530	328	394	588	666
CHHM606 - 6205	- (B) - Ratio	45	6	1297	575	378	484	582	-	-	-	-	-	-
CHHM75 - 6205	- (B) - Ratio	55	4	1297	575	378	484	582	-	-	-	-	-	-
CHHM15 - 6215	- (B) - Ratio	11	4	996	575	213	251	395	1091	575	213	251	414	486
CHHM20 - 6215	- (B) - Ratio	15	4	1066	575	261	324	450	1171	575	261	324	486	565
CHHM206 - 6215	- (B) - Ratio	15	6	1151	575	328	394	515	1316	575	328	394	565	565
CHHM25 - 6215	- (B) - Ratio	18.5	4	1151	575	328	394	515	1316	575	328	394	565	565
CHHM256 - 6215	- (B) - Ratio	18.5	6	1151	575	328	394	528	1316	575	328	394	578	578
CHHM30 - 6215	- (B) - Ratio	22	4	1151	575	328	394	515	1316	575	328	394	565	578
CHHM306 - 6215	- (B) - Ratio	22	6	1151	575	328	394	528	1316	575	328	394	578	578
CHHM40 - 6215	- (B) - Ratio	30	4	1151	575	328	394	528	1316	575	328	394	578	666
CHHM406 - 6215	- (B) - Ratio	30	6	1266	575	328	394	566	1481	575	328	394	666	666
CHHM50 - 6215	- (B) - Ratio	37	4	1266	575	328	394	566	1481	575	328	394	666	666
CHHM506 - 6215	- (B) - Ratio	37	6	1266	575	328	394	566	1481	575	328	394	666	666
CHHM60 - 6215	- (B) - Ratio	45	4	1266	575	328	394	566	1481	575	328	394	666	666
CHHM606 - 6215	- (B) - Ratio	45	6	1321	575	378	484	676	-	-	-	-	-	-
CHHM75 - 6215	- (B) - Ratio	55	4	1321	575	378	484	676	-	-	-	-	-	-

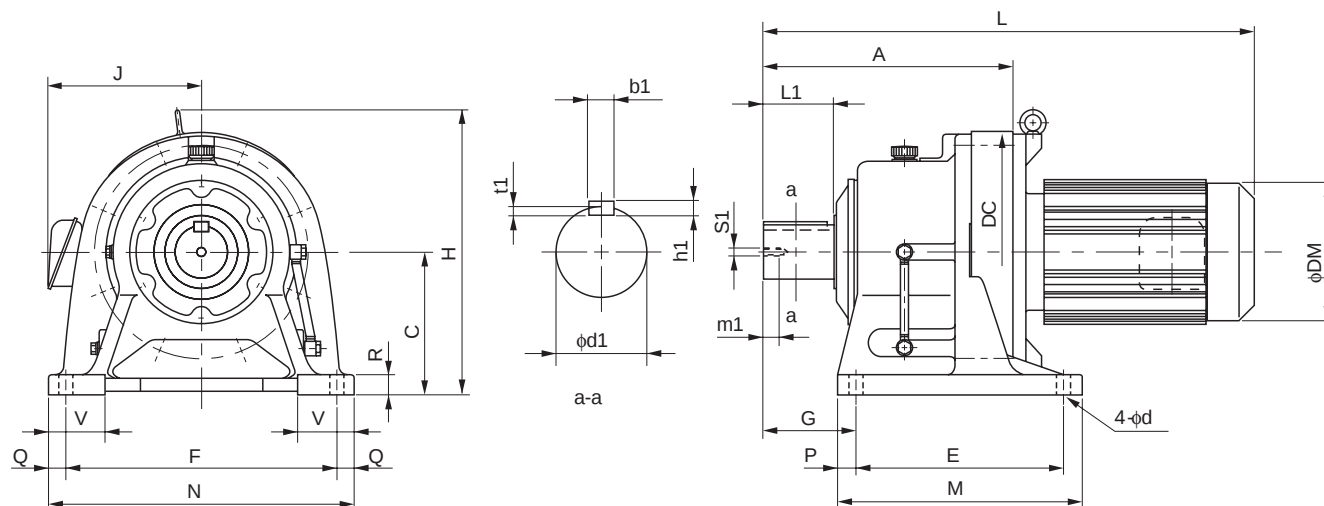
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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} - 6225 to 6235

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
6225	566	280	526	420	540	230	520	620	50	40	40	115	33	120	165	32	18	11	M20	34
6235	628	300	562	460	580	260	560	670	50	45	45	120	33	130	200	32	18	11	M24	41

Model	Note 4	Motor		Standard					With Brake				
		kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CHHM206 - 6225	- (B) - Ratio	15	6	1191	610	328	394	600	1356	610	328	394	650
CHHM25 - 6225	- (B) - Ratio	18.5	4	1191	610	328	394	600	1356	610	328	394	650
CHHM256 - 6225	- (B) - Ratio	18.5	6	1191	610	328	394	613	1356	610	328	394	663
CHHM30 - 6225	- (B) - Ratio	22	4	1191	610	328	394	600	1356	610	328	394	650
CHHM306 - 6225	- (B) - Ratio	22	6	1191	610	328	394	613	1356	610	328	394	663
CHHM40 - 6225	- (B) - Ratio	30	4	1191	610	328	394	613	1356	610	328	394	663
CHHM406 - 6225	- (B) - Ratio	30	6	1306	610	328	394	651	1521	610	328	394	751
CHHM50 - 6225	- (B) - Ratio	37	4	1306	610	328	394	651	1521	610	328	394	751
CHHM506 - 6225	- (B) - Ratio	37	6	1306	610	328	394	651	1521	610	328	394	751
CHHM60 - 6225	- (B) - Ratio	45	4	1306	610	328	394	651	1521	610	328	394	751
CHHM606 - 6225	- (B) - Ratio	45	6	1361	610	378	484	750	-	-	-	-	-
CHHM75 - 6225	- (B) - Ratio	55	4	1361	610	378	484	750	-	-	-	-	-
CHHM206 - 6235	- (B) - Ratio	15	6	1253	667	328	394	698	1448	667	328	394	734
CHHM256 - 6235	- (B) - Ratio	18.5	6	1253	667	328	394	698	1448	667	328	394	748
CHHM306 - 6235	- (B) - Ratio	22	6	1253	667	328	394	698	1448	667	328	394	748
CHHM406 - 6235	- (B) - Ratio	30	6	1368	667	328	394	744	1583	667	328	394	837
CHHM506 - 6235	- (B) - Ratio	37	6	1368	667	328	394	744	1583	667	328	394	837
CHHM606 - 6235	- (B) - Ratio	45	6	1423	667	378	484	833	-	-	-	-	-
CHHM756 - 6235	- (B) - Ratio	55	6	1503	667	378	485	887	-	-	-	-	-

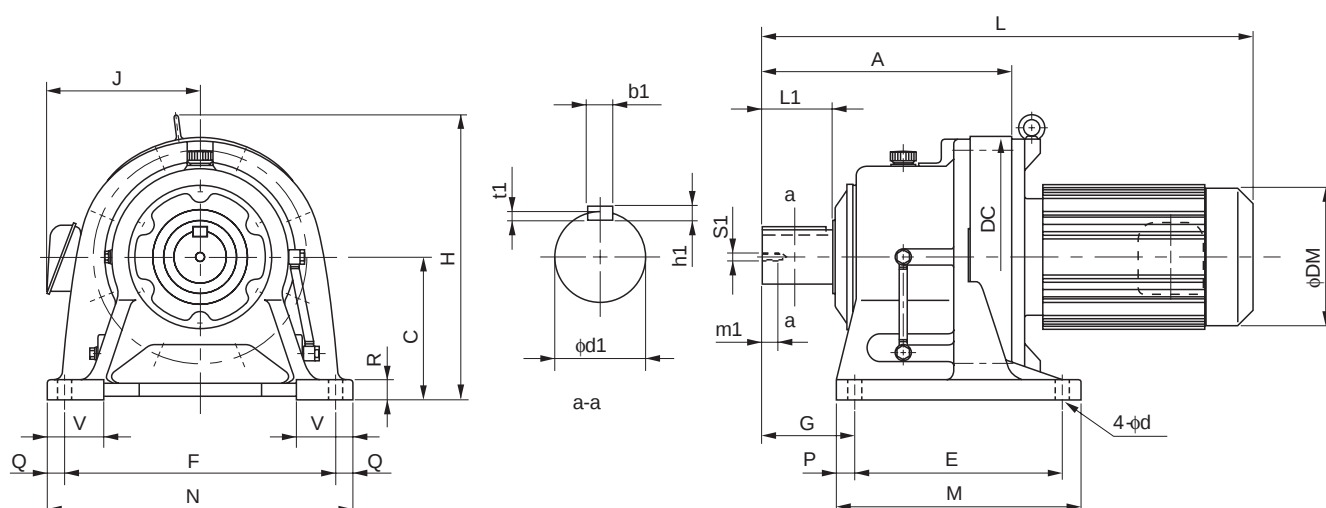
Note: 1. □ indicates motor capacity.

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} - 6245 to 6265



GEARMOTORS

Dimension Tables
CHHM

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
6245	657	335	614	480	630	263	580	720	50	45	45	128	39	140	200	36	20	12	M24	41
6255	775	375	670	520	670	320	630	780	55	55	50	140	39	160	240	40	22	13	M30	49
6265	892	400	736	590	770	390	700	880	55	55	55	160	45	170	300	40	22	13	M30	49

Model ^{Note 4}	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CHHM206 - 6245 - (B) - Ratio	15	6	1282	729	328	394	824		1447	729	328	394	857	
CHHM256 - 6245 - (B) - Ratio	18.5	6	1282	729	328	394	824		1447	729	328	394	871	
CHHM306 - 6245 - (B) - Ratio	22	6	1282	729	328	394	824		1447	729	328	394	871	
CHHM406 - 6245 - (B) - Ratio	30	6	1397	729	328	394	870		1612	729	328	394	958	
CHHM506 - 6245 - (B) - Ratio	37	6	1397	729	328	394	870		1612	729	328	394	958	
CHHM606 - 6245 - (B) - Ratio	45	6	1452	729	378	484	961		-	-	-	-	-	
CHHM756 - 6245 - (B) - Ratio	55	6	1532	729	378	485	1010		-	-	-	-	-	
CHHM206 - 6255 - (B) - Ratio	15	6	1400	815	328	394	1155		1565	815	328	394	1188	
CHHM256 - 6255 - (B) - Ratio	18.5	6	1400	815	328	394	1155		1610	815	328	394	1202	
CHHM306 - 6255 - (B) - Ratio	22	6	1400	815	328	394	1155		1610	815	328	394	1202	
CHHM406 - 6255 - (B) - Ratio	30	6	1515	815	328	394	1200		1730	815	328	394	1288	
CHHM506 - 6255 - (B) - Ratio	37	6	1515	815	328	394	1200		1730	815	328	394	1288	
CHHM606 - 6255 - (B) - Ratio	45	6	1570	815	378	484	1280		-	-	-	-	-	
CHHM756 - 6255 - (B) - Ratio	55	6	1650	815	378	485	1335		-	-	-	-	-	
CHHM306 - 6265 - (B) - Ratio	22	6	1517	874	328	394	1400		1727	874	328	394	1447	
CHHM406 - 6265 - (B) - Ratio	30	6	1632	874	328	394	1445		1847	874	328	394	1533	
CHHM506 - 6265 - (B) - Ratio	37	6	1632	874	328	394	1445		1847	874	328	394	1533	
CHHM606 - 6265 - (B) - Ratio	45	6	1687	874	378	484	1540		-	-	-	-	-	

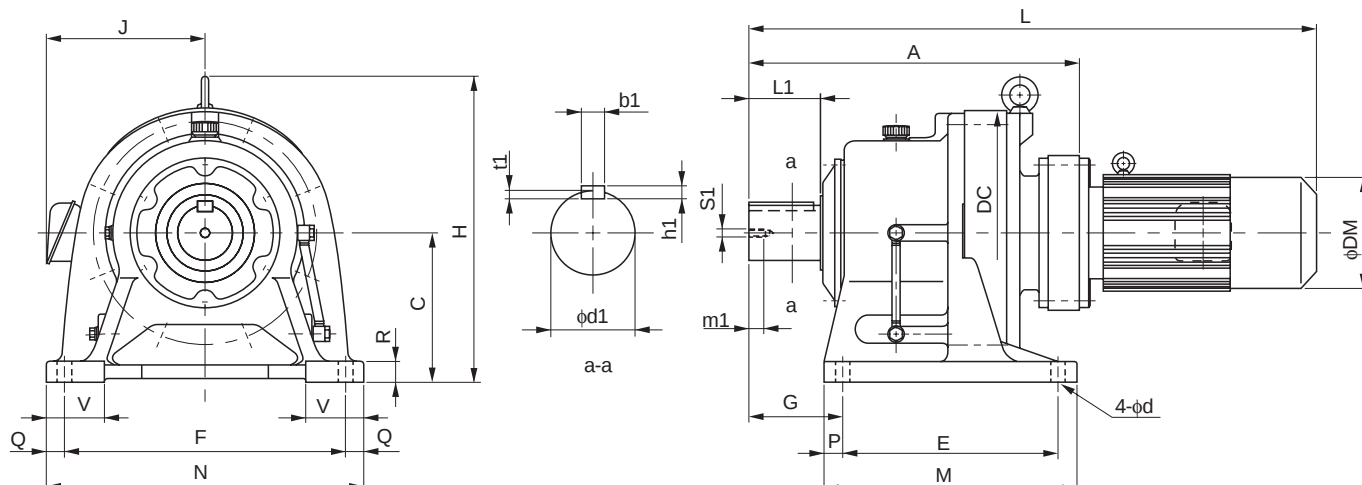
Note: 4. "B" after the frame size indicates models equipped with brake.

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.

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM - 6215DB to 6225DB



GEARMOTORS

Dimension Tables
CHHM

Frame size	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
6215DB	675	265	485	395	480	210	475	580	40	50	40	110	26	110	165	28	16	10	M20	34
6225DA	692	280	526	420	540	230	520	620	50	40	40	115	33	120	165	32	18	11	M20	34
6225DB	735	280	526	420	540	230	520	620	50	40	40	115	33	120	165	32	18	11	M20	34

Model Note 5	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM5 - 6215DB - (B) - Ratio	3.7	4	993	575	168	212	399		1065	575	168	212	409
CHHM8 - 6215DB - (B) - Ratio	5.5	4	1037	575	168	212	406		1109	575	168	212	416
CHHM10 - 6215DB - (B) - Ratio	7.5	4	1060	575	213	251	422		1155	575	213	251	439
CHHM15 - 6215DB - (B) - Ratio	11	4	1120	575	213	251	436		1215	575	213	251	453
CHHM20 - 6215DB - (B) - Ratio	15	4	1205	575	261	324	489		1310	575	261	324	523
CHHM25 - 6215DB - (B) - Ratio	18.5	4	1300	575	328	394	564		1465	575	328	394	615
CHHM30 - 6215DB - (B) - Ratio	22	4	1300	575	328	394	564		1465	575	328	394	615
CHHM2 - 6225DA - (B) - Ratio	1.5	4	962	610	145	160	441		1024	610	145	160	446
CHHM3 - 6225DA - (B) - Ratio	2.2	4	982	610	152	173	444		1045	610	152	173	451
CHHM4 - 6225DA - (B) - Ratio	3.0	4	1005	610	168	212	454		1077	610	168	212	464
CHHM5 - 6225DA - (B) - Ratio	3.7	4	1005	610	168	212	454		1077	610	168	212	464
CHHM8 - 6225DA - (B) - Ratio	5.5	4	1049	610	168	212	461		1121	610	168	212	471
CHHM10 - 6225DA - (B) - Ratio	7.5	4	1072	610	213	251	476		1167	610	213	251	494
CHHM15 - 6225DA - (B) - Ratio	11	4	1132	610	213	251	490		1227	610	213	251	508
CHHM20 - 6225DA - (B) - Ratio	15	4	1222	610	261	324	542		1327	610	261	324	576
CHHM5 - 6225DB - (B) - Ratio	3.7	4	1058	610	168	212	499		1130	610	168	212	510
CHHM8 - 6225DB - (B) - Ratio	5.5	4	1102	610	168	212	506		1174	610	168	212	517
CHHM10 - 6225DB - (B) - Ratio	7.5	4	1125	610	213	251	521		1220	610	213	251	539
CHHM15 - 6225DB - (B) - Ratio	11	4	1185	610	213	251	535		1280	610	213	251	553
CHHM20 - 6225DB - (B) - Ratio	15	4	1265	610	261	324	589		1370	610	261	324	623
CHHM25 - 6225DB - (B) - Ratio	18.5	4	1360	610	328	394	661		1525	610	328	394	712
CHHM30 - 6225DB - (B) - Ratio	22	4	1360	610	328	394	661		1525	610	328	394	712
CHHM40 - 6225DB - (B) - Ratio	30	4	1360	610	328	394	678		1525	610	328	394	729

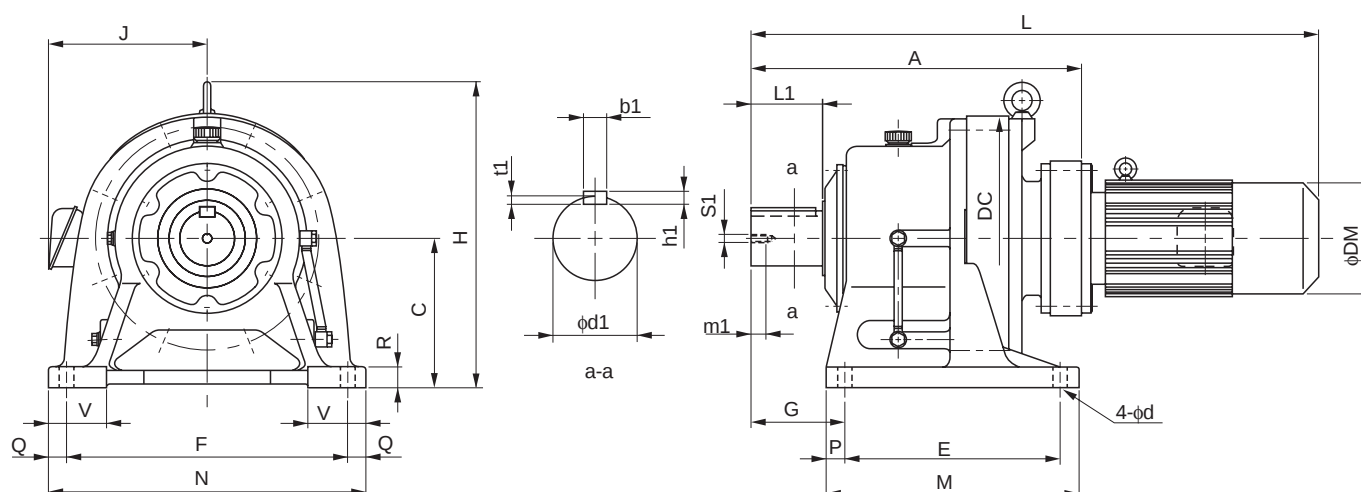
Note: 4. indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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} - 6235DA to 6245DB

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
6235DA	778	300	562	460	580	260	560	670	50	45	45	120	33	130	200	32	18	11	M24	41
6235DB	800	300	562	460	580	260	560	670	50	45	45	120	33	130	200	32	18	11	M24	41
6245DA	816	335	614	480	630	263	580	720	50	45	45	128	39	140	200	36	20	12	M24	41
6245DB	837	335	614	480	630	263	580	720	50	45	45	128	39	140	200	36	20	12	M24	41

Model	Note 4	Motor		Standard					With Brake				
		kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CHHM3 - 6235DA - (B) - Ratio		2.2	4	1068	667	152	173	561	1131	667	152	173	567
CHHM4 - 6235DA - (B) - Ratio		3.0	4	1091	667	168	212	570	1163	667	168	212	580
CHHM5 - 6235DA - (B) - Ratio		3.7	4	1091	667	168	212	570	1163	667	168	212	580
CHHM8 - 6235DA - (B) - Ratio		5.5	4	1135	667	168	212	577	1207	667	168	212	587
CHHM10 - 6235DA - (B) - Ratio		7.5	4	1163	667	213	251	593	1258	667	213	251	610
CHHM15 - 6235DA - (B) - Ratio		11	4	1223	667	213	251	607	1318	667	213	251	624
CHHM20 - 6235DA - (B) - Ratio		15	4	1308	667	261	324	660	1413	667	261	324	624
CHHM25 - 6235DA - (B) - Ratio		18.5	4	1403	667	328	394	737	1568	667	328	394	788
CHHM30 - 6235DA - (B) - Ratio		22	4	1403	667	328	394	737	1568	667	328	394	788
CHHM15 - 6235DB - (B) - Ratio		11	4	1245	667	213	251	639	1340	667	213	251	657
CHHM20 - 6235DB - (B) - Ratio		15	4	1330	667	261	324	701	1435	667	261	324	735
CHHM25 - 6235DB - (B) - Ratio		18.5	4	1425	667	328	394	768	1590	667	328	394	819
CHHM30 - 6235DB - (B) - Ratio		22	4	1425	667	328	394	768	1590	667	328	394	819
CHHM40 - 6235DB - (B) - Ratio		30	4	1425	667	328	394	782	1590	667	328	394	825
CHHM50 - 6235DB - (B) - Ratio		37	4	1540	667	328	394	820	1755	667	328	394	917
CHHM3 - 6245DA - (B) - Ratio		2.2	4	1106	729	152	173	670	1169	729	152	173	676
CHHM4 - 6245DA - (B) - Ratio		3.0	4	1129	729	168	212	679	1201	729	168	212	689
CHHM5 - 6245DA - (B) - Ratio		3.7	4	1129	729	168	212	679	1201	729	168	212	689
CHHM8 - 6245DA - (B) - Ratio		5.5	4	1173	729	168	212	686	1245	729	168	212	696
CHHM10 - 6245DA - (B) - Ratio		7.5	4	1201	729	213	251	702	1296	729	213	251	719
CHHM15 - 6245DA - (B) - Ratio		11	4	1261	729	213	251	716	1356	729	213	251	733
CHHM20 - 6245DA - (B) - Ratio		15	4	1346	729	261	324	769	1451	729	261	324	803
CHHM25 - 6245DA - (B) - Ratio		18.5	4	1441	729	328	394	840	1606	729	328	394	891
CHHM30 - 6245DA - (B) - Ratio		22	4	1441	729	328	394	840	1606	729	328	394	891
CHHM15 - 6245DB - (B) - Ratio		11	4	1282	729	213	251	740	1377	729	213	251	758
CHHM20 - 6245DB - (B) - Ratio		15	4	1367	729	261	324	800	1472	729	261	324	834
CHHM25 - 6245DB - (B) - Ratio		18.5	4	1462	729	328	394	866	1627	729	328	394	917
CHHM30 - 6245DB - (B) - Ratio		22	4	1462	729	328	394	866	1627	729	328	394	917
CHHM40 - 6245DB - (B) - Ratio		30	4	1462	729	328	394	883	1627	729	328	394	926
CHHM50 - 6245DB - (B) - Ratio		37	4	1577	729	328	394	935	1792	729	328	394	1032

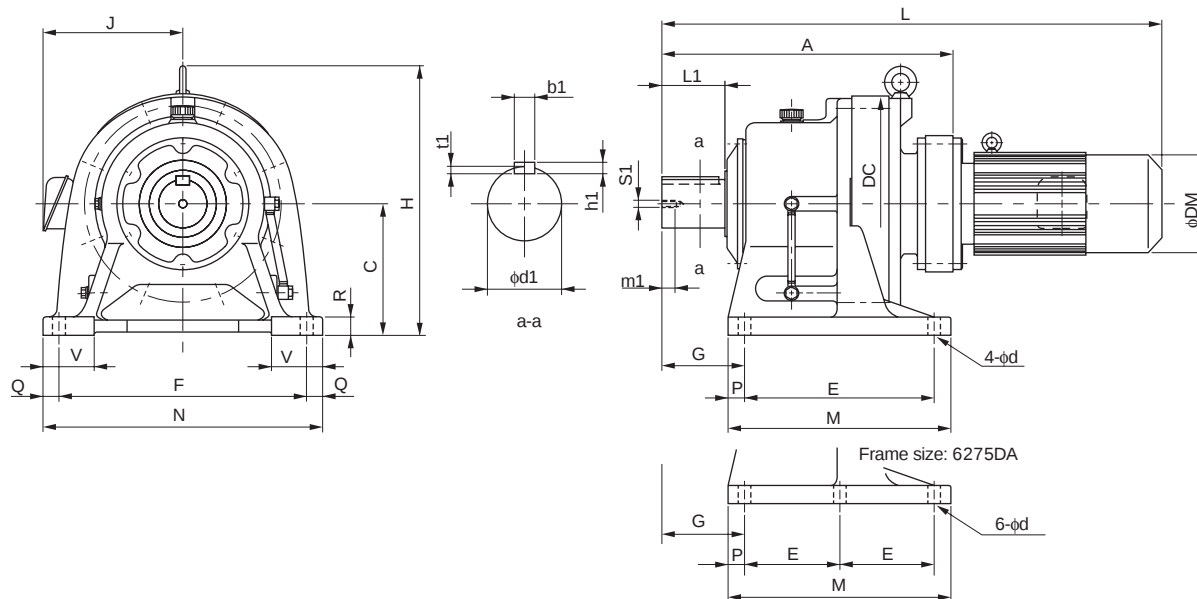
Note: 1. □ indicates motor capacity.

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} - 6255DA to 6275DA



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
6255DA	956	375	670	520	670	320	630	780	55	55	50	140	39	160	240	40	22	13	M30	49
6255DB	978	375	670	520	670	320	630	780	55	55	50	140	39	160	240	40	22	13	M30	49
6265DA	1088	400	736	590	770	390	700	880	55	55	55	160	45	170	300	40	22	13	M30	49
6275DA	1349	540	950	420	1050	485	1040	1160	100	55	60	200	45	180	330	45	25	15	M30	52

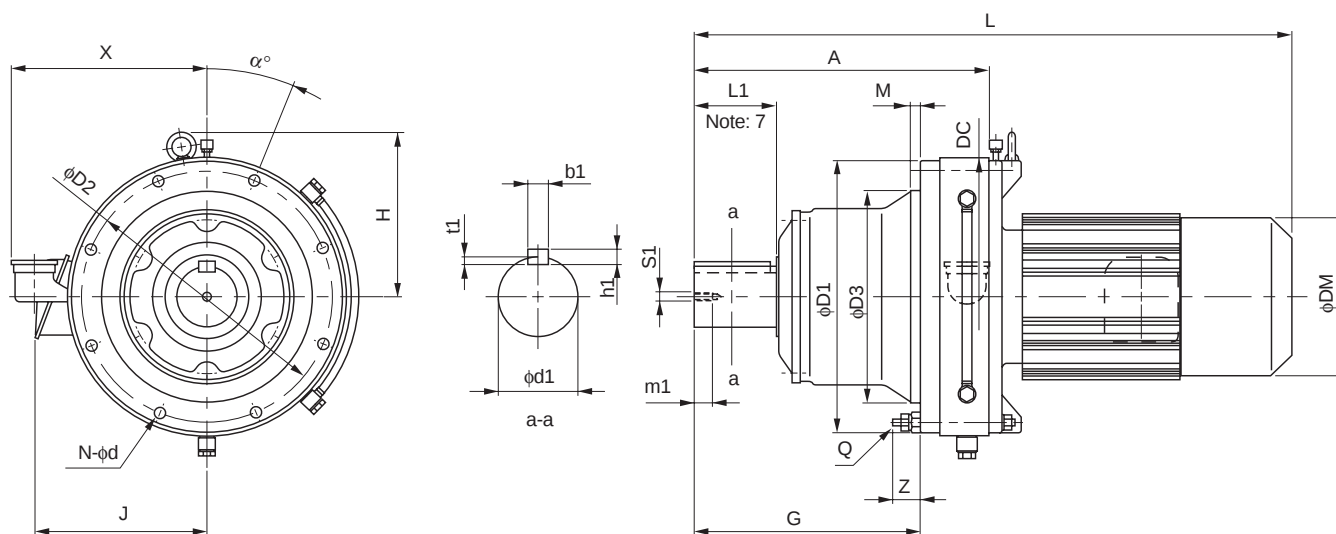
Model ^{Note 4}	Motor		Standard							With Brake				
	kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)	L	H
CHHM5 - 6255DA - (B) - Ratio	3.7	4	1284	815	168	212	1031	1356	815	168	212	1041	1356	815
CHHM8 - 6255DA - (B) - Ratio	5.5	4	1328	815	168	212	1041	1400	815	168	212	1051	1400	815
CHHM10 - 6255DA - (B) - Ratio	7.5	4	1346	815	213	251	1056	1441	815	213	251	1071	1441	815
CHHM15 - 6255DA - (B) - Ratio	11	4	1406	815	213	251	1071	1501	815	213	251	1086	1501	815
CHHM20 - 6255DA - (B) - Ratio	15	4	1486	815	261	324	1121	1591	815	261	324	1157	1591	815
CHHM25 - 6255DA - (B) - Ratio	18.5	4	1581	815	328	394	1195	1746	815	328	394	1246	1746	815
CHHM30 - 6255DA - (B) - Ratio	22	4	1581	815	328	394	1195	1746	815	328	394	1246	1746	815
CHHM40 - 6255DA - (B) - Ratio	30	4	1581	815	328	394	1215	1746	815	328	394	1258	1746	815
CHHM15 - 6255DB - (B) - Ratio	11	4	1443	815	213	251	1144	1538	815	213	251	1159	1538	815
CHHM20 - 6255DB - (B) - Ratio	15	4	1508	815	261	324	1194	1613	815	261	324	1228	1613	815
CHHM25 - 6255DB - (B) - Ratio	18.5	4	1603	815	328	394	1270	1768	815	328	394	1321	1768	815
CHHM30 - 6255DB - (B) - Ratio	22	4	1603	815	328	394	1270	1768	815	328	394	1321	1768	815
CHHM40 - 6255DB - (B) - Ratio	30	4	1603	815	328	394	1285	1768	815	328	394	1328	1768	815
CHHM50 - 6255DB - (B) - Ratio	37	4	1718	815	328	394	1323	1928	815	328	394	1420	1928	815
CHHM60 - 6255DB - (B) - Ratio	45	4	1718	815	328	394	1323	1928	815	328	394	1420	1928	815
CHHM8 - 6265DA - (B) - Ratio	5.5	4	1480	874	168	212	1366	1552	874	168	212	1376	1552	874
CHHM10 - 6265DA - (B) - Ratio	7.5	4	1493	874	213	251	1381	1588	874	213	251	1401	1588	874
CHHM15 - 6265DA - (B) - Ratio	11	4	1553	874	213	251	1396	1648	874	213	251	1411	1648	874
CHHM20 - 6265DA - (B) - Ratio	15	4	1618	874	261	324	1446	1723	874	261	324	1482	1723	874
CHHM25 - 6265DA - (B) - Ratio	18.5	4	1713	874	328	394	1525	1878	874	328	394	1570	1878	874
CHHM30 - 6265DA - (B) - Ratio	22	4	1713	874	328	394	1525	1878	874	328	394	1570	1878	874
CHHM40 - 6265DA - (B) - Ratio	30	4	1713	874	328	394	1540	1878	874	328	394	1583	1878	874
CHHM50 - 6265DA - (B) - Ratio	37	4	1828	874	328	394	1575	2043	874	328	394	1672	2043	874
CHHM60 - 6265DA - (B) - Ratio	45	4	1828	874	328	394	1575	2043	874	328	394	1672	2043	874
CHHM10 - 6275DA - (B) - Ratio	7.5	4	1754	1161	213	251	2516	1849	1161	213	251	2536	1849	1161
CHHM15 - 6275DA - (B) - Ratio	11	4	1814	1161	213	251	2531	1909	1161	213	251	2546	1909	1161
CHHM20 - 6275DA - (B) - Ratio	15	4	1879	1161	261	324	2581	1984	1161	261	324	2617	1984	1161
CHHM25 - 6275DA - (B) - Ratio	18.5	4	1974	1161	328	394	2660	2139	1161	328	394	2705	2139	1161
CHHM30 - 6275DA - (B) - Ratio	22	4	1974	1161	328	394	2660	2139	1161	328	394	2705	2139	1161
CHHM40 - 6275DA - (B) - Ratio	30	4	1974	1161	328	394	2670	2139	1161	328	394	2718	2139	1161
CHHM50 - 6275DA - (B) - Ratio	37	4	2089	1161	328	394	2715	2304	1161	328	394	2810	2304	1161
CHHM60 - 6275DA - (B) - Ratio	45	4	2089	1161	328	394	2715	2304	1161	328	394	2810	2304	1161

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.

Dimension Tables Gearmotors (Horizontal Direction, Flange Mount)

CHFM^{Note 1} - 616□ to 617□

GEARMOTORS

Dimension Tables
CHFM

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
616□	308	222	296	270	200	300	M12	35	10	6	14	30	228	60	90	18	11	7	M10	18
617□	352	262	330	300	250	340	M12	41	12	8	14	22.5	243	70	90	20	12	7.5	M12	24

Model Note 5, 6	Motor		Standard					With Brake				
	kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CHFM1H - 616□ - (B) - Ratio	1.1	4	583	118	145	160	76	645	118	145	160	81
CHFM2 - 616□ - (B) - Ratio	1.5	4	583	118	145	160	76	645	118	145	160	81
CHFM3 - 616□ - (B) - Ratio	2.2	4	598	124	152	173	79	661	124	152	173	85
CHFM4 - 616□ - (B) - Ratio	3.0	4	621	146	168	212	88	693	146	168	212	98
CHFM5 - 616□ - (B) - Ratio	3.7	4	621	146	168	212	88	693	146	168	212	98
CHFM8 - 616□ - (B) - Ratio	5.5	4	665	146	168	212	95	737	146	168	212	105
CHFM10 - 616□ - (B) - Ratio	7.5	4	693	173	213	251	111	788	173	213	251	128
CHFM15 - 616□ - (B) - Ratio	11	4	753	173	213	251	125	848	173	213	251	142
CHFM20 - 616□ - (B) - Ratio	15	4	838	208	261	324	178	943	208	261	324	212
CHFM25 - 616□ - (B) - Ratio	18.5	4	933	208	328	394	254	1098	208	328	394	305
CHFM30 - 616□ - (B) - Ratio	22	4	933	208	328	394	254	1098	208	328	394	305
CHFM4 - 617□ - (B) - Ratio	3.0	4	680	203	168	212	119	752	203	168	212	129
CHFM5 - 617□ - (B) - Ratio	3.7	4	680	203	168	212	119	752	203	168	212	129
CHFM8 - 617□ - (B) - Ratio	5.5	4	724	203	168	212	126	796	203	168	212	136
CHFM10 - 617□ - (B) - Ratio	7.5	4	742	203	213	251	141	837	203	213	251	159
CHFM15 - 617□ - (B) - Ratio	11	4	802	203	213	251	155	897	203	213	251	173
CHFM20 - 617□ - (B) - Ratio	15	4	882	213	261	324	209	987	213	261	324	243
CHFM25 - 617□ - (B) - Ratio	18.5	4	977	227	328	394	281	1142	227	328	394	332
CHFM30 - 617□ - (B) - Ratio	22	4	977	227	328	394	281	1142	227	328	394	332
CHFM40 - 617□ - (B) - Ratio	30	4	977	228	328	394	298	1142	228	328	394	341

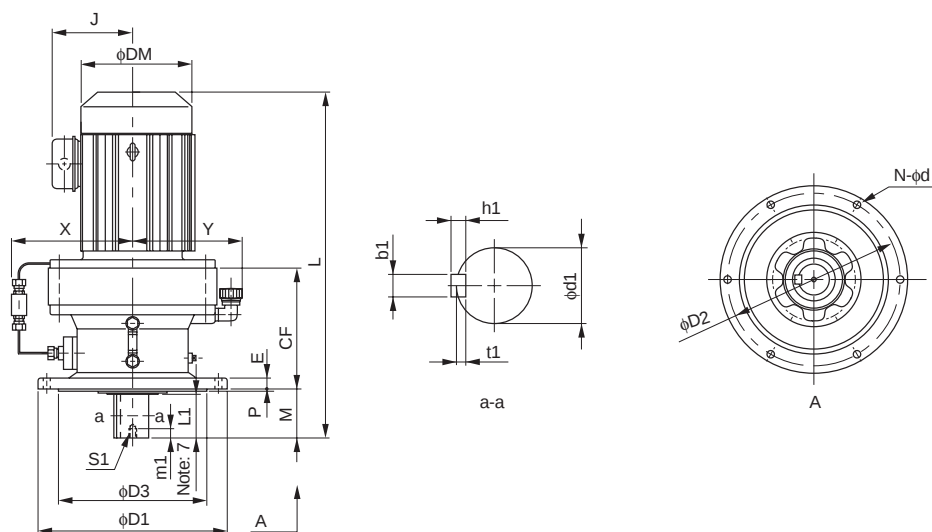
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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} - 616□ to 617□

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
616□	219	340	310	270	89	20	4	6	11	217	200	60	80	18	11	7	M10	18
617□	258	400	360	316	94	22	5	8	14	222	225	70	84	20	12	7.5	M12	24

Model Note 5, 6			Motor		Standard				With Brake			
			kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM1H	- 616□	- (B) - Ratio	1.1	4	583	145	160	89	645	145	160	94
CVVM2	- 616□	- (B) - Ratio	1.5	4	583	145	160	89	645	145	160	94
CVVM3	- 616□	- (B) - Ratio	2.2	4	598	152	173	92	661	152	173	98
CVVM4	- 616□	- (B) - Ratio	3.0	4	621	168	212	101	693	168	212	111
CVVM5	- 616□	- (B) - Ratio	3.7	4	621	168	212	101	693	168	212	111
CVVM8	- 616□	- (B) - Ratio	5.5	4	665	168	212	108	737	168	212	118
CVVM10	- 616□	- (B) - Ratio	7.5	4	693	213	251	124	788	213	251	141
CVVM15	- 616□	- (B) - Ratio	11	4	753	213	251	138	848	213	251	155
CVVM20	- 616□	- (B) - Ratio	15	4	838	261	324	191	943	261	324	225
CVVM25	- 616□	- (B) - Ratio	18.5	4	933	328	394	267	1098	328	394	318
CVVM30	- 616□	- (B) - Ratio	22	4	933	328	394	267	1098	328	394	318
CVVM4	- 617□	- (B) - Ratio	3.0	4	680	168	212	144	752	168	212	154
CVVM5	- 617□	- (B) - Ratio	3.7	4	680	168	212	144	752	168	212	154
CVVM8	- 617□	- (B) - Ratio	5.5	4	724	168	212	151	796	168	212	161
CVVM10	- 617□	- (B) - Ratio	7.5	4	742	213	251	166	837	213	251	184
CVVM15	- 617□	- (B) - Ratio	11	4	802	213	251	180	897	213	251	198
CVVM20	- 617□	- (B) - Ratio	15	4	882	261	324	234	987	261	324	268
CVVM25	- 617□	- (B) - Ratio	18.5	4	977	328	394	306	1142	328	324	357
CVVM30	- 617□	- (B) - Ratio	22	4	977	328	394	306	1142	328	324	357
CVVM40	- 617□	- (B) - Ratio	30	4	977	328	394	323	1142	328	324	366

Note: 1. □ indicates motor capacity.

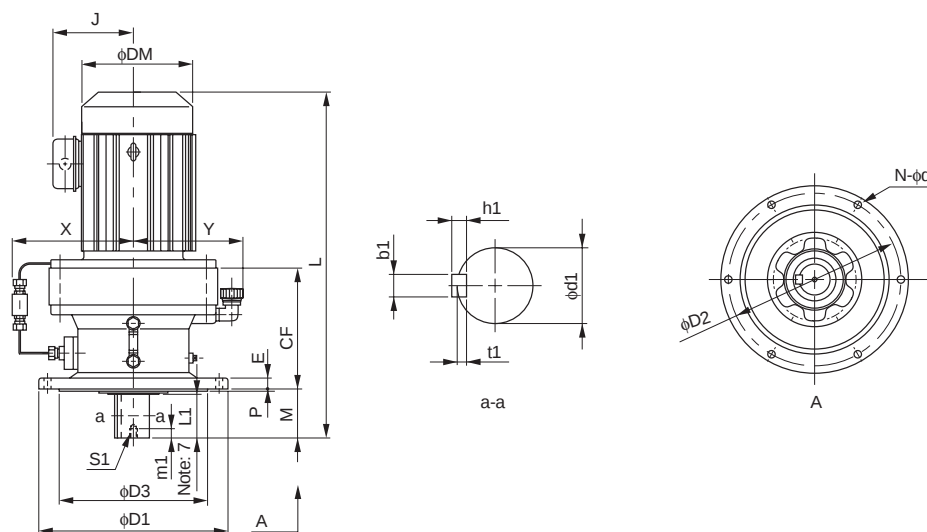
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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} - 618□ to 619□



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
618□	279	430	390	345	110	22	5	8	18	237	240	80	100	22	14	9	M12	24
619□	320	490	450	400	145	30	6	12	18	265	270	95	125	25	14	9	M20	34

Model				Motor		Standard				With Brake			
				kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM4	- 618□	- (B)	- Ratio	3.0	4	717	168	212	170	789	168	212	180
CVVM5	- 618□	- (B)	- Ratio	3.7	4	717	168	212	170	789	168	212	180
CVVM8	- 618□	- (B)	- Ratio	5.5	4	761	168	212	178	833	168	212	188
CVVM10	- 618□	- (B)	- Ratio	7.5	4	779	213	251	193	874	213	251	211
CVVM15	- 618□	- (B)	- Ratio	11	4	839	213	251	207	934	213	251	225
CVVM20	- 618□	- (B)	- Ratio	15	4	919	261	324	267	1024	261	324	296
CVVM25	- 618□	- (B)	- Ratio	18.5	4	1014	328	394	333	1179	328	394	384
CVVM30	- 618□	- (B)	- Ratio	22	4	1014	328	394	333	1179	328	394	384
CVVM40	- 618□	- (B)	- Ratio	30	4	1014	328	394	350	1179	328	394	393
CVVM50	- 618□	- (B)	- Ratio	37	4	1129	328	394	398	1344	328	394	495
CVVM60	- 618□	- (B)	- Ratio	45	4	1129	328	394	398	1344	328	394	495
CVVM8	- 619□	- (B)	- Ratio	5.5	4	857	168	212	250	929	168	212	260
CVVM10	- 619□	- (B)	- Ratio	7.5	4	870	213	251	263	965	213	251	281
CVVM15	- 619□	- (B)	- Ratio	11	4	930	213	251	277	1025	213	251	295
CVVM20	- 619□	- (B)	- Ratio	15	4	995	261	324	330	1100	261	324	365
CVVM25	- 619□	- (B)	- Ratio	18.5	4	1090	328	394	408	1255	328	394	453
CVVM256	- 619□	- (B)	- Ratio	18.5	6	1090	328	394	421	1255	328	394	466
CVVM30	- 619□	- (B)	- Ratio	22	4	1090	328	394	408	1255	328	394	453
CVVM40	- 619□	- (B)	- Ratio	30	4	1090	328	394	421	1255	328	394	466
CVVM406	- 619□	- (B)	- Ratio	30	6	1205	328	394	459	1420	328	394	556
CVVM50	- 619□	- (B)	- Ratio	37	4	1205	328	394	459	1420	328	394	556
CVVM506	- 619□	- (B)	- Ratio	37	6	1205	328	394	459	1420	328	394	556
CVVM60	- 619□	- (B)	- Ratio	45	4	1205	328	394	459	1420	328	394	556

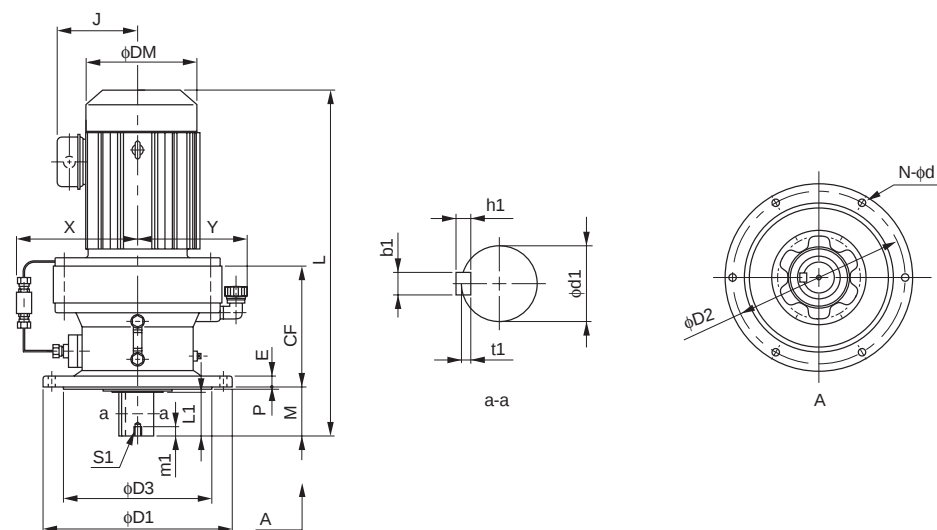
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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} - 6205 to 6215

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
6205	298	455	405	355	204	30	5	8	22	341	287	100	165	28	16	10	M20	34
6215	323	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)
CVVM15 - 6205	- (B) - Ratio	11	4	972	213	251	299	1067	213	251	317
CVVM20 - 6205	- (B) - Ratio	15	4	1042	261	324	353	1147	261	324	389
CVVM206 - 6205	- (B) - Ratio	15	6	1127	328	394	428	1292	328	394	473
CVVM25 - 6205	- (B) - Ratio	18.5	4	1127	328	394	428	1292	328	394	473
CVVM30 - 6205	- (B) - Ratio	22	4	1127	328	394	428	1292	328	394	473
CVVM306 - 6205	- (B) - Ratio	22	6	1127	328	394	441	1292	328	394	486
CVVM40 - 6205	- (B) - Ratio	30	4	1127	328	394	441	1292	328	394	486
CVVM406 - 6205	- (B) - Ratio	30	6	1242	328	394	479	1457	328	394	573
CVVM50 - 6205	- (B) - Ratio	37	4	1242	328	394	479	1457	328	394	573
CVVM506 - 6205	- (B) - Ratio	37	6	1242	328	394	479	1457	328	394	573
CVVM60 - 6205	- (B) - Ratio	45	4	1242	328	394	479	1457	328	394	573
CVVM606 - 6205	- (B) - Ratio	45	6	1297	378	484	572	-	-	-	-
CVVM75 - 6205	- (B) - Ratio	55	4	1297	378	484	572	-	-	-	-
CVVM15 - 6215	- (B) - Ratio	11	4	996	213	251	377	1091	213	251	395
CVVM20 - 6215	- (B) - Ratio	15	4	1066	261	324	432	1171	261	324	467
CVVM206 - 6215	- (B) - Ratio	15	6	1151	328	394	501	1316	328	394	546
CVVM25 - 6215	- (B) - Ratio	18.5	4	1151	328	394	501	1316	328	394	546
CVVM256 - 6215	- (B) - Ratio	18.5	6	1151	328	394	514	1316	328	394	559
CVVM30 - 6215	- (B) - Ratio	22	4	1151	328	394	501	1316	328	394	546
CVVM306 - 6215	- (B) - Ratio	22	6	1151	328	394	514	1316	328	394	559
CVVM40 - 6215	- (B) - Ratio	30	4	1151	328	394	514	1316	328	394	559
CVVM406 - 6215	- (B) - Ratio	30	6	1266	328	394	569	1481	328	394	664
CVVM50 - 6215	- (B) - Ratio	37	4	1266	328	394	569	1481	328	394	664
CVVM506 - 6215	- (B) - Ratio	37	6	1266	328	394	569	1481	328	394	664
CVVM60 - 6215	- (B) - Ratio	45	4	1266	328	394	569	1481	328	394	664
CVVM606 - 6215	- (B) - Ratio	45	6	1321	378	484	662	-	-	-	-
CVVM75 - 6215	- (B) - Ratio	55	4	1321	378	484	662	-	-	-	-

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

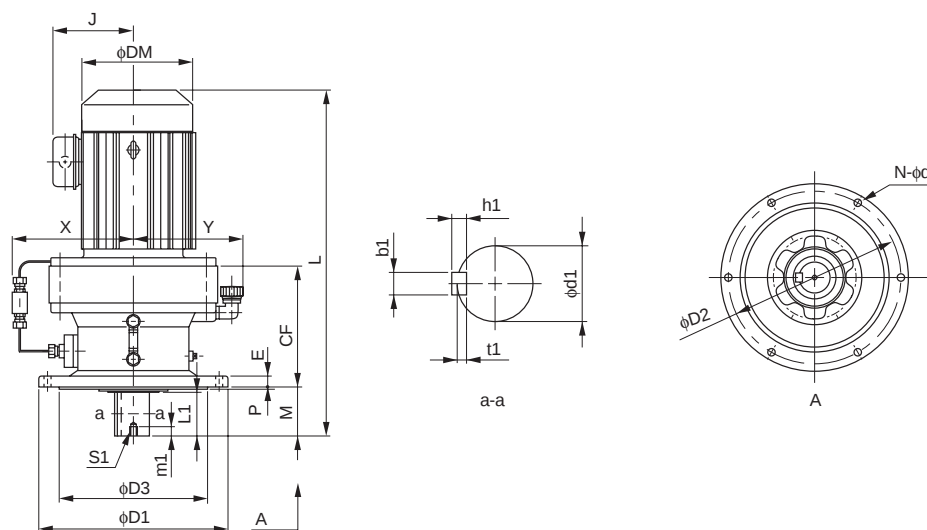
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

CVVM^{Note 1} - 6225 to 6235



GEARMOTORS

 Dimension Tables
CVVM

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
6225	356	535	475	415	210	35	10	8	27	352	326	120	165	32	18	11	M20	34
6235	378	570	510	450	250	40	10	8	27	359	344	130	200	32	18	11	M24	41

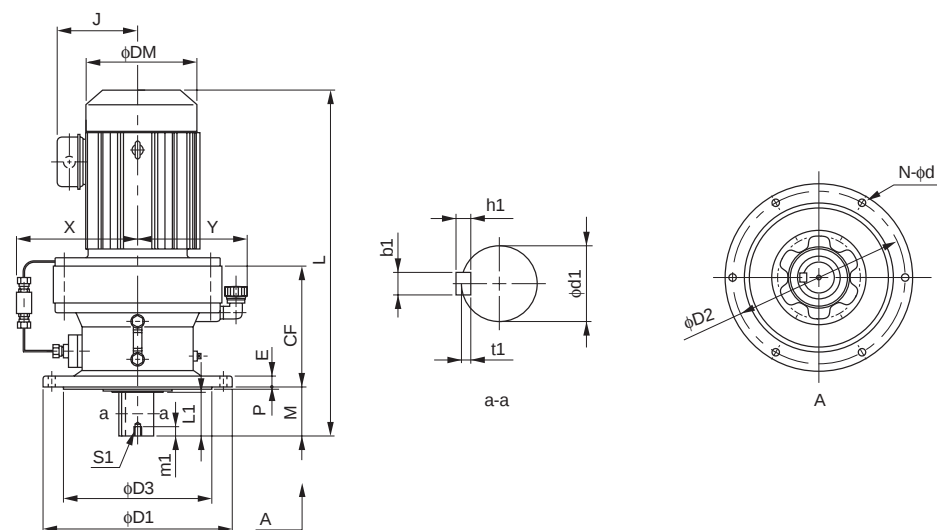
Model Note 5	Motor		Standard				With Brake			
	kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM206 - 6225 - (B) - Ratio	15	6	1191	328	394	593	1356	328	394	638
CVVM25 - 6225 - (B) - Ratio	18.5	4	1191	328	394	593	1356	328	394	638
CVVM256 - 6225 - (B) - Ratio	18.5	6	1191	328	394	606	1356	328	394	651
CVVM30 - 6225 - (B) - Ratio	22	4	1191	328	394	593	1356	328	394	638
CVVM306 - 6225 - (B) - Ratio	22	6	1191	328	394	606	1356	328	394	651
CVVM40 - 6225 - (B) - Ratio	30	4	1191	328	394	606	1356	328	394	651
CVVM406 - 6225 - (B) - Ratio	30	6	1306	328	394	660	1521	328	394	755
CVVM50 - 6225 - (B) - Ratio	37	4	1306	328	394	660	1521	328	394	755
CVVM506 - 6225 - (B) - Ratio	37	6	1306	328	394	660	1521	328	394	755
CVVM60 - 6225 - (B) - Ratio	45	4	1306	328	394	660	1521	328	394	755
CVVM606 - 6225 - (B) - Ratio	45	6	1361	378	484	743	-	-	-	-
CVVM75 - 6225 - (B) - Ratio	55	4	1361	378	484	743	-	-	-	-
CVVM206 - 6235 - (B) - Ratio	15	6	1253	328	394	653	1418	328	394	684
CVVM256 - 6235 - (B) - Ratio	18.5	6	1253	328	394	653	1418	328	394	698
CVVM306 - 6235 - (B) - Ratio	22	6	1253	328	394	653	1418	328	394	698
CVVM406 - 6235 - (B) - Ratio	30	6	1368	328	394	699	1583	328	394	787
CVVM506 - 6235 - (B) - Ratio	37	6	1368	328	394	699	1583	328	394	787
CVVM606 - 6235 - (B) - Ratio	45	6	1423	378	484	788	-	-	-	-
CVVM756 - 6235 - (B) - Ratio	55	6	1503	378	485	842	-	-	-	-

Note: 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 (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM - 6245 to 6265

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
6245	407	635	560	485	250	40	10	8	33	370	371	140	200	36	20	12	M24	41
6255	480	685	610	535	295	45	10	8	33	426	399	160	240	40	22	13	M30	49
6265	532	750	660	570	360	50	10	8	39	460	431	170	300	40	22	13	M30	49

Model	Note 6	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM206 - 6245	- (B) - Ratio	15	6	1282	328	394	759	1447	328	394	792
CVVM256 - 6245	- (B) - Ratio	18.5	6	1282	328	394	759	1447	328	394	806
CVVM306 - 6245	- (B) - Ratio	22	6	1282	328	394	759	1447	328	394	806
CVVM406 - 6245	- (B) - Ratio	30	6	1397	328	394	805	1612	328	394	893
CVVM506 - 6245	- (B) - Ratio	37	6	1397	328	394	805	1612	328	394	893
CVVM606 - 6245	- (B) - Ratio	45	6	1452	378	484	896	-	-	-	-
CVVM756 - 6245	- (B) - Ratio	55	6	1532	378	485	945	-	-	-	-
CVVM206 - 6255	- (B) - Ratio	15	6	1400	328	394	1045	1565	328	394	1123
CVVM256 - 6255	- (B) - Ratio	18.5	6	1400	328	394	1045	1565	328	394	1137
CVVM306 - 6255	- (B) - Ratio	22	6	1400	328	394	1045	1565	328	394	1137
CVVM406 - 6255	- (B) - Ratio	30	6	1515	328	394	1090	1730	328	394	1178
CVVM506 - 6255	- (B) - Ratio	37	6	1515	328	394	1090	1730	328	394	1178
CVVM606 - 6255	- (B) - Ratio	45	6	1570	378	484	1170	-	-	-	-
CVVM756 - 6255	- (B) - Ratio	55	6	1650	378	485	1225	-	-	-	-
CVVM406 - 6265	- (B) - Ratio	22	6	1517	328	394	1350	1727	328	394	1397
CVVM406 - 6265	- (B) - Ratio	30	6	1632	328	394	1395	1847	328	394	1483
CVVM506 - 6265	- (B) - Ratio	37	6	1632	328	394	1395	1847	328	394	1483
CVVM606 - 6265	- (B) - Ratio	45	6	1687	378	484	1490	-	-	-	-

Note: 1.  indicates motor capacity.

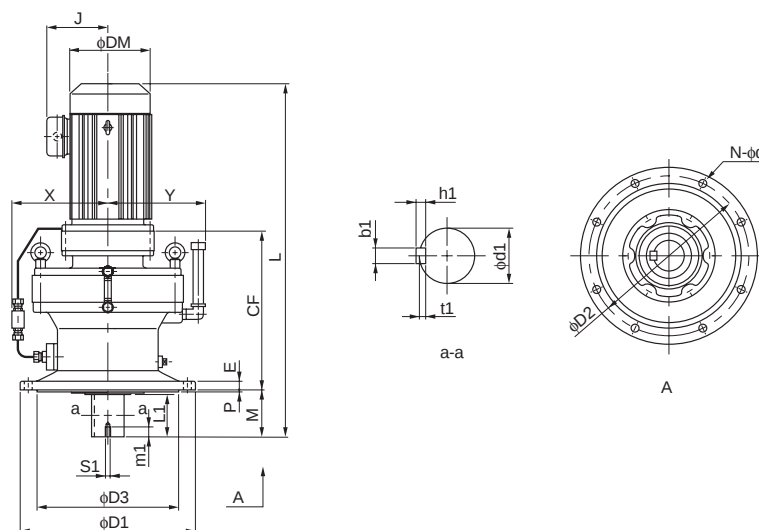
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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} - 6215DB to 6225DB



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
6215DB	472	490	440	390	203	35	7	8	24	348	306	110	165	28	16	10	M20	34
6225DA	482	535	475	415	210	35	10	8	27	352	326	120	165	32	18	11	M20	34
6225DB	525	535	475	415	210	35	10	8	27	352	326	120	165	32	18	11	M20	34

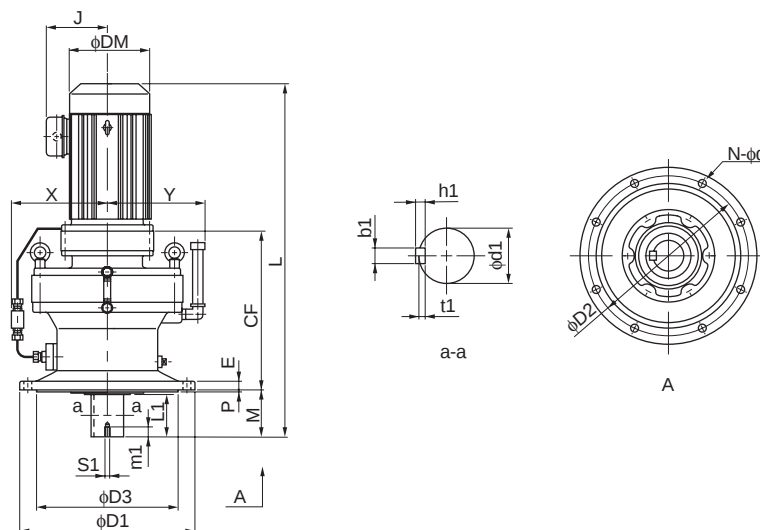
Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM5 - 6215DB - (B) - Ratio		3.7	4	993	168	212	377	1065	168	212	387
CVVM8 - 6215DB - (B) - Ratio		5.5	4	1037	168	212	384	1109	168	212	400
CVVM10 - 6215DB - (B) - Ratio		7.5	4	1060	213	251	400	1155	213	251	417
CVVM15 - 6215DB - (B) - Ratio		11	4	1120	213	251	414	1215	213	251	431
CVVM20 - 6215DB - (B) - Ratio		15	4	1205	261	324	467	1310	261	324	500
CVVM25 - 6215DB - (B) - Ratio		18.5	4	1300	328	394	543	1465	328	394	587
CVVM30 - 6215DB - (B) - Ratio		22	4	1300	328	394	543	1465	328	394	587
CVVM2 - 6225DA - (B) - Ratio		1.5	4	962	145	160	420	1024	145	160	425
CVVM3 - 6225DA - (B) - Ratio		2.2	4	982	152	173	423	1045	152	173	430
CVVM4 - 6225DA - (B) - Ratio		3.0	4	1005	168	212	433	1077	168	212	443
CVVM5 - 6225DA - (B) - Ratio		3.7	4	1005	168	212	433	1077	168	212	443
CVVM8 - 6225DA - (B) - Ratio		5.5	4	1049	168	212	440	1121	168	212	450
CVVM10 - 6225DA - (B) - Ratio		7.5	4	1072	213	251	455	1167	213	251	473
CVVM15 - 6225DA - (B) - Ratio		11	4	1132	213	251	469	1227	213	251	486
CVVM20 - 6225DA - (B) - Ratio		15	4	1222	261	324	521	1327	261	324	554
CVVM5 - 6225DB - (B) - Ratio		3.7	4	1058	168	212	479	1130	168	212	490
CVVM8 - 6225DB - (B) - Ratio		5.5	4	1102	168	212	486	1174	168	212	497
CVVM10 - 6225DB - (B) - Ratio		7.5	4	1125	213	251	501	1220	213	251	519
CVVM15 - 6225DB - (B) - Ratio		11	4	1185	213	251	515	1280	213	251	533
CVVM20 - 6225DB - (B) - Ratio		15	4	1265	261	324	569	1370	261	324	603
CVVM25 - 6225DB - (B) - Ratio		18.5	4	1360	328	394	661	1525	328	394	685
CVVM30 - 6225DB - (B) - Ratio		22	4	1360	328	394	661	1525	328	394	685
CVVM40 - 6225DB - (B) - Ratio		30	4	1360	328	394	678	1525	328	394	721

Note: 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 (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVVM^{Note 1} - 6235DA to 6245DB

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
6235DA	529	570	510	450	250	40	10	8	27	359	344	130	200	32	18	11	M24	41
6235DB	551	570	510	450	250	40	10	8	27	359	344	130	200	32	18	11	M24	41
6245DA	566	635	560	485	250	40	10	8	33	370	371	140	200	36	20	12	M24	41
6245DB	587	635	560	485	250	40	10	8	33	370	371	140	200	36	20	12	M24	41

Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM3 - 6235DA - (B) - Ratio		2.2	4	1069	152	173	523	1131	152	173	529
CVVM4 - 6235DA - (B) - Ratio		3.0	4	1091	168	212	532	1163	168	212	542
CVVM5 - 6235DA - (B) - Ratio		3.7	4	1091	168	212	532	1163	168	212	542
CVVM8 - 6235DA - (B) - Ratio		5.5	4	1135	168	212	539	1207	168	212	549
CVVM10 - 6235DA - (B) - Ratio		7.5	4	1163	213	251	555	1258	213	251	572
CVVM15 - 6235DA - (B) - Ratio		11	4	1223	213	251	569	1318	213	251	586
CVVM20 - 6235DA - (B) - Ratio		15	4	1309	261	324	622	1413	261	324	656
CVVM25 - 6235DA - (B) - Ratio		18.5	4	1403	328	394	698	1568	328	394	742
CVVM30 - 6235DA - (B) - Ratio		22	4	1403	328	394	698	1568	328	394	742
CVVM15 - 6235DB - (B) - Ratio		11	4	1245	213	251	601	1340	213	251	619
CVVM20 - 6235DB - (B) - Ratio		15	4	1330	261	324	663	1435	261	324	697
CVVM25 - 6235DB - (B) - Ratio		18.5	4	1425	328	394	730	1590	328	394	781
CVVM30 - 6235DB - (B) - Ratio		22	4	1425	328	394	730	1590	328	394	781
CVVM40 - 6235DB - (B) - Ratio		30	4	1425	328	394	744	1590	328	394	787
CVVM50 - 6235DB - (B) - Ratio		37	4	1540	328	394	792	1755	328	394	889
CVVM3 - 6245DA - (B) - Ratio		2.2	4	1106	152	173	617	1169	152	173	623
CVVM4 - 6245DA - (B) - Ratio		3.0	4	1129	168	212	626	1201	168	212	636
CVVM5 - 6245DA - (B) - Ratio		3.7	4	1129	168	212	626	1201	168	212	636
CVVM8 - 6245DA - (B) - Ratio		5.5	4	1173	168	212	633	1245	168	212	643
CVVM10 - 6245DA - (B) - Ratio		7.5	4	1201	213	251	649	1296	213	251	666
CVVM15 - 6245DA - (B) - Ratio		11	4	1261	213	251	663	1356	213	251	680
CVVM20 - 6245DA - (B) - Ratio		15	4	1346	261	324	716	1451	261	324	750
CVVM25 - 6245DA - (B) - Ratio		18.5	4	1441	328	394	792	1606	328	394	845
CVVM30 - 6245DA - (B) - Ratio		22	4	1441	328	394	792	1606	328	394	845
CVVM15 - 6245DB - (B) - Ratio		11	4	1282	213	251	690	1377	213	251	708
CVVM20 - 6245DB - (B) - Ratio		15	4	1367	261	324	750	1472	261	324	779
CVVM25 - 6245DB - (B) - Ratio		18.5	4	1462	328	394	816	1627	328	394	867
CVVM30 - 6245DB - (B) - Ratio		22	4	1462	328	394	816	1627	328	394	867
CVVM40 - 6245DB - (B) - Ratio		30	4	1462	328	394	833	1627	328	394	876
CVVM50 - 6245DB - (B) - Ratio		37	4	1577	328	394	881	1792	328	394	978

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

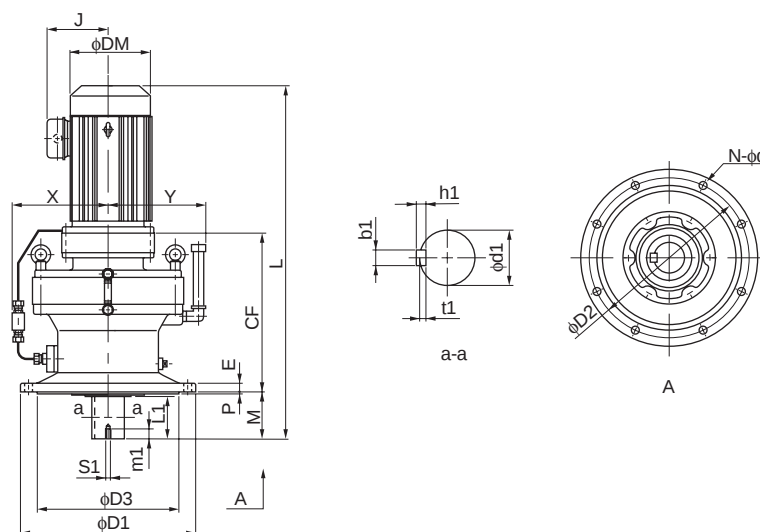
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

CVVM^{Note 1} - 6255DA to 6275DA



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
6255DA	661	685	610	535	295	45	10	8	33	395	399	160	240	40	22	13	M30	49
6255DB	684	685	610	535	295	45	10	8	33	395	399	160	240	40	22	13	M30	49
6265DA	728	750	660	570	360	50	10	8	39	427	431	170	300	40	22	13	M30	49
6275DA	994	1160	1020	900	355	60	10	8	39	610	613	180	320	45	25	15	M30	52

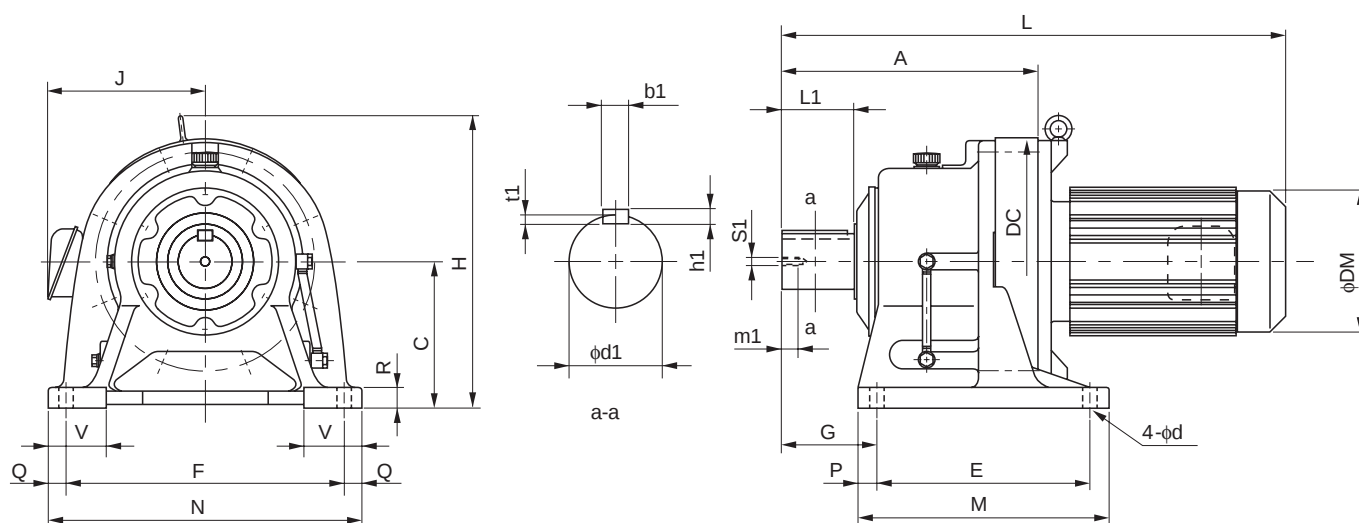
Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM5 - 6255DA - (B) - Ratio		3.7	4	1284	168	212	947	1356	168	212	957
CVVM8 - 6255DA - (B) - Ratio		5.5	4	1328	168	212	954	1400	168	212	964
CVVM10 - 6255DA - (B) - Ratio		7.5	4	1346	213	251	969	1441	213	251	984
CVVM15 - 6255DA - (B) - Ratio		11	4	1406	213	251	983	1501	213	251	998
CVVM20 - 6255DA - (B) - Ratio		15	4	1486	261	324	1041	1591	261	324	1077
CVVM25 - 6255DA - (B) - Ratio		18.5	4	1581	328	394	1110	1746	328	394	1161
CVVM30 - 6255DA - (B) - Ratio		22	4	1581	328	394	1110	1746	328	394	1161
CVVM40 - 6255DA - (B) - Ratio		30	4	1581	328	394	1129	1746	328	394	1172
CVVM15 - 6255DB - (B) - Ratio		11	4	1443	213	251	1059	1538	213	251	1074
CVVM20 - 6255DB - (B) - Ratio		15	4	1508	261	324	1109	1613	261	324	1143
CVVM25 - 6255DB - (B) - Ratio		18.5	4	1603	328	394	1185	1768	328	394	1236
CVVM30 - 6255DB - (B) - Ratio		22	4	1603	328	394	1185	1768	328	394	1236
CVVM40 - 6255DB - (B) - Ratio		30	4	1603	328	394	1200	1768	328	394	1243
CVVM50 - 6255DB - (B) - Ratio		37	4	1718	328	394	1238	1928	328	394	1335
CVVM60 - 6255DB - (B) - Ratio		45	4	1718	328	394	1238	1928	328	394	1335
CVVM8 - 6265DA - (B) - Ratio		5.5	4	1480	168	212	1296	1552	168	212	1306
CVVM10 - 6265DA - (B) - Ratio		7.5	4	1493	213	251	1309	1588	213	251	1329
CVVM15 - 6265DA - (B) - Ratio		11	4	1553	213	251	1326	1648	213	251	1341
CVVM20 - 6265DA - (B) - Ratio		15	4	1618	261	324	1376	1723	261	324	1412
CVVM25 - 6265DA - (B) - Ratio		18.5	4	1713	328	394	1455	1878	328	394	1500
CVVM30 - 6265DA - (B) - Ratio		22	4	1713	328	394	1455	1878	328	394	1500
CVVM40 - 6265DA - (B) - Ratio		30	4	1713	328	394	1470	1878	328	394	1513
CVVM50 - 6265DA - (B) - Ratio		37	4	1828	328	394	1505	2043	328	394	1598
CVVM60 - 6265DA - (B) - Ratio		45	4	1828	328	394	1505	2043	328	394	1598
CVVM10 - 6275DA - (B) - Ratio		7.5	4	1754	213	251	2694	1849	213	251	2714
CVVM15 - 6275DA - (B) - Ratio		11	4	1814	213	251	2708	1909	213	251	2723
CVVM20 - 6275DA - (B) - Ratio		15	4	1879	261	324	2761	1984	261	324	2797
CVVM25 - 6275DA - (B) - Ratio		18.5	4	1974	328	394	2840	2139	328	394	2885
CVVM30 - 6275DA - (B) - Ratio		22	4	1974	328	394	2840	2139	328	394	2885
CVVM40 - 6275DA - (B) - Ratio		30	4	1974	328	394	2855	2139	328	394	2898
CVVM50 - 6275DA - (B) - Ratio		37	4	2089	328	394	2890	2304	328	394	2983
CVVM60 - 6275DA - (B) - Ratio		45	4	2089	328	394	2890	2304	328	394	2983

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

"*" 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.