

CYCLO DRIVE WARRANTY 2 YEARS

Sumitomo Drive Technologies
»» Building Tomorrow Together

CYCLO DRIVE GEAR MOTOR

CNHM CHHM CNVM CVVM
















Sumitomo Drive Technologies

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LET'S SUMITOMO GEAR MOTOR

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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

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

Shaft specification

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

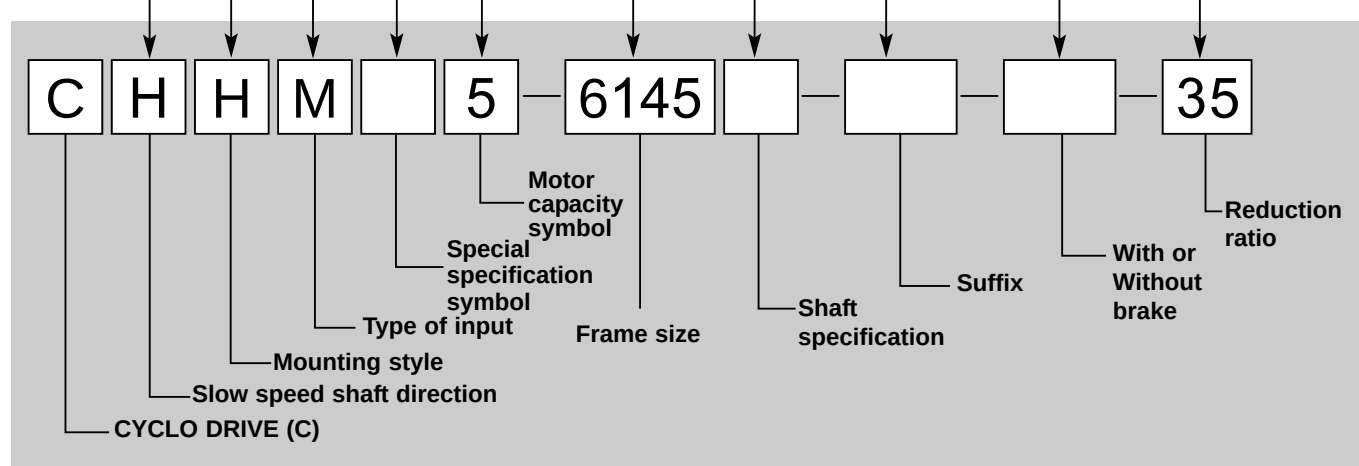
Suffix

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

With or Without Brake

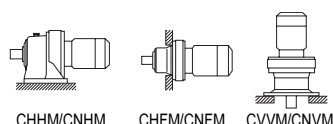
Without brake	-
With brake	B

Nominal ratio



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

Selection Tables Gearmotors



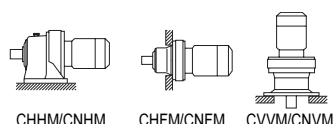
3.7 kW	n ₁ : Motor Speed					
	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

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	CNVVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
580	57.9	5.90	1820	186	1.01	700	48.0	4.89	1790	182	1.01	5 - 6105SK	- 2.5 *3		B-99	-	B-134
			2620	267	1.39				2500	255	1.39	5 - 6110SK	- 2.5 *3		B-99	-	B-134
			2620	267	1.74				2500	255	1.74	5 - 6115SK	- 2.5 *3		B-99	-	B-134
483	69.5	7.08	1850	189	1.05	583	57.5	5.87	1810	185	1.05	5 - 6105SK	- 3 *3		B-99	-	B-134
			2770	282	1.43				2650	270	1.43	5 - 6110SK	- 3 *3		B-99	-	B-134
			2770	282	1.78				2650	270	1.78	5 - 6115SK	- 3 *3		B-99	-	B-134
363	92.6	9.44	1960	200	1.02	438	76.7	7.82	1940	198	1.02	5 - 6105SK	- 4 *3		B-99	-	B-134
			2920	298	1.45				2820	287	1.45	5 - 6110SK	- 4 *3		B-99	-	B-134
			2920	298	1.81				2820	287	1.81	5 - 6115SK	- 4 *3		B-99	-	B-134
290	116	11.8	2010	205	1.00	350	95.9	9.78	2000	204	1.00	5 - 6105SK	- 5 *3		B-99	-	B-134
			3040	310	1.25				2930	299	1.25	5 - 6110SK	- 5 *3		B-99	-	B-134
			3040	310	1.56				2930	299	1.56	5 - 6115SK	- 5 *3		B-99	-	B-134
242	139	14.2	1960	200	0.85	292	115	11.7	1970	201	0.85	5 - 6105SK	- 6 *3		B-99	-	B-134
			3160	322	1.14				3060	312	1.14	5 - 6110SK	- 6 *3		B-99	-	B-134
			3160	322	1.43				3060	312	1.43	5 - 6115SK	- 6 *3		B-99	-	B-134
			4580	467	1.06				4320	440	1.06	5 - 6115	- 6		B-101	B-117	B-136
			5210	531	1.37				4910	500	1.37	5 - 6120	- 6		B-101	B-117	B-136
			5210	531	1.88				4910	500	1.57	5 - 6125	- 6		B-101	B-117	B-136
181	185	18.9	6120	624	2.54	219	153	15.6	5760	587	2.54	5 - 6130	- 6		B-102	B-118	B-137
			3260	332	1.00				3190	325	1.00	5 - 6110SK	- 8 *3		B-99	-	B-134
			3260	332	1.25				3190	325	1.25	5 - 6115SK	- 8 *3		B-99	-	B-134
			5090	519	1.06				4800	489	1.06	5 - 6115	- 8		B-101	B-117	B-136
			5800	591	1.37				5470	557	1.37	5 - 6120	- 8		B-101	B-117	B-136
			5800	591	1.88				5470	557	1.88	5 - 6125	- 8		B-101	B-117	B-136
145	232	23.6	6820	695	2.54	175	192	19.6	6420	655	2.54	5 - 6130	- 8		B-102	B-118	B-137
			3360	343	1.03				3330	339	1.03	5 - 6115SK	- 10 *3		B-99	-	B-134
			5780	589	1.06				5460	557	1.06	5 - 6115	- 11		B-101	B-117	B-136
			6580	670	1.37				6200	632	1.37	5 - 6120	- 11		B-101	B-117	B-136
132	255	26.0	6580	670	1.60	159	211	21.5	6200	632	1.60	5 - 6125	- 11		B-101	B-117	B-136
			7770	792	2.54				7320	746	2.54	5 - 6130	- 11		B-102	B-118	B-137
			5960	608	1.05				5640	574	1.05	5 - 6115	- 13		B-101	B-117	B-136
			6780	691	1.37				6400	652	1.37	5 - 6120	- 13		B-101	B-117	B-136
112	301	30.7	6780	691	1.60	135	249	25.4	6400	652	1.60	5 - 6125	- 13		B-101	B-117	B-136
			8080	824	2.54				7620	776	2.54	5 - 6130	- 13		B-102	B-118	B-137
			8080	824	2.76				7620	776	3.05	5 - 6135	- 13		B-102	B-118	B-137
			6330	646	1.05				5990	611	1.05	5 - 6115	- 15		B-101	B-117	B-136
96.7	347	35.4	7260	741	1.37	117	288	29.3	6860	699	1.37	5 - 6120	- 15		B-101	B-117	B-136
			7260	741	1.60				6860	699	1.60	5 - 6125	- 15		B-101	B-117	B-136
			8250	841	2.10				7770	792	2.10	5 - 6130	- 15		B-102	B-118	B-137
			8250	841	2.42				7770	792	2.42	5 - 6135	- 15		B-102	B-118	B-137
85.3	394	40.1	6380	650	1.05	103	326	33.2	6040	616	1.05	5 - 6115	- 17		B-101	B-117	B-136
			7320	747	1.32				6920	705	1.37	5 - 6120	- 17		B-101	B-117	B-136
			7320	747	1.53				6920	705	1.53	5 - 6125	- 17		B-101	B-117	B-136
			8850	902	1.96				8340	850	1.96	5 - 6130	- 17		B-102	B-118	B-137
			8850	902	2.24				8340	850	2.24	5 - 6135	- 17		B-102	B-118	B-137
			13100	1330	2.73				12300	1260	2.73	5 - 6140	- 17		B-102	B-118	B-137
69.0	486	49.6	5010	511	0.84	83.3	403	41.1	6350	647	0.84	5 - 6115	- 21		B-101	B-117	B-136
			8010	816	1.07				7570	772	1.07	5 - 6120	- 21		B-101	B-117	B-136
			8010	816	1.29				7570	772	1.32	5 - 6125	- 21		B-101	B-117	B-136
			9440	962	1.61				8900	908	1.66	5 - 6130	- 21		B-102	B-118	B-137
			9440	962	1.82				8900	908	2.04	5 - 6135	- 21		B-102	B-118	B-137
			14000	1420	2.34				13200	1350	2.34	5 - 6140	- 21		B-102	B-118	B-137
69.0	486	49.6	14000	1420	2.56				13200	1350	2.97	5 - 6145	- 21		B-102	B-118	B-137

- "*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 "6000 SK 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.

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



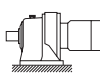
3.7 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

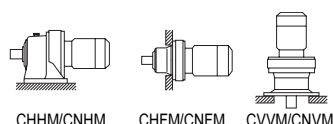
50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
12.0	2100	214	22100	2250	*1	14.5	2100	214	22100	2250	*1	5 -	6165DC	- 121	B-111	B-127	B-146
			29500	3010	1.19				29500	3010	1.43	5 -	6175DC	- 121	B-111	B-127	B-146
	2650	271	41700	4250	1.53		2200	224	41000	4180	1.85	5 -	6180DB	- 121	B-111	B-127	B-146
			41700	4250	1.81				41000	4180	2.19	5 -	6185DB	- 121	B-111	B-127	B-146
			59000	6010	2.40				57300	5840	2.90	5 -	6190DB	- 121	B-112	B-128	B-147
			59000	6010	2.86				57300	5840	3.22	5 -	6195DB	- 121	B-112	B-128	B-147
10.1	2530	258	29500	3010	*1	12.2	2530	258	29500	3010	*1	5 -	6170DC	- 143	B-111	B-127	B-146
			29500	3010	1.00				29500	3010	1.21	5 -	6175DC	- 143	B-111	B-127	B-146
	3140	320	41700	4250	1.29		2600	265	41700	4250	1.56	5 -	6180DB	- 143	B-111	B-127	B-146
			41700	4250	1.56				41700	4250	1.89	5 -	6185DB	- 143	B-111	B-127	B-146
			59000	6010	1.69				59000	6010	1.69	5 -	6190DA	- 143	B-111	B-128	B-147
			59000	6010	2.03				59000	6010	2.46	5 -	6190DB	- 143	B-112	B-128	B-147
59000	6010	2.43	59000	6010	2.94	5 -	6195DB	- 143	B-112	B-128	B-147						
8.79	2530	258	29500	3010	*1	10.6	2530	258	29500	3010	*1	5 -	6170DC	- 165	B-111	B-127	B-146
			29500	3010	0.87				29500	3010	1.05	5 -	6175DC	- 165	B-111	B-127	B-146
	3620	369	41700	4250	1.12		3000	306	41700	4250	1.35	5 -	6180DB	- 165	B-111	B-127	B-146
			41700	4250	1.36				41700	4250	1.64	5 -	6185DB	- 165	B-111	B-127	B-146
			59000	6010	1.69				59000	6010	1.69	5 -	6190DA	- 165	B-111	B-128	B-147
			59000	6010	1.76				59000	6010	2.13	5 -	6190DB	- 165	B-112	B-128	B-147
59000	6010	2.19	59000	6010	2.64	5 -	6195DB	- 165	B-112	B-128	B-147						
84100	8570	2.56	84100	8570	3.09	5 -	6205DB	- 165	B-112	B-129	B-148						
7.44	3150	321	29500	3010	*1	8.97	3150	321	29500	3010	*1	5 -	6175DC	- 195	B-111	B-127	B-146
			41700	4250	1.15				41700	4250	1.39	5 -	6185DB	- 195	B-111	B-127	B-146
	4280	436	59000	6010	1.49		3540	361	59000	6010	1.69	5 -	6190DA	- 195	B-111	B-128	B-147
			59000	6010	1.49				59000	6010	1.80	5 -	6190DB	- 195	B-112	B-128	B-147
			59000	6010	1.52				59000	6010	1.69	5 -	6195DA	- 195	B-111	B-128	B-147
			59000	6010	1.85				59000	6010	2.23	5 -	6195DB	- 195	B-112	B-128	B-147
			84100	8570	2.17				84100	8570	2.62	5 -	6205DB	- 195	B-112	B-129	B-148
			104000	10600	2.85				104000	10600	3.22	5 -	6215DA	- 195	B-112	B-129	B-148
104000	10600	2.85	104000	10600	3.43	5 -	6215DB	- 195	B-113	B-130	B-149						
131000	13400	2.92	124000	12600	3.22	5 -	6225DA	- 195	B-113	B-130	B-149						
6.28	4050	413	41700	4250	*1	7.58	4050	413	41700	4250	*1	5 -	6180DB	- 231	B-111	B-127	B-146
			41700	4250	0.98				41700	4250	1.19	5 -	6185DB	- 231	B-111	B-127	B-146
	5070	516	59000	6010	1.26		4200	428	59000	6010	1.52	5 -	6190DA	- 231	B-111	B-128	B-147
			59000	6010	1.57				59000	6010	1.69	5 -	6195DA	- 231	B-111	B-128	B-147
			59000	6010	1.57				59000	6010	1.90	5 -	6195DB	- 231	B-112	B-128	B-147
			84100	8570	1.83				84100	8570	2.21	5 -	6205DB	- 231	B-112	B-129	B-148
			104000	10600	2.47				104000	10600	2.98	5 -	6215DA	- 231	B-112	B-129	B-148
			140000	14200	2.92				132000	13500	3.22	5 -	6225DA	- 231	B-113	B-130	B-149
140000	14200	2.92	132000	13500	3.53	5 -	6225DB	- 231	B-113	B-130	B-149						

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- 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

3.7 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				
5.31	4050	413	41700	4250	*1	6.41	4050	413	41700	4250	*1	5 - 6180DB - 273	B-111	B-127	B-146				
			41700	4250	0.84				41700	4250	1.01	5 - 6185DB - 273	B-111	B-127	B-146				
			59000	6010	1.07				59000	6010	1.29	5 - 6190DA - 273	B-111	B-128	B-147				
			59000	6010	1.33				59000	6010	1.60	5 - 6195DA - 273	B-111	B-128	B-147				
	5990	610	84100	8570	1.40		4960	506	84100	8570	1.58	5 - 6205DA - 273	B-112	B-129	B-148				
			84100	8570	1.55				84100	8570	1.87	5 - 6205DB - 273	B-112	B-129	B-148				
			104000	10600	2.09				104000	10600	2.52	5 - 6215DA - 273	B-112	B-129	B-148				
145000			14800	2.47	139000	14100			2.98	5 - 6225DA - 273	B-113	B-130	B-149						
4.55	5000	510	41700	4250	*1	5.49	5000	510	41700	4250	*1	5 - 6185DB - 319	B-111	B-127	B-146				
			59000	6010	1.14				59000	6010	1.37	5 - 6195DA - 319	B-111	B-128	B-147				
			84100	8570	1.15				84100	8570	1.31	5 - 6205DA - 319	B-112	B-129	B-148				
	7000	713	84100	8570	1.32		5800	591	84100	8570	1.59	5 - 6205DB - 319	B-112	B-129	B-148				
			104000	10600	1.81				104000	10600	2.18	5 - 6215DA - 319	B-112	B-129	B-148				
			145000	14800	2.15				144000	14700	2.59	5 - 6225DA - 319	B-113	B-130	B-149				
			179000	18200	2.70				179000	18200	3.26	5 - 6235DA - 319	B-114	B-131	B-150				
3.85	6380	650	59000	6010	*1	4.64	6380	650	59000	6010	*1	5 - 6190DA - 377	B-111	B-128	B-147				
			58900	6010	0.96				59000	6010	1.16	5 - 6195DA - 377	B-111	B-128	B-147				
			84100	8570	1.03				84100	8570	1.17	5 - 6205DA - 377	B-112	B-129	B-148				
	8270	843	84100	8570	1.12		6850	698	84100	8570	1.35	5 - 6205DB - 377	B-112	B-129	B-148				
			104000	10600	1.53				104000	10600	1.85	5 - 6215DA - 377	B-112	B-129	B-148				
			145000	14800	1.82				145000	14800	2.20	5 - 6225DA - 377	B-113	B-130	B-149				
			179000	18200	2.29				179000	18200	2.76	5 - 6235DA - 377	B-114	B-131	B-150				
3.07	7960	811	59000	6010	*1	3.70	7960	811	59000	6010	*1	5 - 6195DA - 473	B-111	B-128	B-147				
	8280	844	84100	8570	*1		7780	793	84100	8570	*1	5 - 6205DA - 473	B-112	B-129	B-148				
			84100	8570	0.80				84100	8570	0.90	5 - 6205DA - 473	B-112	B-129	B-148				
			84100	8570	0.90				84100	8570	1.08	5 - 6205DB - 473	B-112	B-129	B-148				
	10400	1060	104000	10600	1.22				104000	10600	1.47	5 - 6215DA - 473	B-112	B-129	B-148				
			145000	14800	1.54				145000	14800	1.86	5 - 6225DA - 473	B-113	B-130	B-149				
			179000	18200	1.98				179000	18200	2.38	5 - 6235DA - 473	B-114	B-131	B-150				
		208000	21200	2.49			208000	21200	3.00	5 - 6245DA - 473	B-114	B-131	B-150						
2.59	12300	1250	104000	10600	1.03	3.13	10200	1040	104000	10600	1.25	5 - 6215DA - 559	B-112	B-129	B-148				
			145000	14800	1.31				145000	14800	1.58	5 - 6225DA - 559	B-113	B-130	B-149				
			179000	18200	1.67				179000	18200	2.02	5 - 6235DA - 559	B-114	B-131	B-150				
			208000	21200	2.10				208000	21200	2.54	5 - 6245DA - 559	B-114	B-131	B-150				
			258000	26300	2.81				258000	26300	3.40	5 - 6255DA - 559	B-115	B-132	B-151				
2.23	14200	1450	104000	10600	0.89	2.70	11800	1200	104000	10600	1.07	5 - 6215DA - 649	B-112	B-129	B-148				
			145000	14800	1.12				145000	14800	1.35	5 - 6225DA - 649	B-113	B-130	B-149				
			179000	18200	1.44				179000	18200	1.74	5 - 6235DA - 649	B-114	B-131	B-150				
			208000	21200	1.81				208000	21200	2.19	5 - 6245DA - 649	B-114	B-131	B-150				
			258000	26300	2.42				258000	26300	2.93	5 - 6255DA - 649	B-115	B-132	B-151				
1.98	12700	1290	104000	10600	*1	2.39	12700	1290	104000	10600	*1	5 - 6215DA - 731	B-112	B-129	B-148				
			145000	14800	1.00				145000	14800	1.20	5 - 6225DA - 731	B-113	B-130	B-149				
			179000	18200	1.28				179000	18200	1.54	5 - 6235DA - 731	B-114	B-131	B-150				
			208000	21200	1.61				208000	21200	1.94	5 - 6245DA - 731	B-114	B-131	B-150				
			258000	26300	2.15				258000	26300	2.60	5 - 6255DA - 731	B-115	B-132	B-151				
1.72	12700	1290	104000	10600	*1	2.08	12700	1290	104000	10600	*1	5 - 6215DA - 841	B-112	B-129	B-148				
			15000	1530	145000				14800	*1	15000	1530	145000	14800	0.98	5 - 6225DA - 841	B-113	B-130	B-149
			145000	14800	0.82				145000	14800	0.98	5 - 6225DA - 841	B-113	B-130	B-149				
			179000	18200	1.02				179000	18200	1.24	5 - 6235DA - 841	B-114	B-131	B-150				
			208000	21200	1.40				208000	21200	1.69	5 - 6245DA - 841	B-114	B-131	B-150				
		258000	26300	1.76			258000	26300	2.13	5 - 6255DA - 841	B-115	B-132	B-151						
1.45	15900	1620	145000	14800	*1	1.74	15900	1620	145000	14800	*1	5 - 6225DA - 1003	B-113	B-130	B-149				
			179000	18200	0.93				179000	18200	1.12	5 - 6235DA - 1003	B-114	B-131	B-150				
			208000	21200	1.17				208000	21200	1.42	5 - 6245DA - 1003	B-114	B-131	B-150				
			258000	26300	1.57				258000	26300	1.89	5 - 6255DA - 1003	B-115	B-132	B-151				

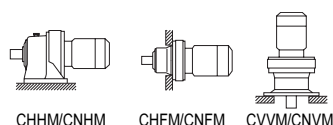
Selection Tables Gearmotors



3.7 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
1.16	20500	2090	179000	18200	*1	1.40	20500	2090	179000	18200	*1	5 -	6235DA	- 1247	B-114	B-131	B-150
	27300	2790	208000	21200	0.94		22700	2310	208000	21200	1.14	5 -	6245DA	- 1247	B-114	B-131	B-150
0.980	22600	2310	208000	21200	*1	1.18	22600	2310	208000	21200	*1	5 -	6245DA	- 1479	B-114	B-131	B-150
	32400	3310	258000	26300	0.96		26900	2740	258000	26300	1.15	5 -	6255DA	- 1479	B-115	B-132	B-151
0.784	40600	4130	258000	26300	0.85	0.946	33600	3430	258000	26300	1.03	5 -	6255DA	- 1849	B-115	B-132	B-151
0.702	34500	3520	258000	26300	*1	0.847	34500	3520	258000	26300	*1	5 -	6255DA	- 2065	B-115	B-132	B-151
0.572	34500	3520	258000	26300	*1	0.690	34500	3520	258000	26300	*1	5 -	6255DA	- 2537	B-115	B-132	B-151
0.476	31000	3160	258000	26300	*1	0.575	31000	3160	258000	26300	*1	5 -	6255DA	- 3045	B-115	B-132	B-151
0.417	34500	3520	258000	26300	*1	0.503	34500	3520	258000	26300	*1	5 -	6255DA	- 3481	B-115	B-132	B-151
0.327	31000	3160	258000	26300	*1	0.394	31000	3160	258000	26300	*1	5 -	6255DA	- 4437	B-115	B-132	B-151
0.282	34500	3520	258000	26300	*1	0.341	34500	3520	258000	26300	*1	5 -	6255DA	- 5133	B-115	B-132	B-151
0.235	31000	3160	258000	26300	*1	0.283	31000	3160	258000	26300	*1	5 -	6255DA	- 6177	B-115	B-132	B-151
0.192	31000	3160	258000	26300	*1	0.231	31000	3160	258000	26300	*1	5 -	6255DA	- 7569	B-115	B-132	B-151

GEARMOTORS

Selection Tables
3.7 kW, 5.5 kW

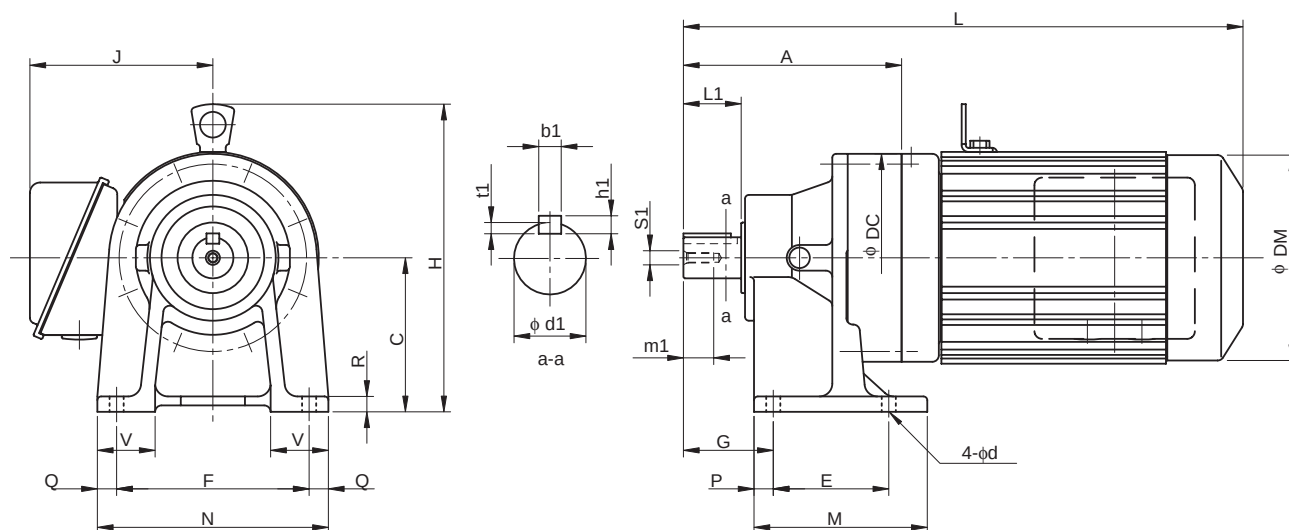
5.5 kW	n ₁ : Motor Speed				
	Hz	50Hz		60Hz	
	P	4	6	4	6
	n ₁ r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Alloable 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
580	86.0	8.77	2410	246	1.17	700	71.3	7.27	2330	238	1.17	8 -	6115SK	- 2.5 *3	B-99	-	B-134
483	103	10.5	2530	258	1.20	583	85.5	8.72	2450	250	1.20	8 -	6115SK	- 3 *3	B-99	-	B-134
363	138	14.0	2640	269	1.22	11.6	2580	263	2580	263	1.22	8 -	6115SK	- 4 *3	B-99	-	B-134
290	172	17.5	2690	274	1.05	350	143	14.5	2640	269	1.05	8 -	6115SK	- 5 *3	B-99	-	B-134
242	206	21.0	2710	276	0.96	292	171	17.4	2700	275	0.96	8 -	6115SK	- 6 *3	B-99	-	B-134
			5140	524	1.27				4850	494	1.06	8 -	6125	- 6	B-101	B-117	B-136
			6060	617	1.71				5710	582	1.71	8 -	6130	- 6	B-102	B-118	B-137
			6060	617	2.05				5710	582	2.05	8 -	6135	- 6	B-102	B-118	B-137
			9370	955	2.36				8860	903	2.36	8 -	6140	- 6	B-102	B-118	B-137
			9370	955	2.75				8860	903	2.75	8 -	6145	- 6	B-102	B-118	B-137
181	275	28.1	2680	273	0.84	219	228	23.3	2710	276	0.84	8 -	6115SK	- 8 *3	B-99	-	B-134
			5710	582	1.26				5400	550	1.26	8 -	6125	- 8	B-101	B-117	B-136
			6740	687	1.71				6360	648	1.71	8 -	6130	- 8	B-102	B-118	B-137
			6740	687	2.05				6360	648	2.05	8 -	6135	- 8	B-102	B-118	B-137
			10400	1060	2.36				9820	1000	2.36	8 -	6140	- 8	B-102	B-118	B-137
			10400	1060	2.75				9820	1000	2.75	8 -	6145	- 8	B-102	B-118	B-137
132	379	38.6	6450	658	1.08	159	314	32.0	6100	622	1.08	8 -	6125	- 11	B-101	B-117	B-136
			7680	783	1.71				7240	739	1.71	8 -	6130	- 11	B-102	B-118	B-137
			7680	783	2.05				7240	739	2.05	8 -	6135	- 11	B-102	B-118	B-137
			11600	1190	2.36				11000	1120	2.36	8 -	6140	- 11	B-102	B-118	B-137
			11600	1190	2.75				11000	1120	2.75	8 -	6145	- 11	B-102	B-118	B-137

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

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 610□ to 612□



GEARMOTORS

Dimension Tables
CNHM

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	

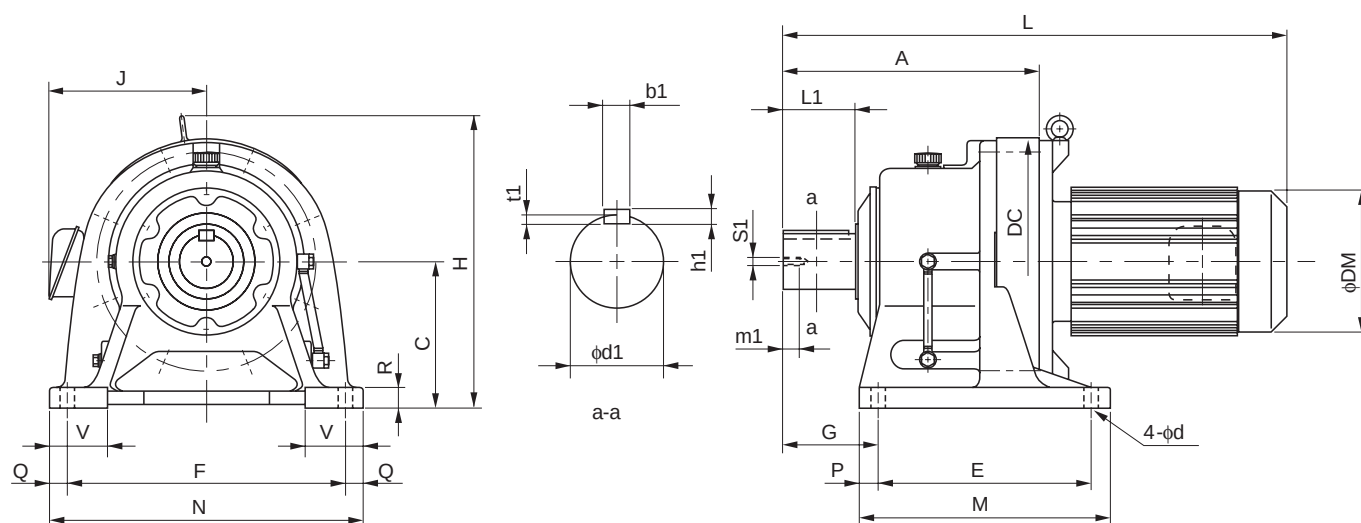
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

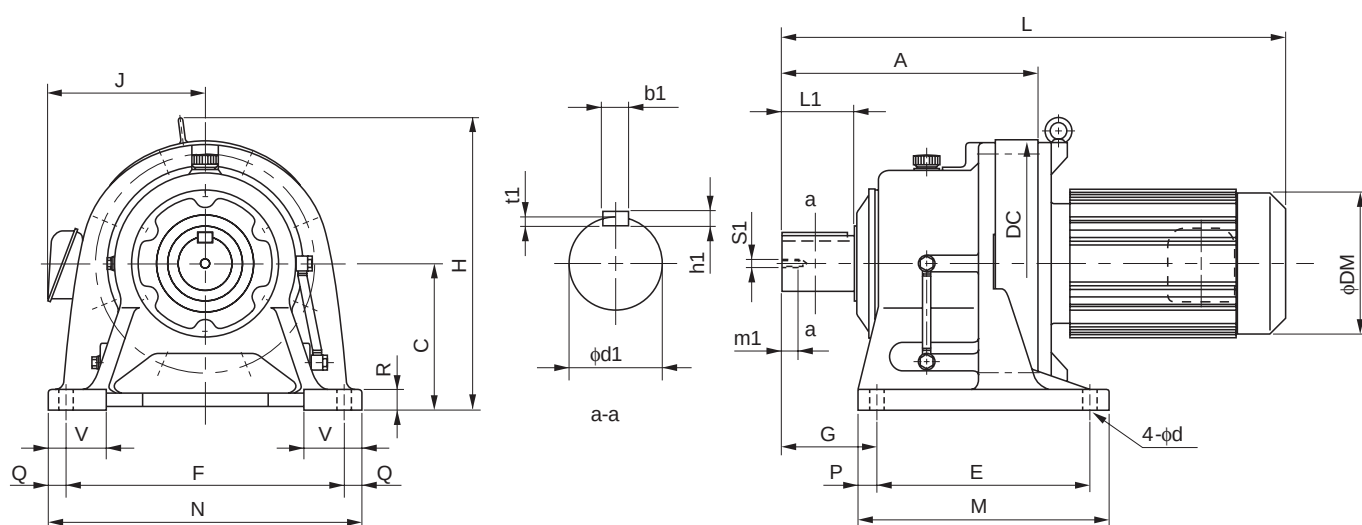
Model Note 4, 5	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM08 - 613□ - (B) - Ratio	0.55	4	477	265	140	148	51		520	265	140	148	54
CHHM1 - 613□ - (B) - Ratio	0.75	4	477	265	140	148	51		520	265	140	148	54
CHHM1H - 613□ - (B) - Ratio	1.1	4	510	268	145	160	55		572	268	145	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.

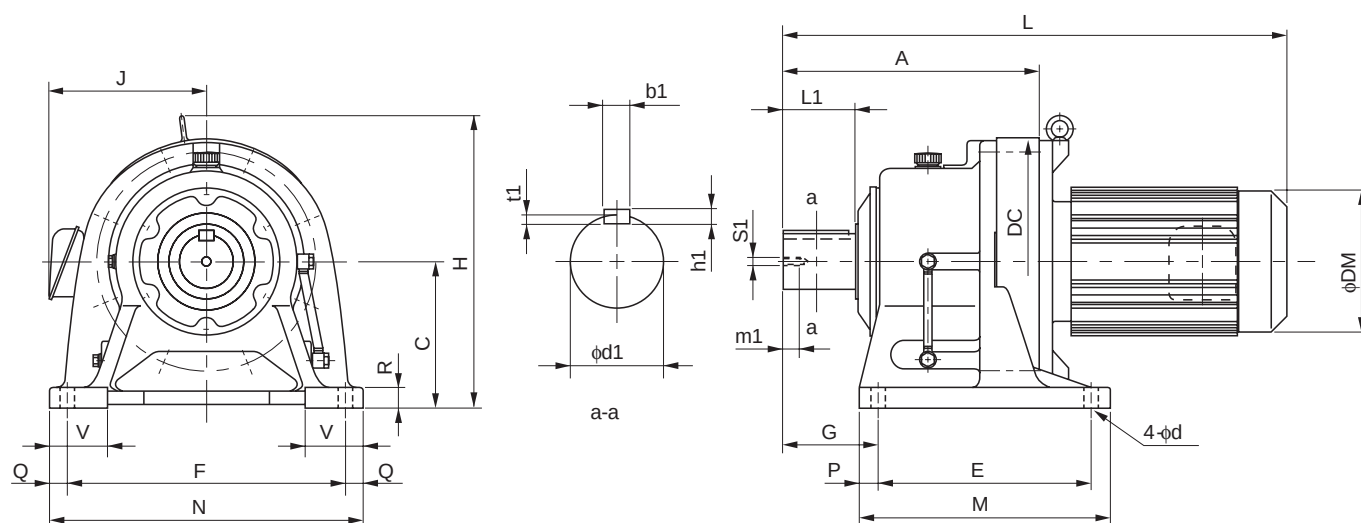
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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 (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

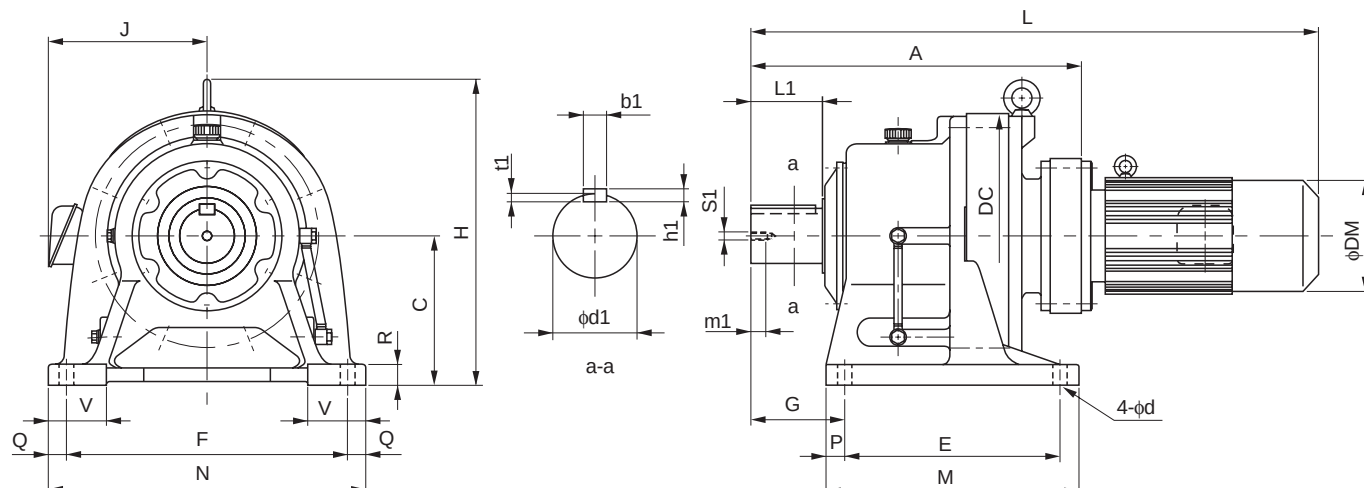
Note: 1. □ indicates motor capacity.

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} - 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

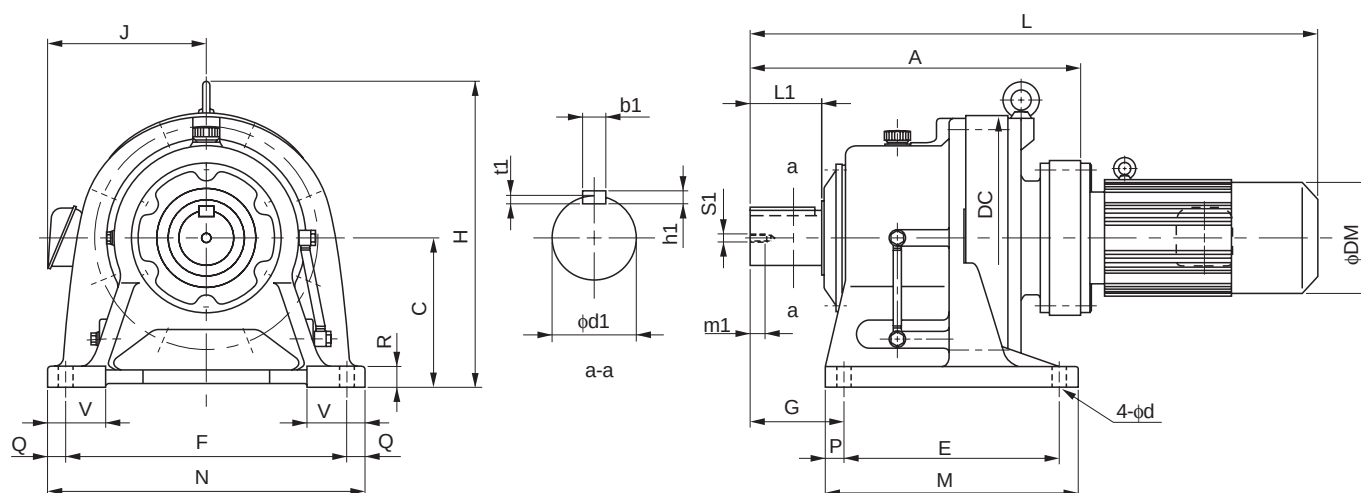
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

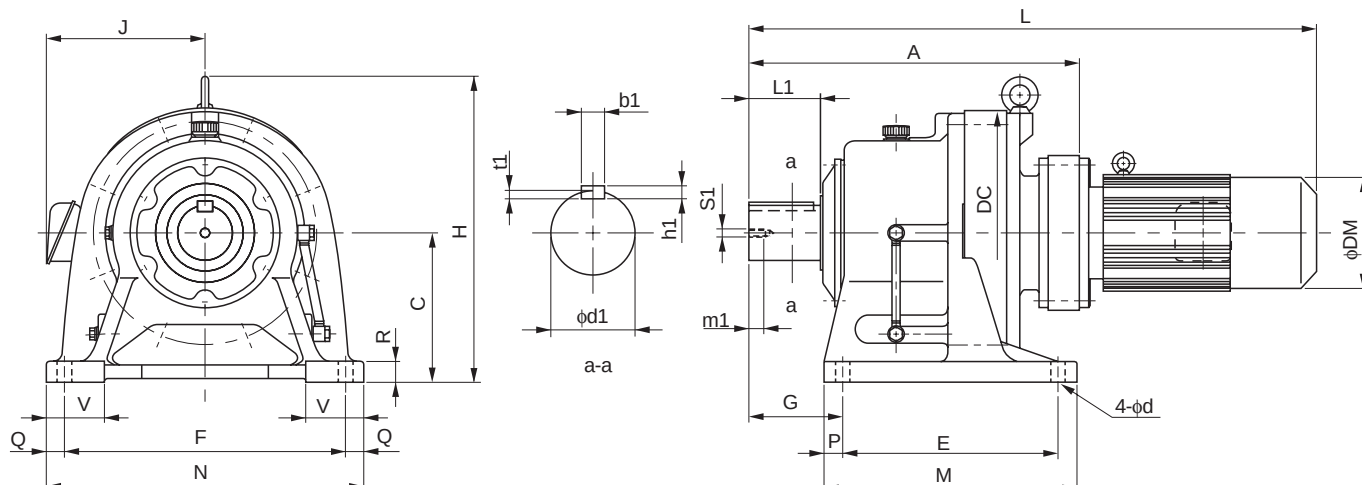
Model Note 4, 5	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CHHM2 - 619□DB - (B) - Ratio	1.5	4	842	531	145	160	261		904	531	145	160	266	
CHHM3 - 619□DB - (B) - Ratio	2.2	4	862	531	152	173	265		925	531	152	173	272	
CHHM4 - 619□DB - (B) - Ratio	3.0	4	885	531	168	212	275		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 (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 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

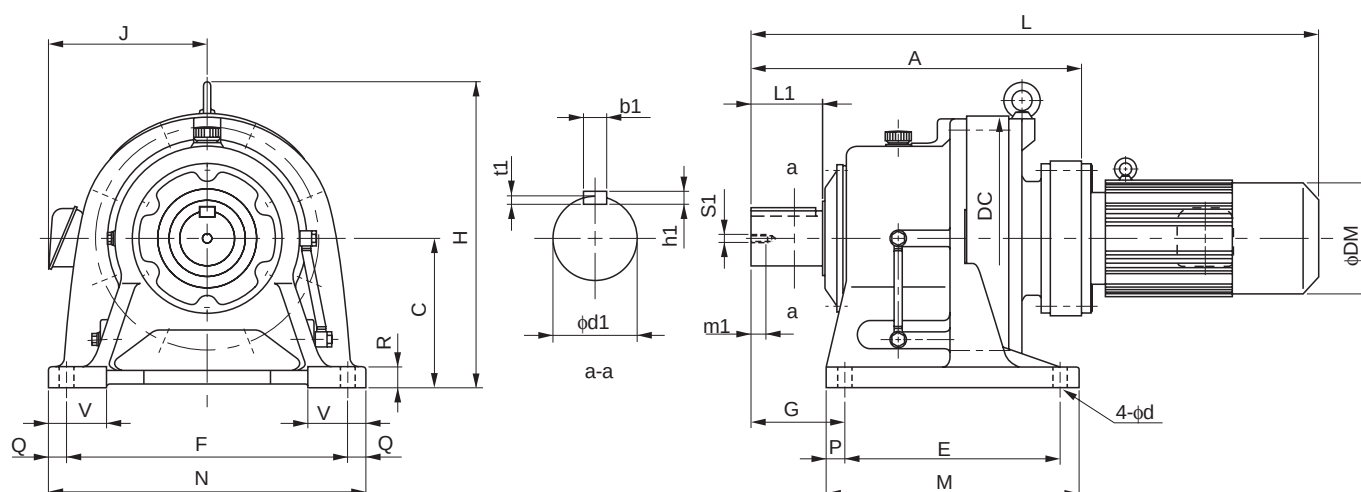
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

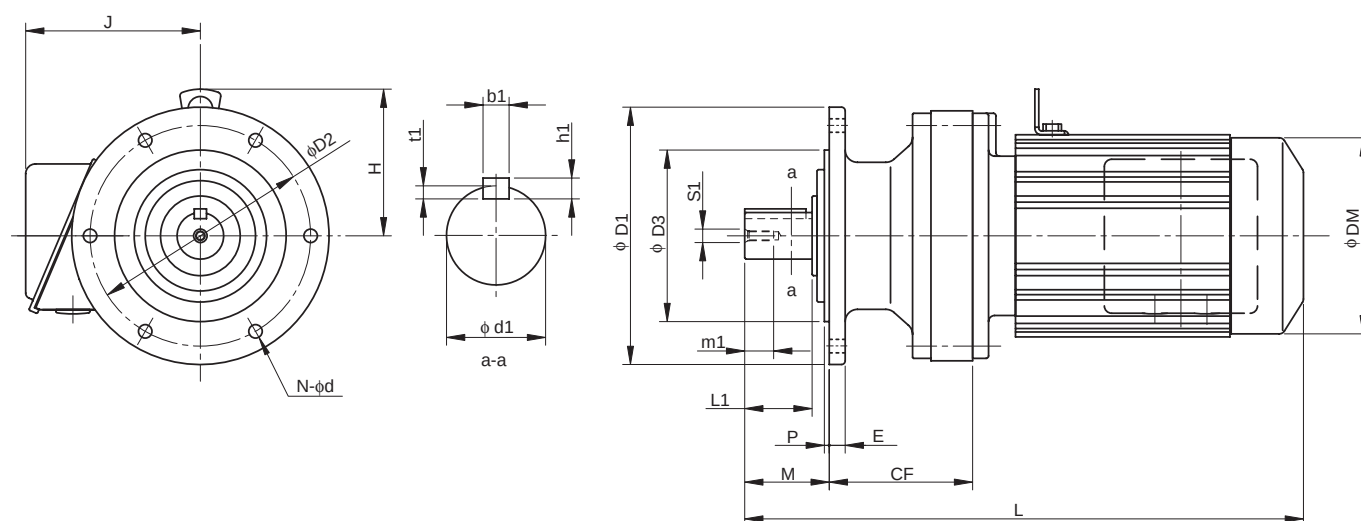
Model				Motor		Standard					With Brake				
				kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
Note 4															
CHHM3	- 6235DA	- (B)	- Ratio	2.2	4	1068	667	152	173	561	1131	667	152	173	567
CHHM4	- 6235DA	- (B)	- Ratio	3.0	4	1091	667	168	212	570	1163	667	168	212	580
CHHM5	- 6235DA	- (B)	- Ratio	3.7	4	1091	667	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 (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.

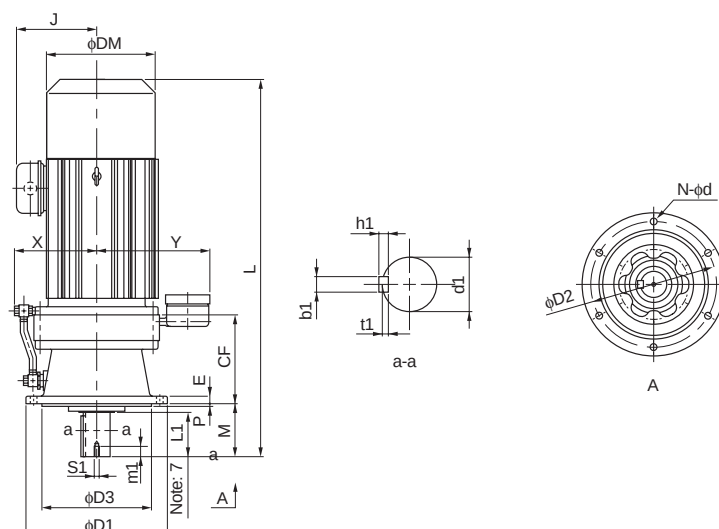
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

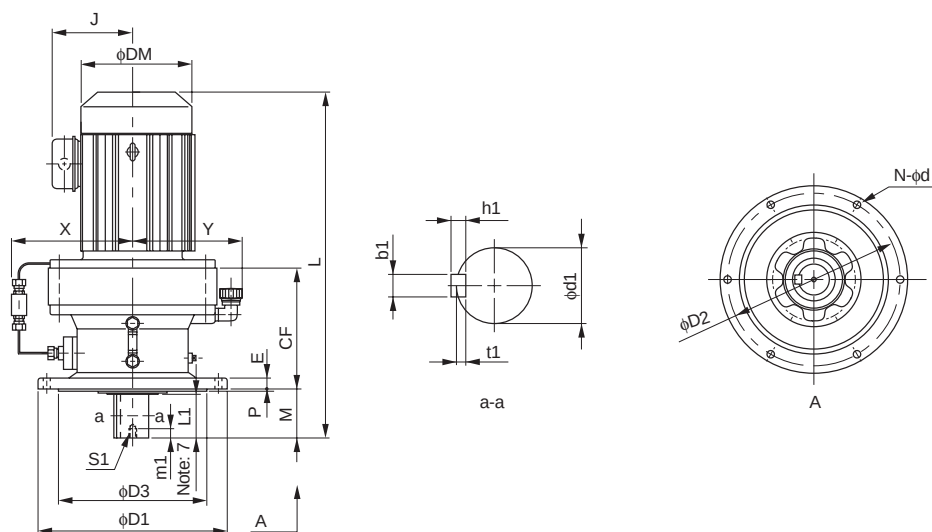
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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 (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.

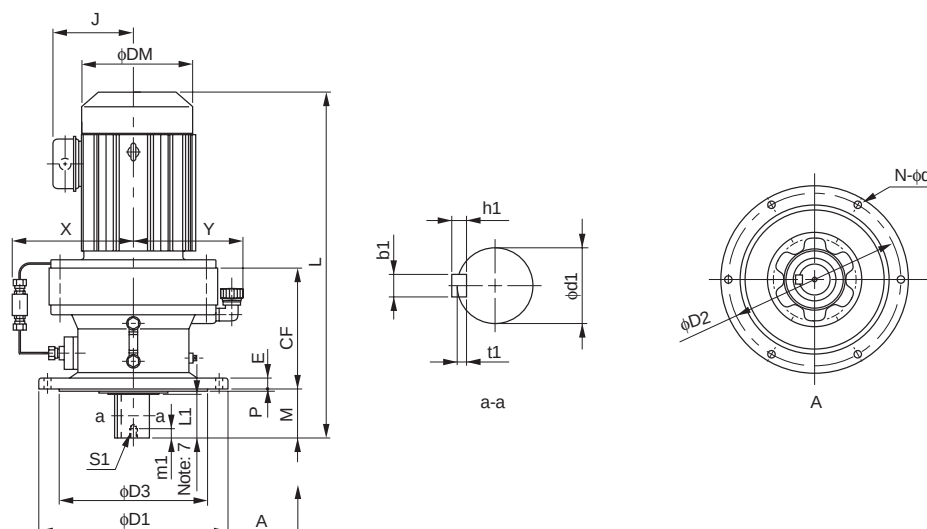
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

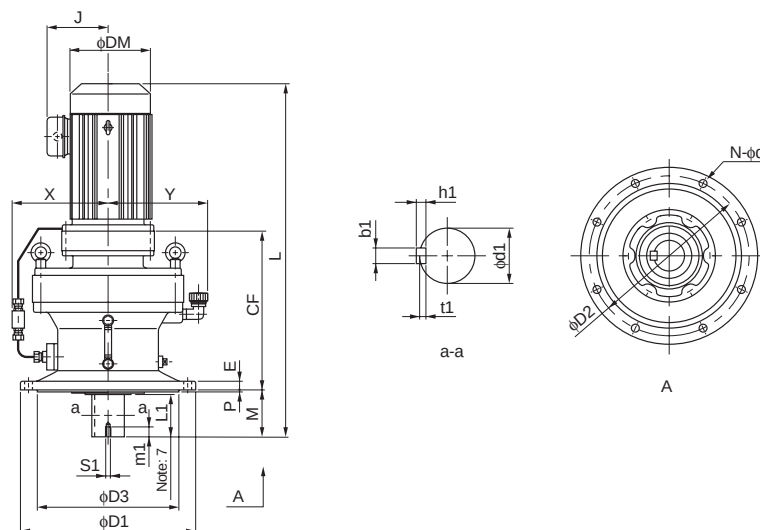
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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} - 616□DC to 618□DB

Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
616□DC	300	340	310	270	89	20	4	6	11	196	200	60	80	18	11	7	M10	18
617□DC	342	400	360	316	94	22	5	8	14	218	225	70	84	20	12	7.5	M12	24
618□DB	386	430	390	345	110	22	5	8	18	233	240	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)
CVVM1H - 616□DC - (B) - Ratio	1.1	4	659	145	160	103	721	145	160	108
CVVM2 - 616□DC - (B) - Ratio	1.5	4	659	145	160	103	721	145	160	108
CVVM3 - 616□DC - (B) - Ratio	2.2	4	679	152	173	107	742	152	173	114
CVVM4 - 616□DC - (B) - Ratio	3.0	4	702	168	212	117	774	168	212	127
CVVM5 - 616□DC - (B) - Ratio	3.7	4	702	168	212	117	774	168	212	127
CVVM8 - 616□DC - (B) - Ratio	5.5	4	746	168	212	127	818	168	212	131
CVVM1H - 617□DC - (B) - Ratio	1.1	4	706	145	160	138	768	145	160	143
CVVM2 - 617□DC - (B) - Ratio	1.5	4	706	145	160	138	768	145	160	143
CVVM3 - 617□DC - (B) - Ratio	2.2	4	726	152	173	142	789	152	173	152
CVVM4 - 617□DC - (B) - Ratio	3.0	4	749	168	212	152	821	168	212	165
CVVM5 - 617□DC - (B) - Ratio	3.7	4	749	168	212	152	821	168	212	165
CVVM8 - 617□DC - (B) - Ratio	5.5	4	793	168	212	162	865	168	212	172
CVVM1H - 618□DB - (B) - Ratio	1.1	4	766	145	160	179	828	145	160	184
CVVM2 - 618□DB - (B) - Ratio	1.5	4	766	145	160	179	828	145	160	184
CVVM3 - 618□DB - (B) - Ratio	2.2	4	786	152	173	183	849	152	173	190
CVVM4 - 618□DB - (B) - Ratio	3.0	4	809	168	212	193	881	168	212	203
CVVM5 - 618□DB - (B) - Ratio	3.7	4	809	168	212	193	881	168	212	203
CVVM8 - 618□DB - (B) - Ratio	5.5	4	853	168	212	200	925	168	212	210
CVVM10 - 618□DB - (B) - Ratio	7.5	4	876	213	251	215	971	213	251	231
CVVM15 - 618□DB - (B) - Ratio	11	4	936	213	251	229	1031	213	251	247

Note: 1. □ indicates motor capacity.

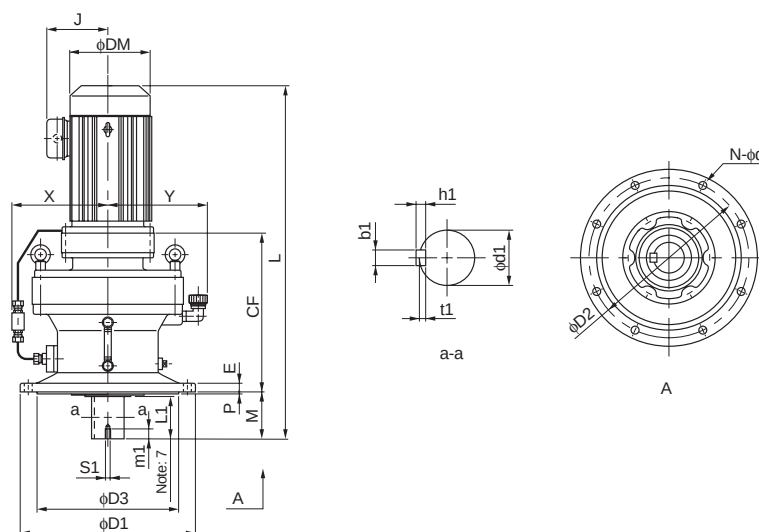
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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} - 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

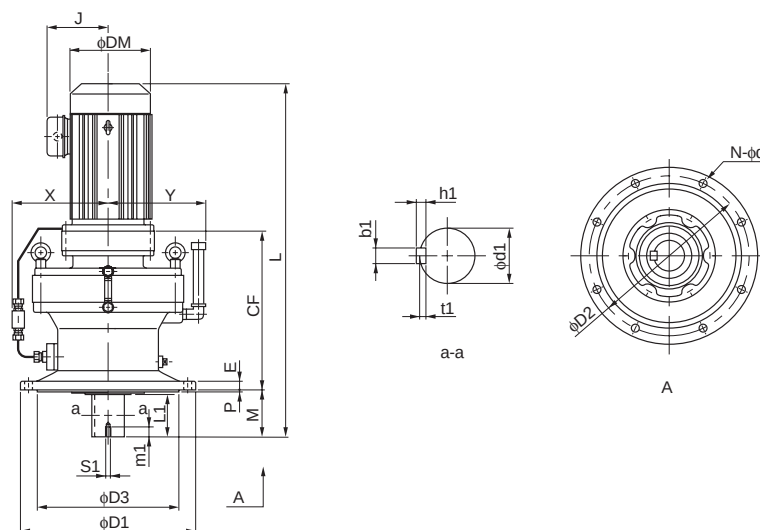
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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.

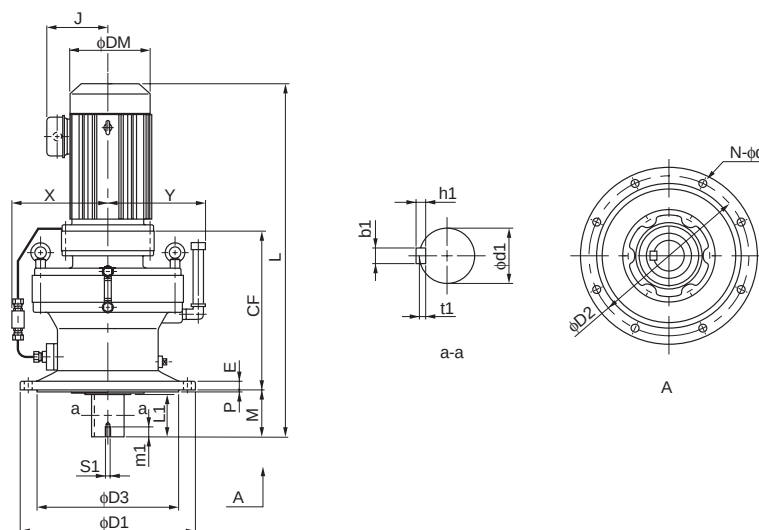
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

CVVM^{Note 1} - 6215DB to 6225DB



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
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

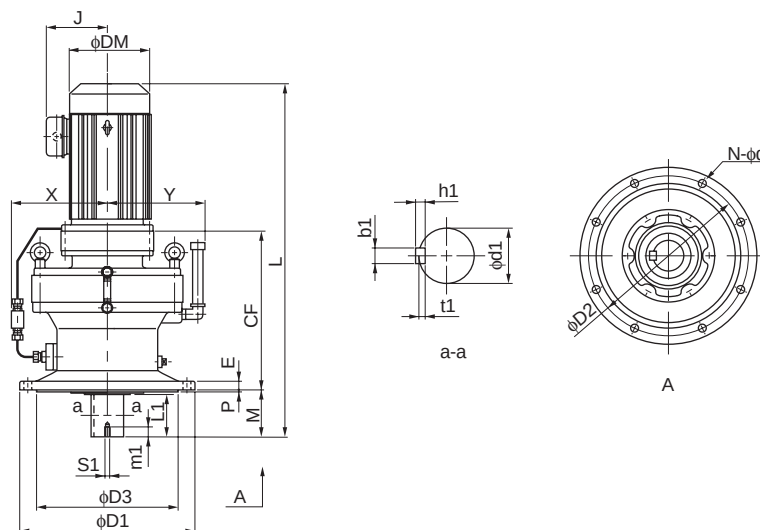
Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM5 - 6215DB - (B) - Ratio		3.7	4	993	168	212	377	1065	168	212	387
CVVM8 - 6215DB - (B) - Ratio		5.5	4	1037	168	212	384	1109	168	212	400
CVVM10 - 6215DB - (B) - Ratio		7.5	4	1060	213	251	400	1155	213	251	417
CVVM15 - 6215DB - (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.

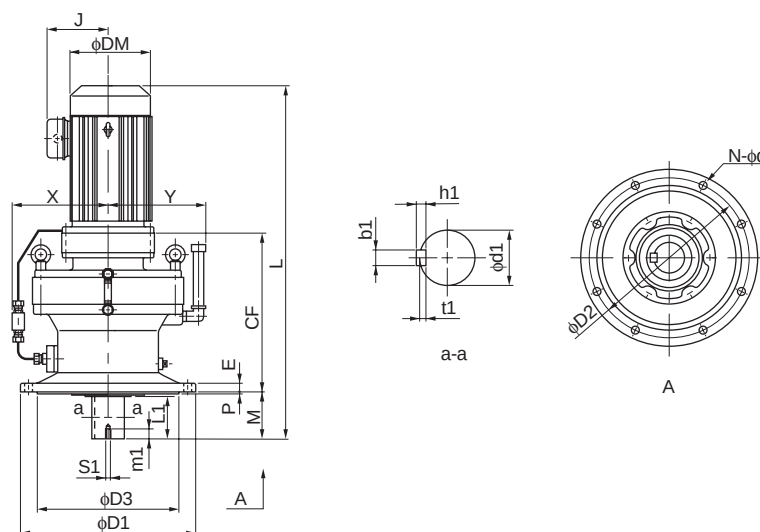
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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



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
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

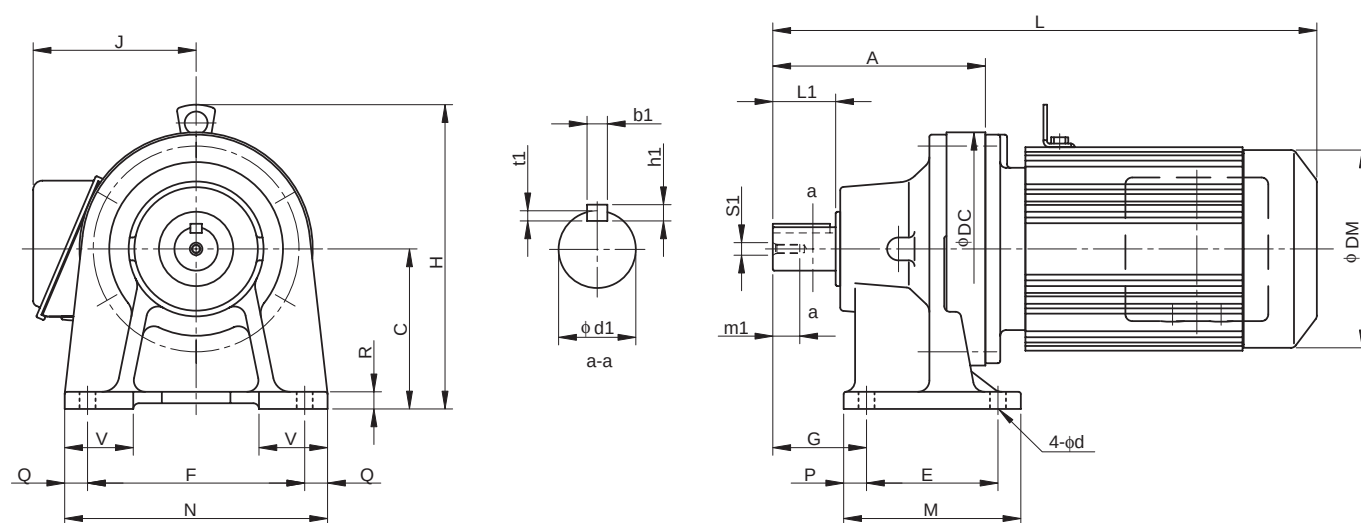
Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM5 - 6255DA - (B) - Ratio		3.7	4	1284	168	212	947	1356	168	212	957
CVVM8 - 6255DA - (B) - Ratio		5.5	4	1328	168	212	954	1400	168	212	964
CVVM10 - 6255DA - (B) - Ratio		7.5	4	1346	213	251	969	1441	213	251	984
CVVM15 - 6255DA - (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 (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

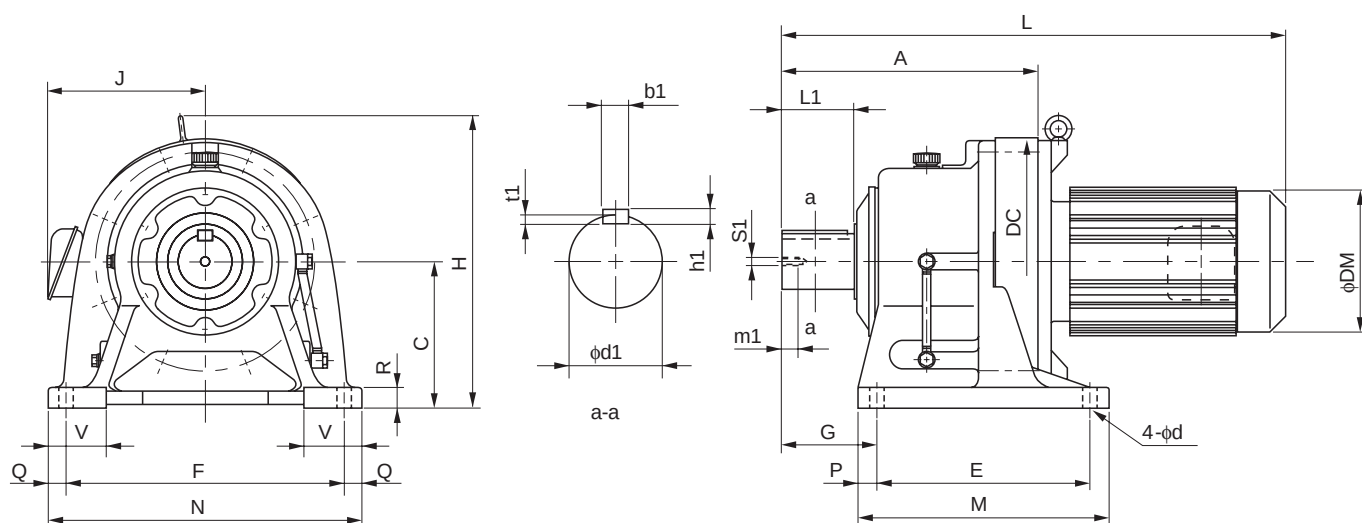
Note: 1. $\square$ indicates motor capacity.

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.