

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

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

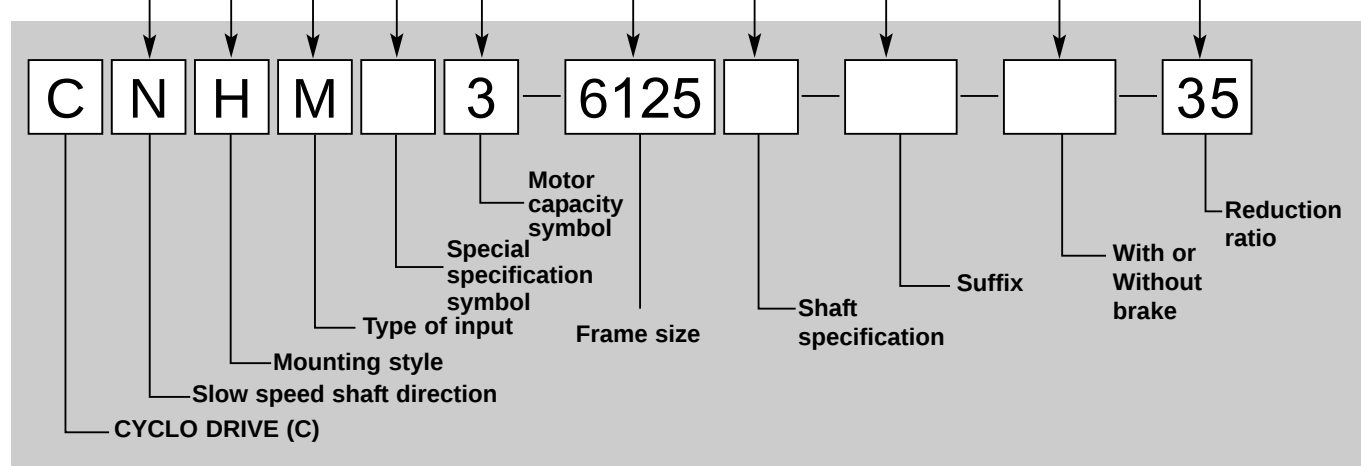
Suffix

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

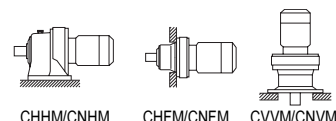
Nominal ratio



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

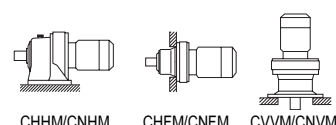
Selection Tables Gearmotors

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



50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
0.235	11300	1150	104000	10600	*1	0.283	11300	1150	104000	10600	*1	2 -	6215DA	- 6177	B-112	B-129	B-148
	15100	1540	145000	14800	*1		15100	1540	145000	14800	*1	2 -	6225DA	- 6177	B-113	B-130	B-149
0.192	11300	1150	104000	10600	*1	0.231	11300	1150	104000	10600	*1	2 -	6215DA	- 7569	B-112	B-129	B-148
	15100	1540	145000	14800	*1		15100	1540	145000	14800	*1	2 -	6225DA	- 7569	B-113	B-130	B-149

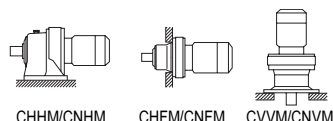
2.2 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Alloeable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Alloeable 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
580	34.4	3.51	2050	209	1.09	700	28.5	2.91	1970	201	1.09	3 -	6090SK	- 2.5 *3	B-98	-	B-133
			2050	209	1.23				1970	201	1.23	3 -	6095SK	- 2.5 *3	B-98	-	B-133
			2050	209	1.45				1970	201	1.45	3 -	6100SK	- 2.5 *3	B-99	-	B-134
			2050	209	1.70				1970	201	1.70	3 -	6105SK	- 2.5 *3	B-99	-	B-134
			2790	284	2.34				2650	270	2.34	3 -	6110SK	- 2.5 *3	B-99	-	B-134
			2790	284	2.93				2650	270	2.93	3 -	6115SK	- 2.5 *3	B-99	-	B-134
483	41.3	4.21	2120	216	1.06	583	34.2	3.49	2040	208	1.06	3 -	6090SK	- 3 *3	B-98	-	B-133
			2120	216	1.20				2040	208	1.20	3 -	6095SK	- 3 *3	B-98	-	B-133
			2120	216	1.50				2040	208	1.50	3 -	6100SK	- 3 *3	B-99	-	B-134
			2120	216	1.76				2040	208	1.76	3 -	6105SK	- 3 *3	B-99	-	B-134
			2960	302	2.40				2820	287	2.40	3 -	6110SK	- 3 *3	B-99	-	B-134
			2960	302	3.00				2820	287	3.00	3 -	6115SK	- 3 *3	B-99	-	B-134
363	55.1	5.61	2300	234	1.06	438	45.6	4.65	2240	228	1.06	3 -	6090SK	- 4 *3	B-98	-	B-133
			2300	234	1.20				2240	228	1.20	3 -	6095SK	- 4 *3	B-98	-	B-133
			2300	234	1.46				2240	228	1.46	3 -	6100SK	- 4 *3	B-99	-	B-134
			2300	234	1.72				2240	228	1.72	3 -	6105SK	- 4 *3	B-99	-	B-134
			3170	323	2.43				3010	307	2.43	3 -	6110SK	- 4 *3	B-99	-	B-134
			3170	323	3.04				3010	307	3.04	3 -	6115SK	- 4 *3	B-99	-	B-134
290	68.8	7.02	2420	247	1.02	350	57.0	5.81	2330	238	1.02	3 -	6090SK	- 5 *3	B-98	-	B-133
			2420	247	1.20				2330	238	1.20	3 -	6095SK	- 5 *3	B-98	-	B-133
			2420	247	1.43				2330	238	1.43	3 -	6100SK	- 5 *3	B-99	-	B-134
			2420	247	1.68				2330	238	1.68	3 -	6105SK	- 5 *3	B-99	-	B-134
			3330	339	2.09				3180	324	2.09	3 -	6110SK	- 5 *3	B-99	-	B-134
			3330	339	2.62				3180	324	2.62	3 -	6115SK	- 5 *3	B-99	-	B-134
242	82.6	8.42	2410	246	1.03	292	68.4	6.98	2370	242	1.03	3 -	6095SK	- 6 *3	B-98	-	B-133
			2410	246	1.21				2370	242	1.21	3 -	6100SK	- 6 *3	B-99	-	B-134
			2410	246	1.43				2370	242	1.43	3 -	6105SK	- 6 *3	B-99	-	B-134
			3520	359	1.92				3370	344	1.92	3 -	6110SK	- 6 *3	B-99	-	B-134
			3520	359	2.40				3370	344	2.40	3 -	6115SK	- 6 *3	B-99	-	B-134
			4090	417	1.07				3860	393	1.07	3 -	6100	- 6	B-101	B-117	B-136
			4090	417	1.45				3860	393	1.45	3 -	6105	- 6	B-101	B-117	B-136
			4640	473	1.61				4370	445	1.61	3 -	6110	- 6	B-101	B-117	B-136
			4640	473	1.78				4370	445	1.78	3 -	6115	- 6	B-101	B-117	B-136
			5260	536	2.30				4950	505	2.30	3 -	6120	- 6	B-101	B-117	B-136

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.

Selection Tables Gearmotors



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

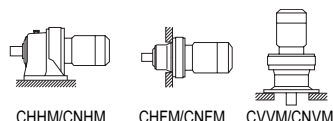
50Hz					60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
181	110	11.2	2540	259	219	91.2	9.30	2500	255	3 - 6095SK	- 8	*3	B-98	-	B-133
			2540	259				2500	255	3 - 6105SK	- 8	*3	B-99	-	B-134
			3730	380				3580	365	3 - 6110SK	- 8	*3	B-99	-	B-134
			3730	380				3580	365	3 - 6115SK	- 8	*3	B-99	-	B-134
			4560	465				4300	438	3 - 6100	- 8		B-101	B-117	B-136
			4560	465				4300	438	3 - 6105	- 8		B-101	B-117	B-136
			5170	527				4870	496	3 - 6110	- 8		B-101	B-117	B-136
			5170	527				4870	496	3 - 6115	- 8		B-101	B-117	B-136
			5870	598				5520	563	3 - 6120	- 8		B-101	B-117	B-136
145	138	14.0	2610	266	175	114	11.6	2580	263	3 - 6095SK	- 10	*3	B-98	-	B-133
			2610	266				2580	263	3 - 6105SK	- 10	*3	B-99	-	B-134
			3960	404				3820	389	3 - 6110SK	- 10	*3	B-99	-	B-134
			3960	404				3820	389	3 - 6115SK	- 10	*3	B-99	-	B-134
132	151	15.4	5170	527	159	125	12.8	4870	497	3 - 6100	- 11		B-101	B-117	B-136
			5170	527				4870	497	3 - 6105	- 11		B-101	B-117	B-136
			5900	601				5560	567	3 - 6110	- 11		B-101	B-117	B-136
			5900	601				5560	567	3 - 6115	- 11		B-101	B-117	B-136
			6670	680				6280	640	3 - 6120	- 11		B-101	B-117	B-136
			6670	680				6280	640	3 - 6125	- 11		B-101	B-117	B-136
112	179	18.2	5360	547	135	148	15.1	5060	516	3 - 6100	- 13		B-101	B-117	B-136
			5360	547				5060	516	3 - 6105	- 13		B-101	B-117	B-136
			6090	621				5740	586	3 - 6110	- 13		B-101	B-117	B-136
			6090	621				5740	586	3 - 6115	- 13		B-101	B-117	B-136
			6890	702				6490	662	3 - 6120	- 13		B-101	B-117	B-136
			6890	702				6490	662	3 - 6125	- 13		B-101	B-117	B-136
96.7	206	21.0	5400	550	117	171	17.4	5340	544	3 - 6100	- 15		B-101	B-117	B-136
			5400	550				5340	544	3 - 6105	- 15		B-101	B-117	B-136
			6490	662				6120	624	3 - 6110	- 15		B-101	B-117	B-136
			6490	662				6120	624	3 - 6115	- 15		B-101	B-117	B-136
			7390	753				6960	710	3 - 6120	- 15		B-101	B-117	B-136
			7390	753				6960	710	3 - 6125	- 15		B-101	B-117	B-136
85.3	234	23.9	5400	550	103	194	19.8	5400	550	3 - 6105	- 17		B-101	B-117	B-136
			6550	668				6180	630	3 - 6110	- 17		B-101	B-117	B-136
			6550	668				6180	630	3 - 6115	- 17		B-101	B-117	B-136
			7460	760				7030	716	3 - 6120	- 17		B-101	B-117	B-136
			7460	760				7030	716	3 - 6125	- 17		B-101	B-117	B-136
69.0	289	29.5	5400	550	83.3	240	24.4	5400	550	3 - 6105	- 21		B-101	B-117	B-136
			6920	706				6540	667	3 - 6110	- 21		B-101	B-117	B-136
			6920	706				6540	667	3 - 6115	- 21		B-101	B-117	B-136
			8180	834				7710	786	3 - 6120	- 21		B-101	B-117	B-136
			8180	834				7710	786	3 - 6125	- 21		B-101	B-117	B-136
			9580	976				9020	919	3 - 6130	- 21		B-102	B-118	B-137
58.0	344	35.1	7010	715	70.0	285	29.1	6620	675	3 - 6115	- 25		B-101	B-117	B-136
			8560	873				8070	823	3 - 6120	- 25		B-101	B-117	B-136
			8560	873				8070	823	3 - 6125	- 25		B-101	B-117	B-136
			9950	1010				9370	955	3 - 6130	- 25		B-102	B-118	B-137
			9950	1010				9370	955	3 - 6135	- 25		B-102	B-118	B-137
50.0	399	40.7	7160	730	60.3	331	33.7	6800	693	3 - 6115	- 29		B-101	B-117	B-136
			8880	905				8380	854	3 - 6120	- 29		B-101	B-117	B-136
			8880	905				8380	854	3 - 6125	- 29		B-101	B-117	B-136
			10500	1070				9850	1000	3 - 6130	- 29		B-102	B-118	B-137
			10500	1070				9850	1000	3 - 6135	- 29		B-102	B-118	B-137
			15000	1530				14200	1450	3 - 6140	- 29		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 "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

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

Selection Tables Gearmotors



2.2 kW

n₁: 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
12.0	940	95.8	14700	1500	*1	14.5	940	95.8	14700	1500	*1	3 -	6135DC	- 121	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	3 -	6140DC	- 121	B-109	B-125	B-144
	1290	132	16000	1630	*1		1290	132	16000	1630	*1	3 -	6145DC	- 121	B-109	B-125	B-144
			15300	1560	0.82				16000	1630	0.98	3 -	6145DC	- 121	B-109	B-125	B-144
			22100	2250	1.11				22100	2250	1.34	3 -	6160DB	- 121	B-110	B-126	B-145
			22100	2250	1.11				22100	2250	1.34	3 -	6160DC	- 121	B-111	B-127	B-146
			22100	2250	1.33				22100	2250	1.53	3 -	6165DB	- 121	B-110	B-126	B-145
	1580	161	22100	2250	1.33		1310	133	22100	2250	1.61	3 -	6165DC	- 121	B-111	B-127	B-146
			29500	3010	1.53				29500	3010	1.53	3 -	6170DB	- 121	B-110	B-126	B-145
			29500	3010	1.60				29500	3010	1.94	3 -	6170DC	- 121	B-111	B-127	B-146
			29500	3010	2.00				29500	3010	2.41	3 -	6175DC	- 121	B-111	B-127	B-146
			41700	4250	2.57				41300	4210	3.11	3 -	6180DB	- 121	B-111	B-127	B-146
10.1	1230	125	16000	1630	*1	12.2	1230	125	16000	1630	*1	3 -	6140DC	- 143	B-109	B-125	B-144
	1370	140	15900	1620	*1		1370	140	15900	1620	*1	3 -	6145DC	- 143	B-109	B-125	B-144
			22100	2250	1.13				22100	2250	1.36	3 -	6165DB	- 143	B-110	B-126	B-145
			29500	3010	1.35				29500	3010	1.53	3 -	6170DB	- 143	B-110	B-126	B-145
			29500	3010	1.35				29500	3010	1.64	3 -	6170DC	- 143	B-111	B-127	B-146
	1860	190	29500	3010	1.53		1550	158	29500	3010	1.53	3 -	6175DB	- 143	B-110	B-126	B-145
			29500	3010	1.69				29500	3010	2.04	3 -	6175DC	- 143	B-111	B-127	B-146
			41700	4250	2.18				41700	4250	2.63	3 -	6180DB	- 143	B-111	B-127	B-146
			41700	4250	2.63				41700	4250	3.17	3 -	6185DB	- 143	B-111	B-127	B-146
			59000	6010	2.84				59000	6010	2.84	3 -	6190DA	- 143	B-111	B-128	B-147
8.79	1230	125	16000	1630	*1	10.6	1230	125	16000	1630	*1	3 -	6140DC	- 165	B-109	B-125	B-144
	1360	138	16000	1630	*1		1360	138	16000	1630	*1	3 -	6145DC	- 165	B-109	B-125	B-144
	1760	179	22100	2250	*1		1760	179	22100	2250	*1	3 -	6160DB	- 165	B-110	B-126	B-145
			22100	2250	0.98				22100	2250	1.18	3 -	6165DB	- 165	B-110	B-126	B-145
			29500	3010	1.18				29500	3010	1.42	3 -	6170DB	- 165	B-110	B-126	B-145
			29500	3010	1.46				29500	3010	1.53	3 -	6175DB	- 165	B-110	B-126	B-145
	2150	219	29500	3010	1.46		1780	182	29500	3010	1.77	3 -	6175DC	- 165	B-111	B-127	B-146
			41700	4250	1.53				41700	4250	1.53	3 -	6180DA	- 165	B-110	B-126	B-145
			41700	4250	1.89				41700	4250	2.28	3 -	6180DB	- 165	B-111	B-127	B-146
			41700	4250	2.29				41700	4250	2.76	3 -	6185DB	- 165	B-111	B-127	B-146
7.44	1760	179	22100	2250	*1	8.97	1760	179	22100	2250	*1	3 -	6160DB	- 195	B-110	B-126	B-145
	2100	214	22100	2250	*1		2100	214	22100	2250	*1	3 -	6165DB	- 195	B-110	B-126	B-145
			22100	2250	0.83				22100	2250	1.00	3 -	6165DB	- 195	B-110	B-126	B-145
			29500	3010	0.98				29500	3010	1.20	3 -	6170DB	- 195	B-110	B-126	B-145
			29500	3010	1.24				29500	3010	1.50	3 -	6175DB	- 195	B-110	B-126	B-145
	2540	259	41700	4250	1.53		2110	215	41700	4250	1.53	3 -	6180DA	- 195	B-110	B-126	B-145
			41700	4250	1.60				41700	4250	1.93	3 -	6180DB	- 195	B-111	B-127	B-146
			41700	4250	1.94				41700	4250	2.34	3 -	6185DB	- 195	B-111	B-127	B-146
			59000	6010	2.51				59000	6010	2.84	3 -	6190DA	- 195	B-111	B-128	B-147
			59000	6010	2.51				59000	6010	3.03	3 -	6190DB	- 195	B-112	B-128	B-147
			59000	6010	2.56				59000	6010	2.84	3 -	6195DA	- 195	B-111	B-128	B-147
			84100	8570	2.84				84100	8570	2.84	3 -	6205DA	- 195	B-112	B-129	B-148

GEARMOTORS

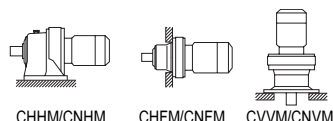
Selection Tables
2.2 kW

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

Selection Tables Gearmotors

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

Selection Tables Gearmotors

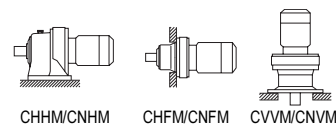


2.2 kW		n ₁ : Motor Speed			
		Hz		50Hz	
		P		4	6
		n ₁	r/min	1450	980
				1750	1165

50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
2.23	5000	510	41600	4240	*1	2.70	5000	510	41600	4240	*1	3 -	6185DA	- 649	B-110	B-126	B-145
	6380	650	58600	5970	*1		6380	650	58600	5970	*1	3 -	6190DA	- 649	B-111	B-128	B-147
			58000	5910	0.94				58400	5950	1.14	3 -	6195DA	- 649	B-111	B-128	B-147
			84100	8570	0.98				84100	8570	1.11	3 -	6205DA	- 649	B-112	B-129	B-148
			84100	8570	1.10				84100	8570	1.33	3 -	6205DB	- 649	B-112	B-129	B-148
	8460	863	104000	10600	1.49		7010	715	104000	10600	1.80	3 -	6215DA	- 649	B-112	B-129	B-148
			145000	14800	1.88				145000	14800	2.26	3 -	6225DA	- 649	B-113	B-130	B-149
			179000	18200	2.42				179000	18200	2.92	3 -	6235DA	- 649	B-114	B-131	B-150
1.98	6380	650	59000	6010	*1	2.39	6380	650	59000	6010	*1	3 -	6190DA	- 731	B-111	B-128	B-147
			58500	5970	0.84				59000	6010	1.01	3 -	6195DA	- 731	B-111	B-128	B-147
			84100	8570	0.98				84100	8570	1.15	3 -	6205DA	- 731	B-112	B-129	B-148
			84100	8570	0.98				84100	8570	1.18	3 -	6205DB	- 731	B-112	B-129	B-148
	9530	972	104000	10600	1.33		7900	805	104000	10600	1.60	3 -	6215DA	- 731	B-112	B-129	B-148
			145000	14800	1.68				145000	14800	2.03	3 -	6225DA	- 731	B-113	B-130	B-149
			179000	18200	2.15				179000	18200	2.60	3 -	6235DA	- 731	B-114	B-131	B-150
			208000	21200	2.71				208000	21200	3.27	3 -	6245DA	- 731	B-114	B-131	B-150
1.72	6380	650	59000	6010	*1	2.08	6380	650	59000	6010	*1	3 -	6190DA	- 841	B-111	B-128	B-147
	7960	811	59000	6010	*1		7960	811	59000	6010	*1	3 -	6195DA	- 841	B-111	B-128	B-147
			84100	8570	0.84				84100	8570	1.02	3 -	6205DA	- 841	B-112	B-129	B-148
			104000	10600	1.15				104000	10600	1.39	3 -	6215DA	- 841	B-112	B-129	B-148
	11000	1120	145000	14800	1.37		9090	926	145000	14800	1.65	3 -	6225DA	- 841	B-113	B-130	B-149
			179000	18200	1.72				179000	18200	2.08	3 -	6235DA	- 841	B-114	B-131	B-150
			208000	21200	2.35				208000	21200	2.84	3 -	6245DA	- 841	B-114	B-131	B-150
1.45	7960	811	58100	5930	*1	1.74	7960	811	58100	5930	*1	3 -	6195DA	- 1003	B-111	B-128	B-147
	9300	948	84100	8570	*1		9060	923	84100	8570	*1	3 -	6205DA	- 1003	B-112	B-129	B-148
			104000	10600	0.97				104000	10600	1.17	3 -	6215DA	- 1003	B-112	B-129	B-148
			145000	14800	1.21				145000	14800	1.46	3 -	6225DA	- 1003	B-113	B-130	B-149
	13100	1330	179000	18200	1.57		10800	1100	179000	18200	1.89	3 -	6235DA	- 1003	B-114	B-131	B-150
			208000	21200	1.97				208000	21200	2.38	3 -	6245DA	- 1003	B-114	B-131	B-150
1.16	9300	948	84100	8570	*1	1.40	9300	948	84100	8570	*1	3 -	6205DA	- 1247	B-112	B-129	B-148
	12700	1290	104000	10600	*1		12700	1290	104000	10600	*1	3 -	6215DA	- 1247	B-112	B-129	B-148
			145000	14800	0.98				145000	14800	1.19	3 -	6225DA	- 1247	B-113	B-130	B-149
	16300	1660	179000	18200	1.26		13500	1370	179000	18200	1.52	3 -	6235DA	- 1247	B-114	B-131	B-150
			208000	21200	1.59				208000	21200	1.91	3 -	6245DA	- 1247	B-114	B-131	B-150
0.980	11300	1150	104000	10600	*1	1.18	11300	1150	104000	10600	*1	3 -	6215DA	- 1479	B-112	B-129	B-148
	15100	1540	145000	14800	*1		15100	1540	145000	14800	*1	3 -	6225DA	- 1479	B-113	B-130	B-149
			179000	18200	0.89				179000	18200	1.07	3 -	6235DA	- 1479	B-114	B-131	B-150
	19300	1970	208000	21200	1.17		16000	1630	208000	21200	1.42	3 -	6245DA	- 1479	B-114	B-131	B-150
	16000	1630	145000	14800	*1		16000	1630	145000	14800	*1	3 -	6225DA	- 1849	B-113	B-130	B-149
			179000	18200	0.85				179000	18200	1.03	3 -	6235DA	- 1849	B-114	B-131	B-150
	24100	2460	208000	21200	1.07		20000	2040	208000	21200	1.29	3 -	6245DA	- 1849	B-114	B-131	B-150
0.702	15900	1620	145000	14800	*1	0.847	15900	1620	145000	14800	*1	3 -	6225DA	- 2065	B-113	B-130	B-149
	20500	2090	179000	18200	*1		20500	2090	179000	18200	*1	3 -	6235DA	- 2065	B-114	B-131	B-150
			26900	2750	0.96				22300	2270	1.16	3 -	6245DA	- 2065	B-114	B-131	B-150
	20500	2090	179000	18200	*1		20500	2090	179000	18200	*1	3 -	6235DA	- 2537	B-114	B-131	B-150
	25800	2630	208000	21200	*1		25800	2630	208000	21200	*1	3 -	6245DA	- 2537	B-114	B-131	B-150
	17200	1750	179000	18200	*1		17200	1750	179000	18200	*1	3 -	6235DA	- 3045	B-114	B-131	B-150
	22600	2310	208000	21200	*1		22600	2310	208000	21200	*1	3 -	6245DA	- 3045	B-114	B-131	B-150
0.476	20500	2090	179000	18200	*1	0.503	20500	2090	179000	18200	*1	3 -	6235DA	- 3481	B-114	B-131	B-150
	25800	2630	208000	21200	*1		25800	2630	208000	21200	*1	3 -	6245DA	- 3481	B-114	B-131	B-150
	17200	1750	179000	18200	*1		17200	1750	179000	18200	*1	3 -	6235DA	- 4437	B-114	B-131	B-150
	22600	2310	208000	21200	*1		22600	2310	208000	21200	*1	3 -	6245DA	- 4437	B-114	B-131	B-150
	20500	2090	179000	18200	*1		20500	2090	179000	18200	*1	3 -	6235DA	- 5133	B-114	B-131	B-150
	25800	2630	208000	21200	*1		25800	2630	208000	21200	*1	3 -	6245DA	- 5133	B-114	B-131	B-150
0.235	17200	1750	179000	18200	*1	0.283	17200	1750	179000	18200	*1	3 -	6235DA	- 6177	B-114	B-131	B-150
	22600	2310	208000	21200	*1		2260										

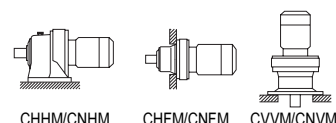
Selection Tables Gearmotors

2.2 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
0.192	17200	1750	179000	18200	*1	0.231	17200	1750	179000	18200	*1	3 -	6235DA	- 7569	B-114	B-131	B-150
	22600	2310	208000	21200	*1		22600	2310	208000	21200	*1	3 -	6245DA	- 7569	B-114	B-131	B-150

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

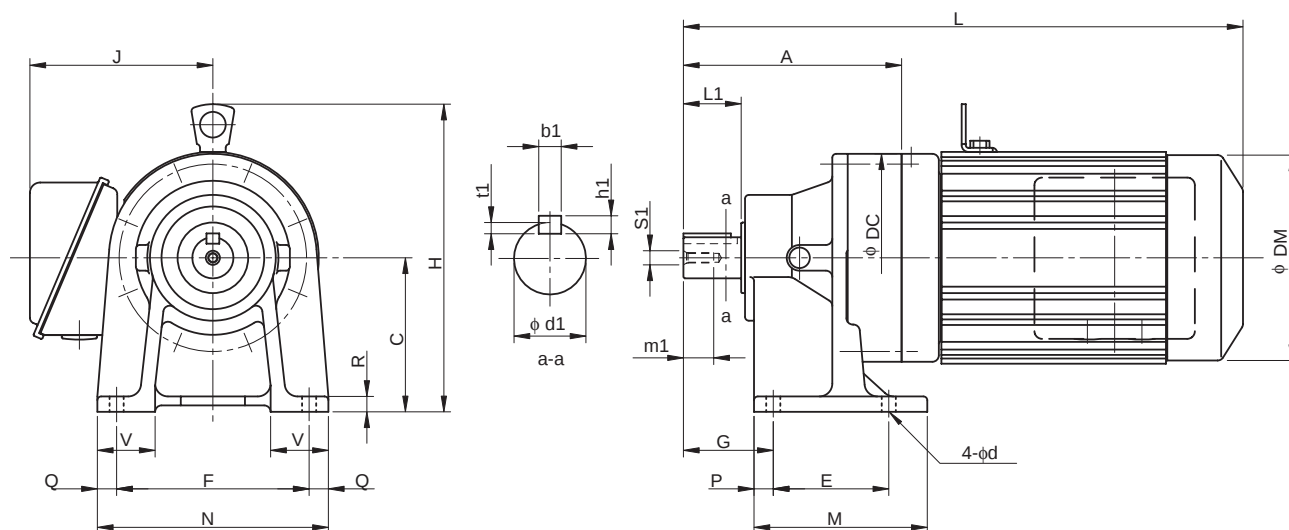


50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
580	46.9	4.78	1930	197	1.06	700	38.9	3.96	1870	191	1.06	4 -	6100SK	- 2.5 *3	B-99	-	B-134
			1930	197	1.25				1870	191	1.25	4 -	6105SK	- 2.5 *3	B-99	-	B-134
			2700	275	1.72				2570	262	1.72	4 -	6110SK	- 2.5 *3	B-99	-	B-134
			2700	275	2.15				2570	262	2.15	4 -	6115SK	- 2.5 *3	B-99	-	B-134
483	56.3	5.74	1980	202	1.10	583	46.7	4.76	1920	196	1.10	4 -	6100SK	- 3 *3	B-99	-	B-134
			1980	202	1.29				1920	196	1.29	4 -	6105SK	- 3 *3	B-99	-	B-134
			2850	291	1.76				2730	278	1.76	4 -	6110SK	- 3 *3	B-99	-	B-134
			2850	291	2.20				2730	278	2.20	4 -	6115SK	- 3 *3	B-99	-	B-134
363	75.1	7.65	2130	217	1.07	583	62.2	6.34	2080	212	1.07	4 -	6100SK	- 4 *3	B-99	-	B-134
			2130	217	1.26				2080	212	1.26	4 -	6105SK	- 4 *3	B-99	-	B-134
			3040	310	1.78				2900	296	1.78	4 -	6110SK	- 4 *3	B-99	-	B-134
			3040	310	2.23				2900	296	2.23	4 -	6115SK	- 4 *3	B-99	-	B-134
290	93.9	9.57	2210	225	1.23	350	77.8	7.93	2160	220	1.23	4 -	6105SK	- 5 *3	B-99	-	B-134
			3180	324	1.54				3040	310	1.26	4 -	6110SK	- 5 *3	B-99	-	B-134
			3180	324	1.92				3040	310	1.78	4 -	6115SK	- 5 *3	B-99	-	B-134
242	113	11.5	2190	223	1.05	292	93.3	9.51	2160	220	1.05	4 -	6105SK	- 6 *3	B-99	-	B-134
			3330	339	1.41				3210	327	1.41	4 -	6110SK	- 6 *3	B-99	-	B-134
			3330	339	1.76				3210	327	1.76	4 -	6115SK	- 6 *3	B-99	-	B-134
			4610	470	1.18				4340	443	1.18	4 -	6110	- 6	B-101	B-117	B-136
			4610	470	1.31				4340	443	1.31	4 -	6115	- 6	B-101	B-117	B-136
			5230	534	1.69				4930	502	1.69	4 -	6120	- 6	B-101	B-117	B-136
181	150	15.3	5230	534	2.32	219	124	12.7	4930	502	1.94	4 -	6125	- 6	B-101	B-117	B-136
			2170	221	0.83				2190	223	0.83	4 -	6105SK	- 8 *3	B-99	-	B-134
			3470	354	1.23				3370	344	1.23	4 -	6110SK	- 8 *3	B-99	-	B-134
			3470	354	1.54				3370	344	1.54	4 -	6115SK	- 8 *3	B-99	-	B-134
			5130	523	1.18				4830	493	1.18	4 -	6110	- 8	B-101	B-117	B-136
			5130	523	1.31				4830	493	1.31	4 -	6115	- 8	B-101	B-117	B-136
145	188	19.1	5830	595	1.69	175	156	15.9	5490	560	1.69	4 -	6120	- 8	B-101	B-117	B-136
			5830	595	2.32				5490	560	2.32	4 -	6125	- 8	B-101	B-117	B-136
			3650	372	1.02				3550	362	1.02	4 -	6110SK	- 10 *3	B-99	-	B-134
			3650	372	1.27				3550	362	1.27	4 -	6115SK	- 10 *3	B-99	-	B-134
132	206	21.0	5840	595	1.18	159	171	17.4	5510	561	1.18	4 -	6110	- 11	B-101	B-117	B-136
			5840	595	1.31				5510	561	1.31	4 -	6115	- 11	B-101	B-117	B-136
			6620	675	1.69				6240	636	1.69	4 -	6120	- 11	B-101	B-117	B-136
			6620	675	1.97				6240	636	1.97	4 -	6125	- 11	B-101	B-117	B-136

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 (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 610□ to 612□



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

Model Note 4, 5	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CNHM02 - 610□ - (B) - Ratio	0.2	4	336	207	130	124	18		364	207	130	124	20	
CNHM03 - 610□ - (B) - Ratio	0.25	4	336	207	130	124	18		364	207	130	124	20	
CNHM05 - 610□ - (B) - Ratio	0.4	4	352	207	130	124	19		384	207	130	124	21	
CNHM08 - 610□ - (B) - Ratio	0.55	4	393	213	140	148	23		436	213	140	148	26	
CNHM1 - 610□ - (B) - Ratio	0.75	4	393	213	140	148	23		436	213	140	148	26	
CNHM1H - 610□ - (B) - Ratio	1.1	4	426	220	145	160	27		488	220	145	160	32	
CNHM2 - 610□ - (B) - Ratio	1.5	4	426	220	145	160	27		488	220	145	160	32	
CNHM3 - 610□ - (B) - Ratio	2.2	4	446	226	152	173	31		509	226	152	173	37	
CNHM05 - 611□ - (B) - Ratio	0.4	4	363	236	130	124	20		394	236	130	124	21	
CNHM08 - 611□ - (B) - Ratio	0.55	4	403	236	140	148	23		452	236	140	148	26	
CNHM1 - 611□ - (B) - Ratio	0.75	4	403	236	140	148	23		452	236	140	148	26	
CNHM1H - 611□ - (B) - Ratio	1.1	4	436	240	145	160	26		493	240	145	160	31	
CNHM2 - 611□ - (B) - Ratio	1.5	4	436	240	145	160	26		493	240	145	160	31	
CNHM3 - 611□ - (B) - Ratio	2.2	4	456	246	152	173	30		519	246	152	173	36	
CNHM4 - 611□ - (B) - Ratio	3.0	4	491	266	168	212	40		563	266	168	212	50	
CNHM5 - 611□ - (B) - Ratio	3.7	4	491	266	168	212	40		563	266	168	212	50	
CNHM05 - 612□ - (B) - Ratio	0.4	4	387	257	130	124	30		419	257	130	124	32	
CNHM08 - 612□ - (B) - Ratio	0.55	4	423	233	140	148	32		466	233	140	148	35	
CNHM1 - 612□ - (B) - Ratio	0.75	4	423	233	140	148	32		466	233	140	148	35	
CNHM1H - 612□ - (B) - Ratio	1.1	4	456	240	145	160	36		518	240	145	160	41	
CNHM2 - 612□ - (B) - Ratio	1.5	4	456	240	145	160	36		518	240	145	160	41	
CNHM3 - 612□ - (B) - Ratio	2.2	4	476	246	152	173	40		539	246	152	173	47	
CNHM4 - 612□ - (B) - Ratio	3.0	4	499	266	168	212	50		571	266	168	212	60	
CNHM5 - 612□ - (B) - Ratio	3.7	4	499	266	168	212	50		571	266	168	212	60	
CNHM8 - 612□ - (B) - Ratio	5.5	4	543	266	168	212	57		615	266	168	212	67	

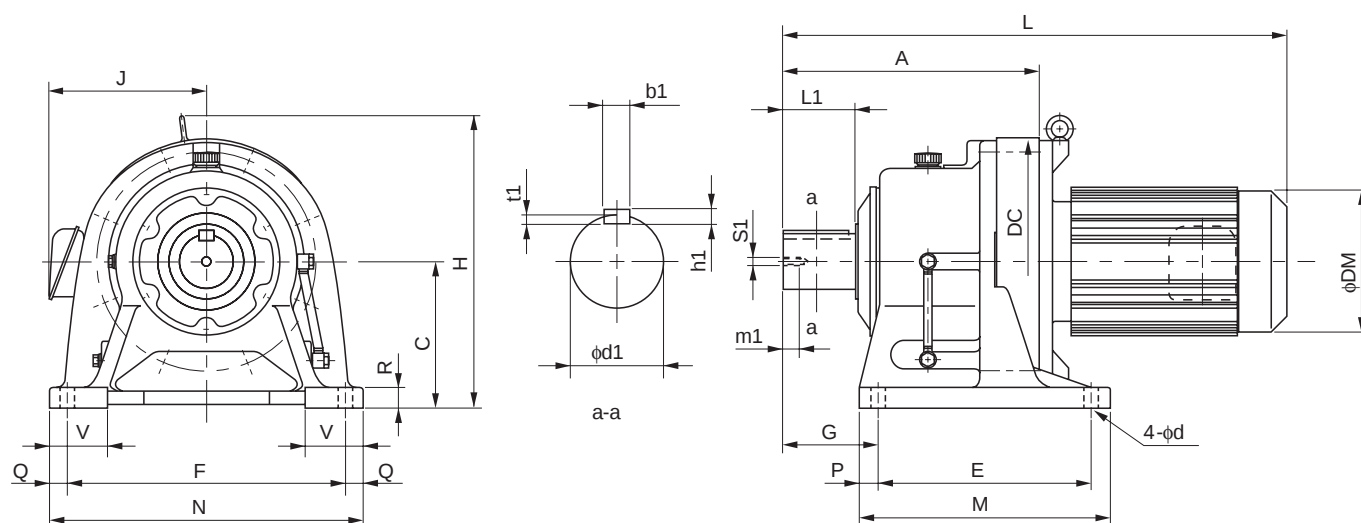
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 613[□] to 614[□]

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

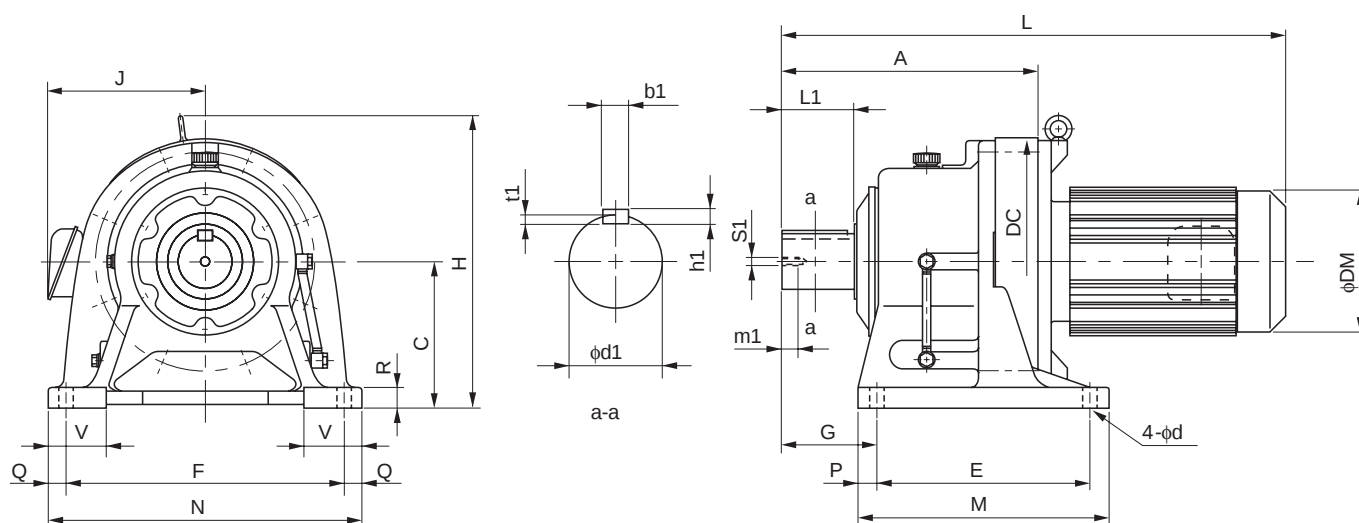
Model Note 4, 5	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM08 - 613 [□] - (B) - Ratio	0.55	4	477	265	140	148	51		520	265	140	148	54
CHHM1 - 613 [□] - (B) - Ratio	0.75	4	477	265	140	148	51		520	265	140	148	54
CHHM1H - 613 [□] - (B) - Ratio	1.1	4	510	268	145	160	55		572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

Note: 1. [□] indicates motor capacity.

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 616□ to 617□

GEARMOTORS

Dimension Tables
CHHM

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

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

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

Refer to pages B-152 and B-153 for center height options.

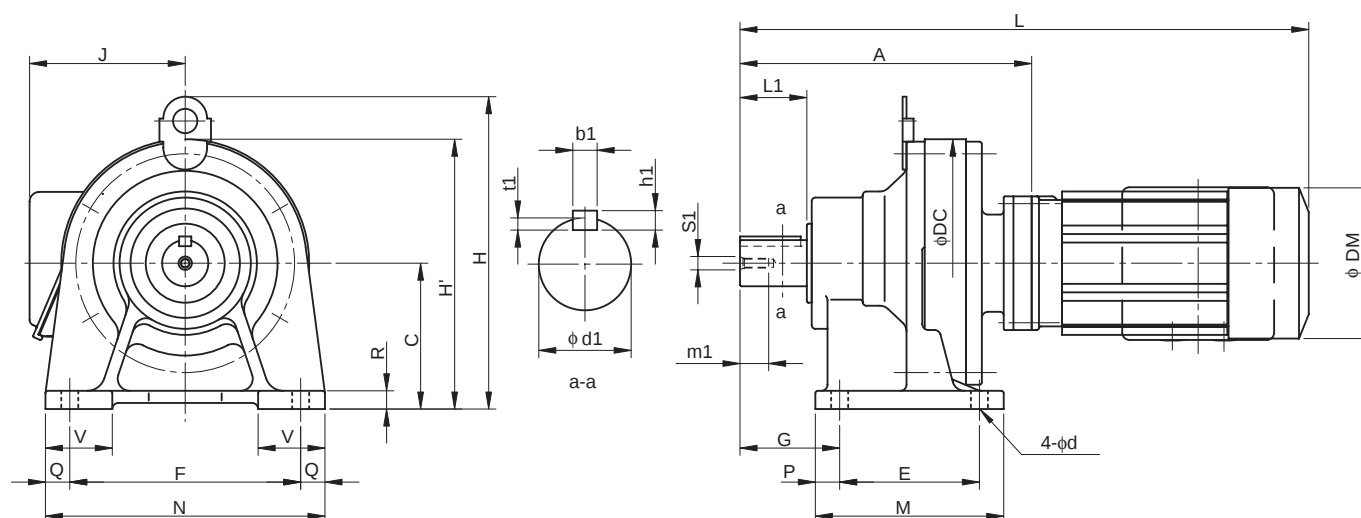
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 606□DA to 612□DB

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
606□DA	125	80	110	60	120	41	84	144	12	12	10	35	9	14	25	5	5	3	M5	16
607□DA	131	80	110	60	120	47	84	144	12	12	10	35	9	18	30	6	6	3.5	M6	16
609□DA	190	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20
610□DA	204	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20
612□DA	240	120	204	115	190	82	155	230	20	20	15	55	14	38	55	10	8	5	M8	20
612□DB	252	120	204	115	190	82	155	230	20	20	15	55	14	38	55	10	8	5	M8	20

Model Note 4, 5	Motor		Standard							With Brake						
	kW	P	L	H	H'	J	DM	W(kg)		L	H	H'	J	DM	W(kg)	
CNHM01 - 606□DA - (B) - Ratio	0.1	4	287	-	140	130	119	9		294	-	138	130	124	10	
CNHM01 - 607□DA - (B) - Ratio	0.1	4	293	-	140	130	119	9		300	-	138	130	124	10	
CNHM02 - 607□DA - (B) - Ratio	0.2	4	311	-	140	130	124	10		339	-	138	130	124	11	
CNHM01 - 609□DA - (B) - Ratio	0.1	4	352	207	-	130	119	17		359	207	-	130	124	18	
CNHM02 - 609□DA - (B) - Ratio	0.2	4	370	207	-	130	124	18		398	207	-	130	124	19	
CNHM03 - 609□DA - (B) - Ratio	0.25	4	370	207	-	130	124	18		398	207	-	130	124	19	
CNHM05 - 609□DA - (B) - Ratio	0.4	4	386	207	-	130	124	19		418	207	-	130	124	20	
CNHM01 - 610□DA - (B) - Ratio	0.1	4	366	207	-	130	119	19		373	207	-	130	124	20	
CNHM02 - 610□DA - (B) - Ratio	0.2	4	384	207	-	130	124	20		412	207	-	130	124	21	
CNHM03 - 610□DA - (B) - Ratio	0.25	4	384	207	-	130	124	20		412	207	-	130	124	21	
CNHM05 - 610□DA - (B) - Ratio	0.4	4	400	207	-	130	124	21		432	207	-	130	124	22	
CNHM01 - 612□DA - (B) - Ratio	0.1	4	402	257	-	130	119	30		409	257	-	130	124	31	
CNHM02 - 612□DA - (B) - Ratio	0.2	4	420	257	-	130	124	31		448	257	-	130	124	32	
CNHM03 - 612□DA - (B) - Ratio	0.25	4	420	257	-	130	124	31		448	257	-	130	124	32	
CNHM05 - 612□DA - (B) - Ratio	0.4	4	436	257	-	130	124	32		468	257	-	130	124	33	
CNHM01 - 612□DB - (B) - Ratio	0.1	4	414	257	-	130	119	33		421	257	-	130	124	35	
CNHM02 - 612□DB - (B) - Ratio	0.2	4	432	257	-	130	124	34		473	257	-	130	124	36	
CNHM03 - 612□DB - (B) - Ratio	0.25	4	432	257	-	130	124	34		473	257	-	130	124	36	
CNHM05 - 612□DB - (B) - Ratio	0.4	4	448	257	-	130	124	35		473	257	-	130	124	37	
CNHM08 - 612□DB - (B) - Ratio	0.55	4	489	257	-	140	148	39		532	257	-	140	148	42	
CNHM1 - 612□DB - (B) - Ratio	0.75	4	489	257	-	140	148	39		532	257	-	140	148	42	
CNHM1H - 612□DB - (B) - Ratio	1.1	4	516	257	-	145	160	42		578	257	-	145	160	47	
CNHM2 - 612□DB - (B) - Ratio	1.5	4	516	257	-	145	160	42		578	257	-	145	160	47	

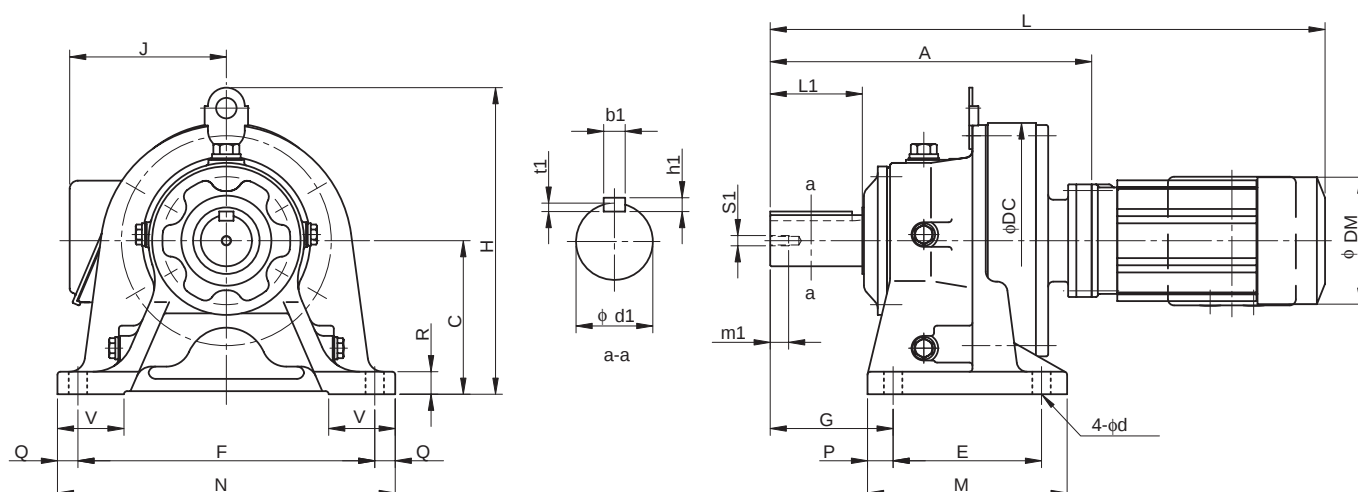
Note: 1. □ indicates motor capacity.

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 613□DA to 614□DC



GEARMOTORS

Dimension Tables
CHHM

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d ₁	L ₁	b ₁	h ₁	t ₁	S ₁	m ₁
613□DA	294	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
613□DB	303	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
613□DC	317	150	230	145	290	100	195	330	25	20	22	65	18	50	70	14	9	5.5	M10	18
614□DA	314	150	230	145	290	120	195	330	25	20	22	65	18	50	90	14	9	5.5	M10	18
614□DB	323	150	230	145	290	120	195	330	25	20	22	65	18	50	90	14	9	5.5	M10	18
614□DC	337	150	230	145	290	120	195	330	25	20	22	65	18	50	90	14	9	5.5	M10	18

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

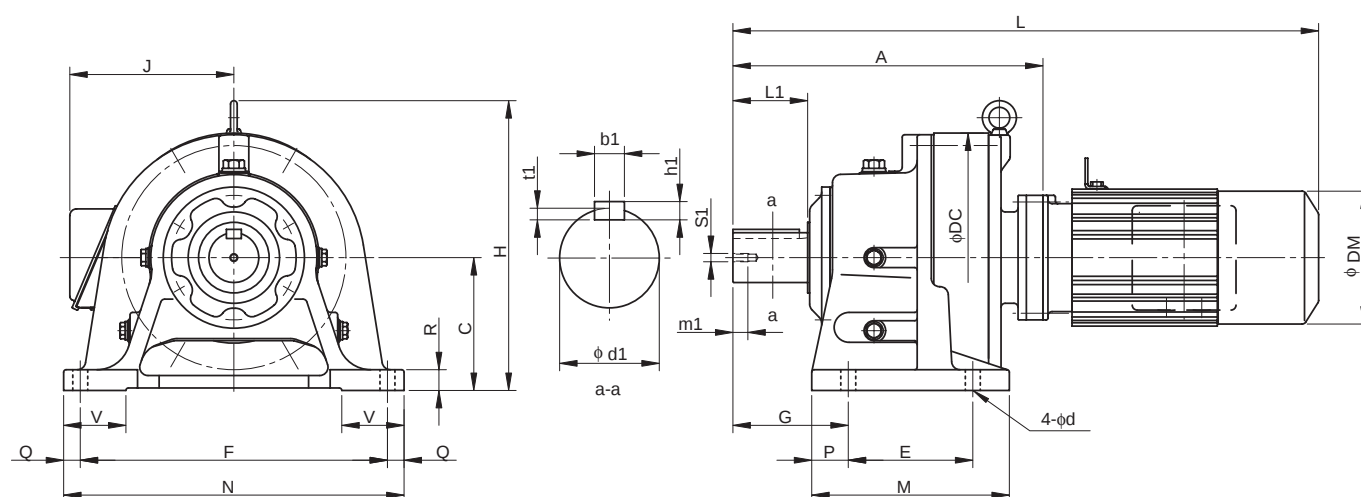
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 616□DA to 618□DA

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

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

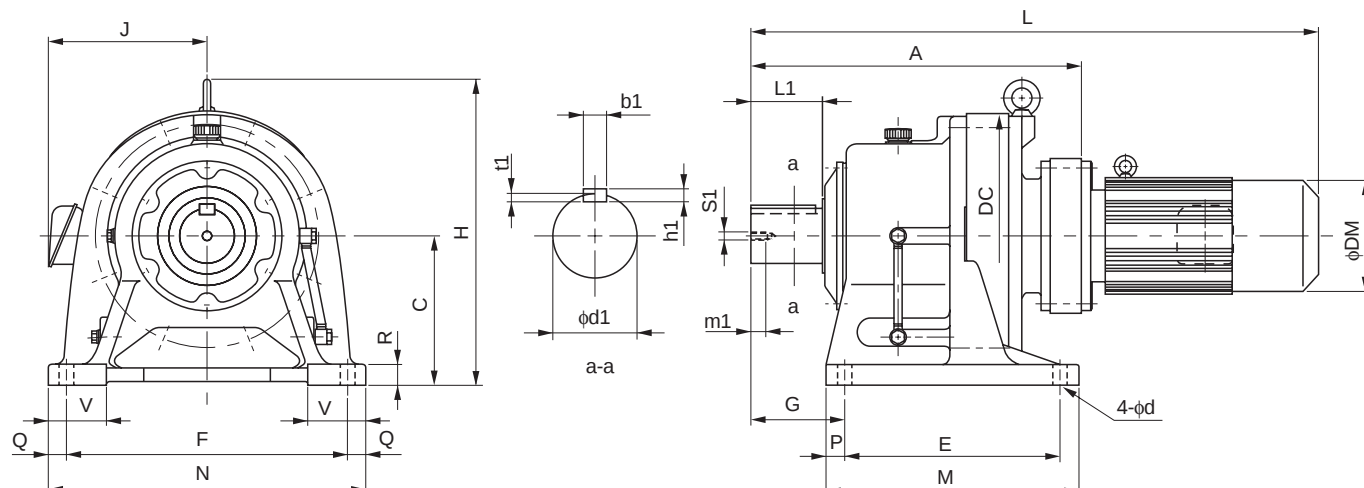
Note: 1. □ indicates motor capacity.

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 616□DC to 619□DA



GEARMOTORS

Dimension Tables
CHHM

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

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

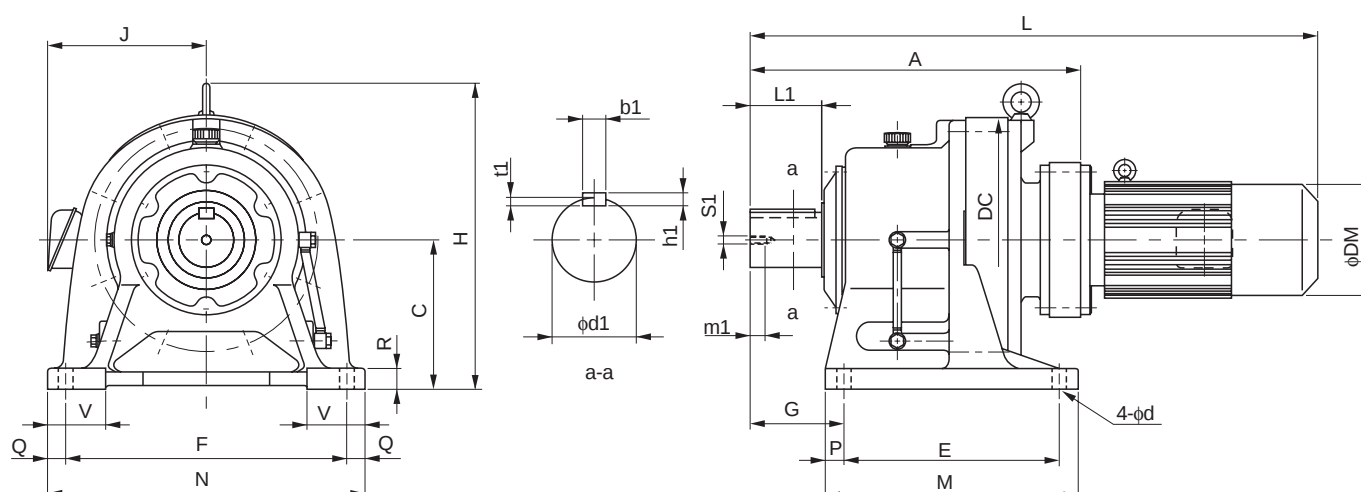
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 619□DB to 6215DA

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

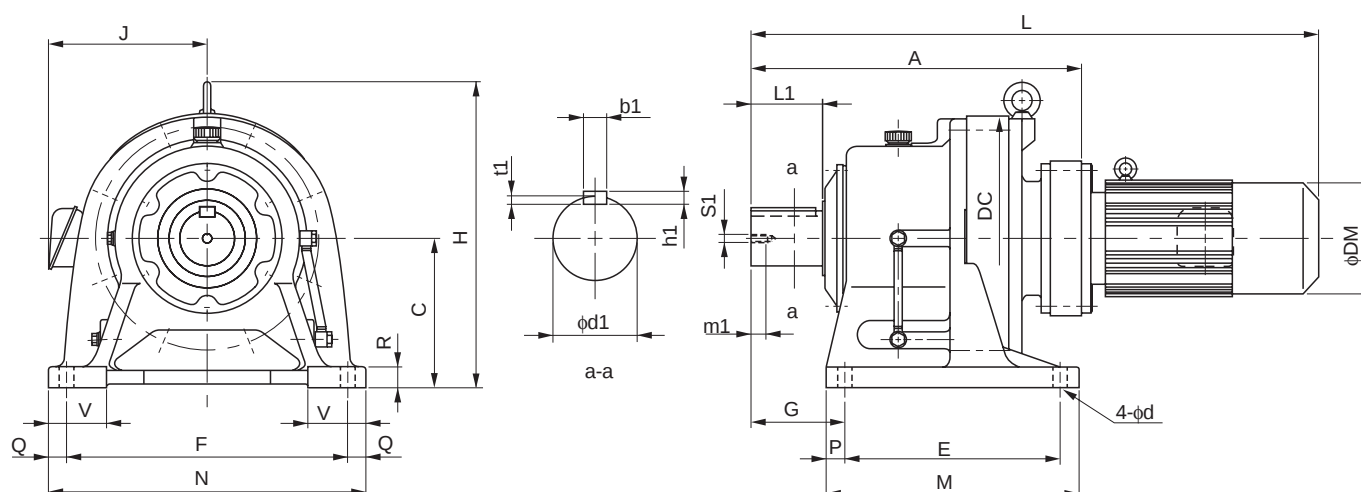
Model Note 4, 5	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CHHM2 - 619□DB - (B) - Ratio	1.5	4	842	531	145	160	261		904	531	145	160	266	
CHHM3 - 619□DB - (B) - Ratio	2.2	4	862	531	152	173	265		925	531	152	173	272	
CHHM4 - 619□DB - (B) - Ratio	3.0	4	885	531	168	212	275	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

Note: 1. □ indicates motor capacity.

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

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

Dimension Tables Gearmotors (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

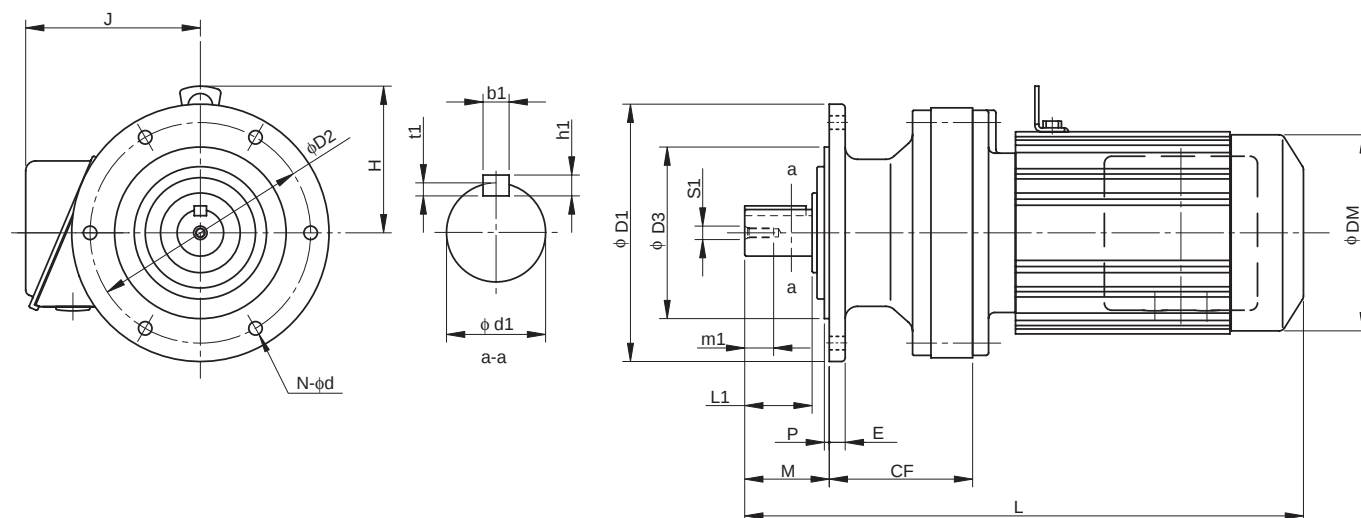
Model	Note 4	Motor		Standard					With Brake				
		kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CHHM3 - 6235DA - (B) - Ratio		2.2	4	1068	667	152	173	561	1131	667	152	173	567
CHHM4 - 6235DA - (B) - Ratio		3.0	4	1091	667	168	212	570	1163	667	168	212	580
CHHM5 - 6235DA - (B) - Ratio		3.7	4	1091	667	168	212	570	1163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

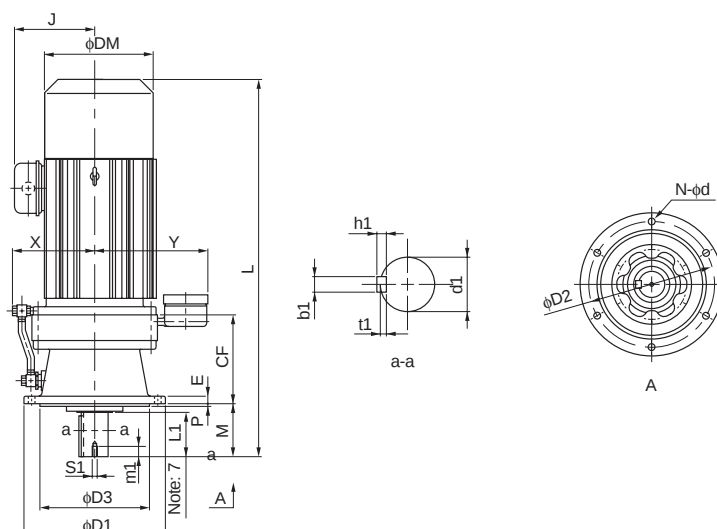
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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				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

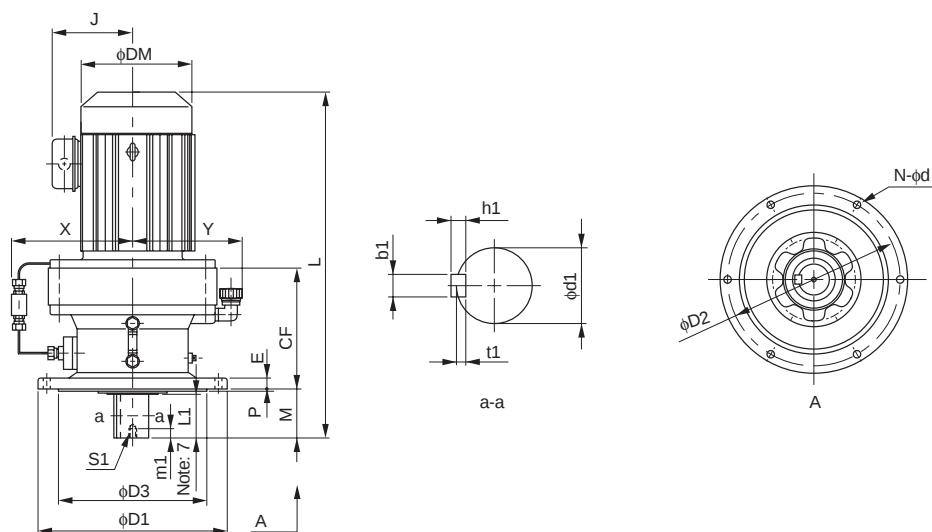
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

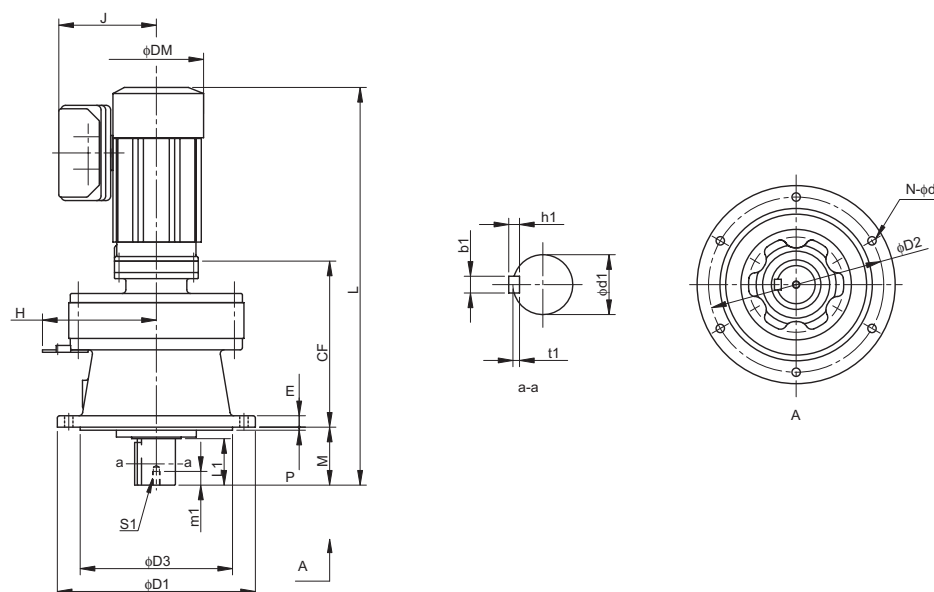
Note: 1. □ indicates motor capacity.

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} - 613□DA to 614□DC

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

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

Note: 1. □ indicates motor capacity.

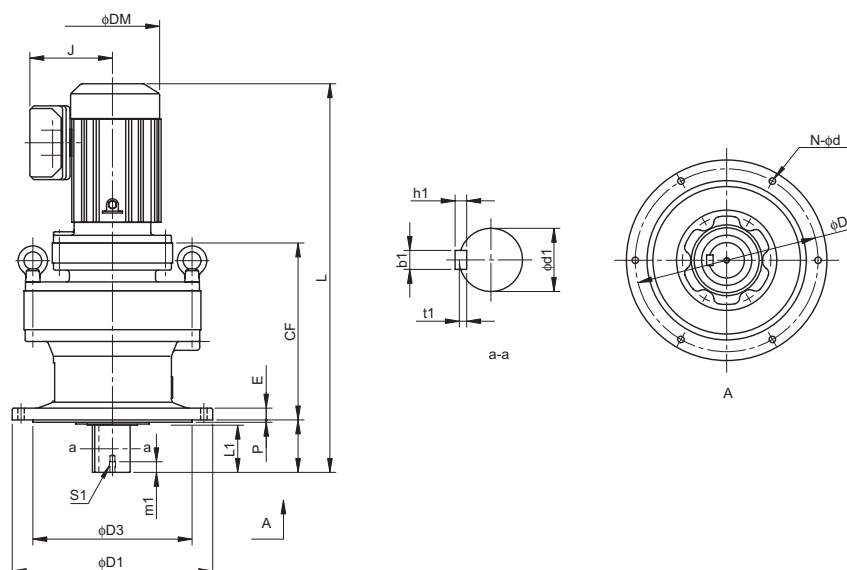
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

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

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

CVVM^{Note 1} - 616□DA to 618□DA



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

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

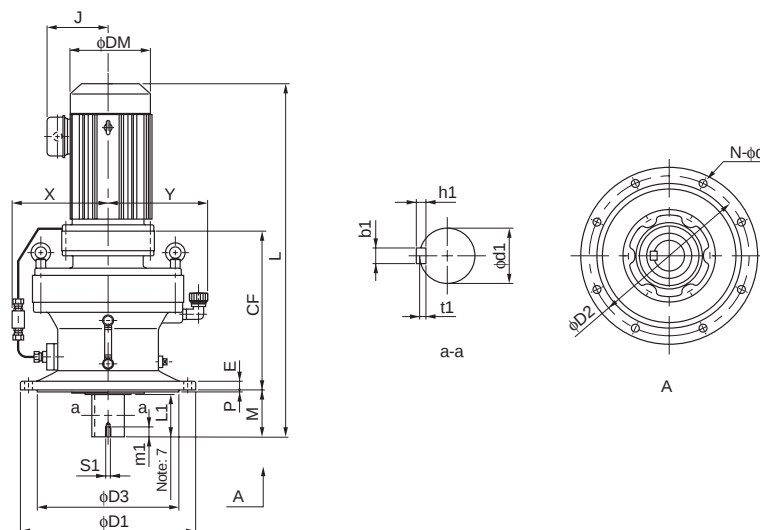
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

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

CVVM^{Note 1} - 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.

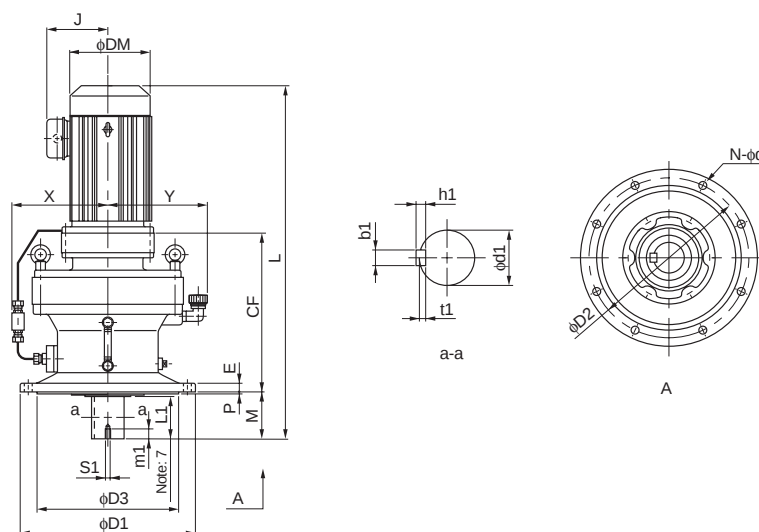
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

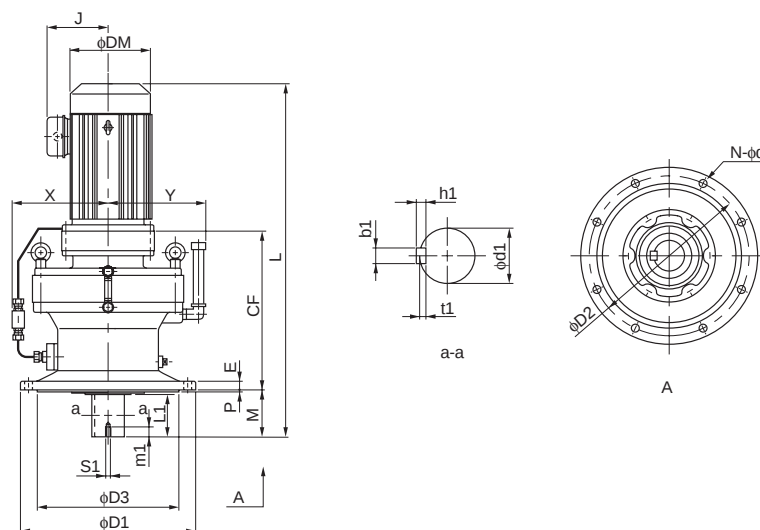
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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.

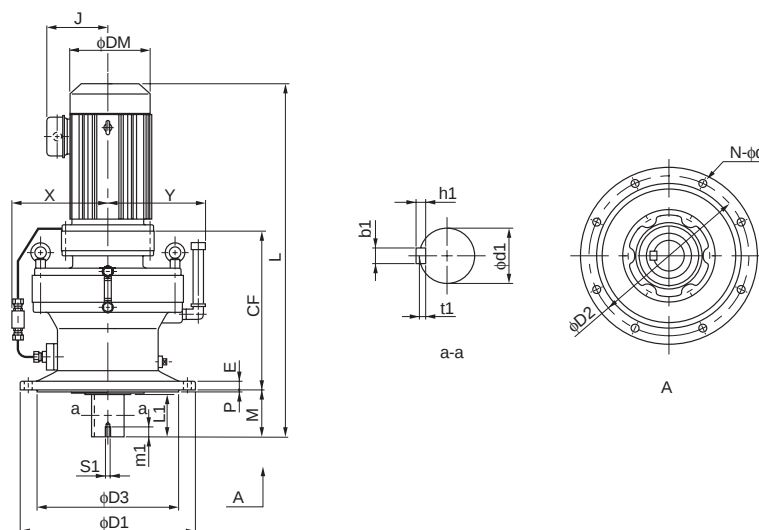
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

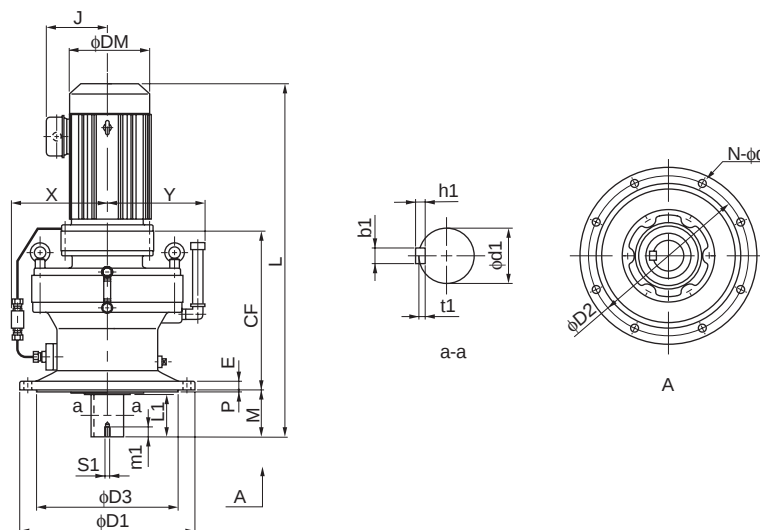
Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM5 - 6215DB - (B) - Ratio		3.7	4	993	168	212	377	1065	168	212	387
CVVM8 - 6215DB - (B) - Ratio		5.5	4	1037	168	212	384	1109	168	212	400
CVVM10 - 6215DB - (B) - Ratio		7.5	4	1060	213	251	400	1155	213	251	417
CVVM15 - 6215DB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

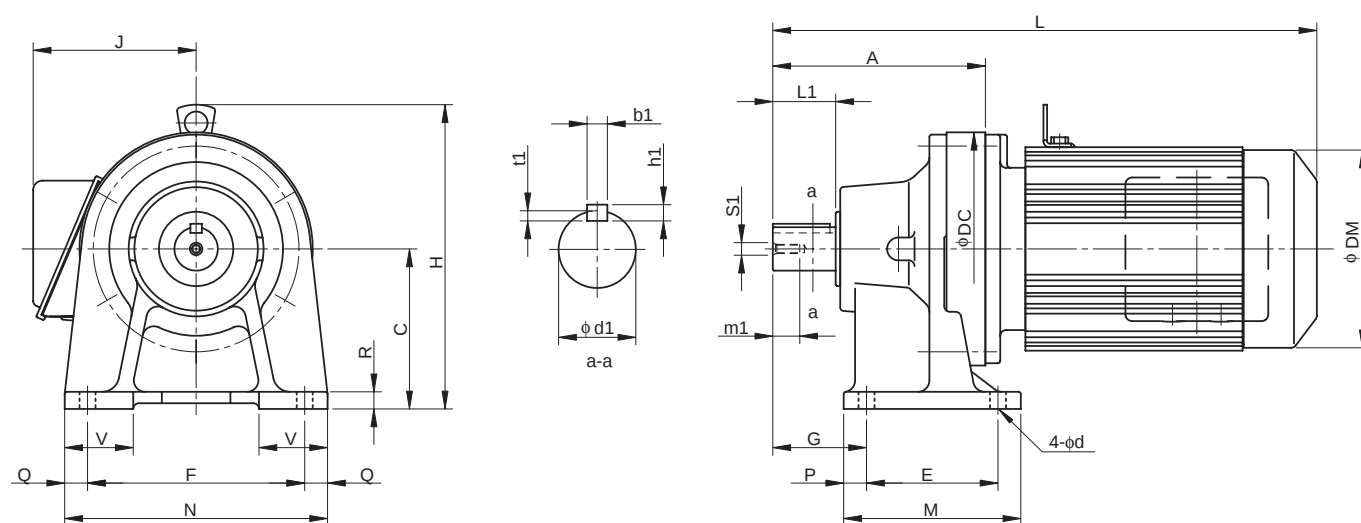
Note: 1. $\square$ indicates motor capacity.

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 (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 610H, 612H (Center Height Option)

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

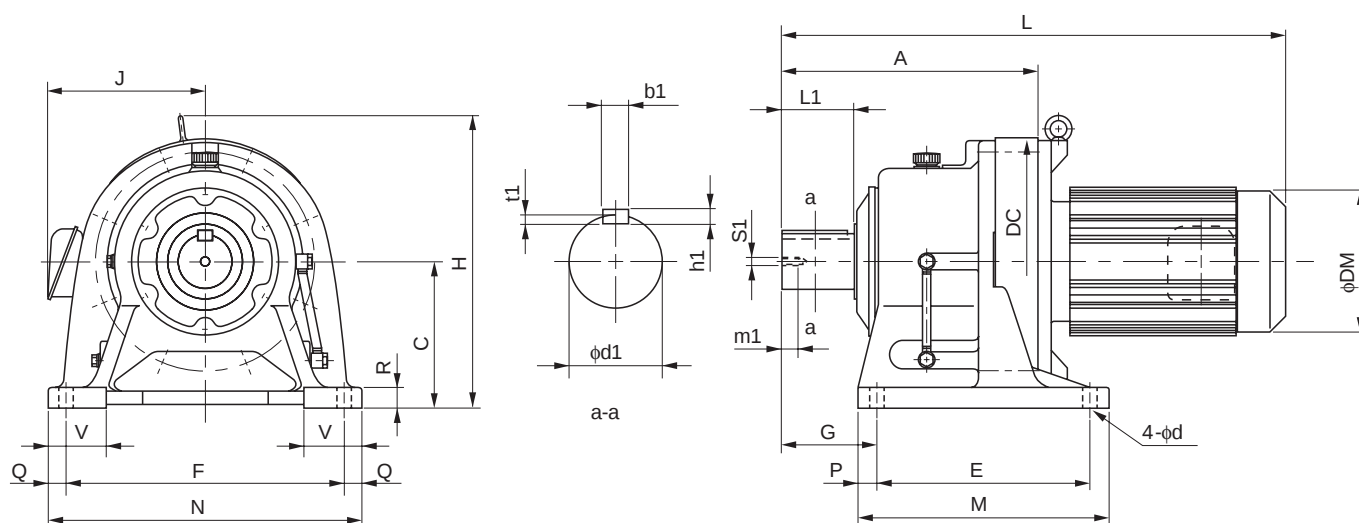
Model	Note 4	Motor		Standard					With Brake				
		kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CNHM02 - 610H	- (B) - Ratio	0.2	4	336	207	130	124	19	364	207	130	124	21
CNHM03 - 610H	- (B) - Ratio	0.25	4	336	207	130	124	19	364	207	130	124	21
CNHM05 - 610H	- (B) - Ratio	0.4	4	352	207	130	124	20	384	207	130	124	22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

Note: 1. □ indicates motor capacity.

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 614H, 616H (Center Height Option)

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.