

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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CYCLO 6000

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

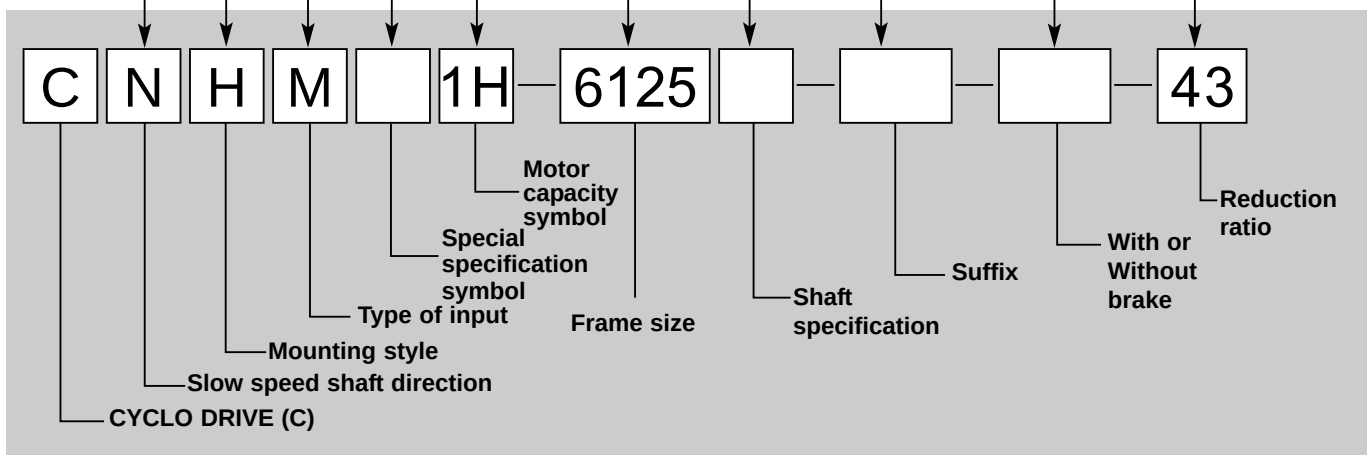
Suffix

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

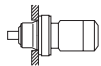
Without brake	-
With brake	B

Nominal ratio



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

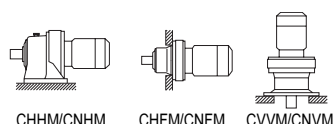
Selection Tables Gearmotors

1.1 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			
580	17.2	1.75	1200	122	1.50	700	14.3	1.45	1140	116	1.50	1H -	6080SK	- 2.5 *3	B-98	-	B-133
			1200	122	1.87				1140	116	1.87	1H -	6085SK	- 2.5 *3	B-98	-	B-133
			2230	227	2.18				2120	216	2.18	1H -	6090SK	- 2.5 *3	B-98	-	B-133
			2230	227	2.46				2120	216	2.46	1H -	6095SK	- 2.5 *3	B-98	-	B-133
			2230	227	2.90				2120	216	2.90	1H -	6100SK	- 2.5 *3	B-99	-	B-134
			2230	227	3.41				2120	216	3.41	1H -	6105SK	- 2.5 *3	B-99	-	B-134
483	20.6	2.10	1250	127	1.50	583	17.1	1.74	1200	122	1.50	1H -	6080SK	- 3 *3	B-98	-	B-133
			1250	127	1.87				1200	122	1.87	1H -	6085SK	- 3 *3	B-98	-	B-133
			2310	235	2.13				2210	225	2.13	1H -	6090SK	- 3 *3	B-98	-	B-133
			2310	235	2.39				2210	225	2.39	1H -	6095SK	- 3 *3	B-98	-	B-133
			2310	235	3.00				2210	225	3.00	1H -	6100SK	- 3 *3	B-99	-	B-134
363	27.5	2.81	1330	136	1.50	438	22.8	2.33	1290	131	1.50	1H -	6080SK	- 4 *3	B-98	-	B-133
			1330	136	1.87				1290	131	1.87	1H -	6085SK	- 4 *3	B-98	-	B-133
			2560	261	2.13				2450	250	2.13	1H -	6090SK	- 4 *3	B-98	-	B-133
			2560	261	2.39				2450	250	2.39	1H -	6095SK	- 4 *3	B-98	-	B-133
			2560	261	2.93				2450	250	2.93	1H -	6100SK	- 4 *3	B-99	-	B-134
			2560	261	3.45				2450	250	3.45	1H -	6105SK	- 4 *3	B-99	-	B-134
290	34.4	3.51	1420	145	1.41	350	28.5	2.91	1370	140	1.41	1H -	6080SK	- 5 *3	B-98	-	B-133
			1420	145	1.65				1370	140	1.65	1H -	6085SK	- 5 *3	B-98	-	B-133
			2740	279	2.03				2600	265	2.03	1H -	6090SK	- 5 *3	B-98	-	B-133
			2740	279	2.39				2600	265	2.39	1H -	6095SK	- 5 *3	B-98	-	B-133
			2740	279	2.86				2600	265	2.86	1H -	6100SK	- 5 *3	B-99	-	B-134
			2740	279	3.36				2600	265	3.36	1H -	6105SK	- 5 *3	B-99	-	B-134
242	41.3	4.21	1450	148	1.18	292	34.2	3.49	1410	144	1.18	1H -	6080SK	- 6 *3	B-98	-	B-133
			1450	148	1.47				1410	144	1.47	1H -	6085SK	- 6 *3	B-98	-	B-133
			2800	285	1.74				2670	272	1.74	1H -	6090SK	- 6 *3	B-98	-	B-133
			2800	285	2.06				2670	272	2.06	1H -	6095SK	- 6 *3	B-98	-	B-133
			2800	285	2.43				2670	272	2.43	1H -	6100SK	- 6 *3	B-99	-	B-134
			2800	285	2.85				2670	272	2.85	1H -	6105SK	- 6 *3	B-99	-	B-134
			2820	287	1.05				2650	270	1.05	1H -	6090	- 6	B-100	B-116	B-135
			2820	287	1.38				2650	270	1.38	1H -	6095	- 6	B-100	B-116	B-135
			4140	422	2.14				3900	397	2.14	1H -	6100	- 6	B-101	B-117	B-136
			4140	422	2.89				3900	397	2.89	1H -	6105	- 6	B-101	B-117	B-136
181	55.1	5.61	1490	152	1.00	219	45.6	4.65	1450	148	1.00	1H -	6080SK	- 8 *3	B-98	-	B-133
			1490	152	1.25				1450	148	1.25	1H -	6085SK	- 8 *3	B-98	-	B-133
			3060	312	1.37				2930	299	1.37	1H -	6090SK	- 8 *3	B-98	-	B-133
			3060	312	1.61				2930	299	1.61	1H -	6095SK	- 8 *3	B-98	-	B-133
			3060	312	1.92				2930	299	1.92	1H -	6100SK	- 8 *3	B-99	-	B-134
			3060	312	2.26				2930	299	2.26	1H -	6105SK	- 8 *3	B-99	-	B-134
			4080	416	3.37				3870	395	3.37	1H -	6110SK	- 8 *3	B-99	-	B-134
			3130	319	1.05				2950	301	1.05	1H -	6090	- 8	B-100	B-116	B-135
			3130	319	1.38				2950	301	1.38	1H -	6095	- 8	B-100	B-116	B-135
			4620	471	2.14				4350	443	2.14	1H -	6100	- 8	B-101	B-117	B-136
			4620	471	2.89				4350	443	2.89	1H -	6105	- 8	B-101	B-117	B-136
145	68.8	7.02	1540	157	1.00	175	57.0	5.81	1510	154	1.00	1H -	6085SK	- 10 *3	B-98	-	B-133
			3220	328	1.27				3070	313	1.27	1H -	6090SK	- 10 *3	B-98	-	B-133
			3220	328	1.61				3070	313	1.61	1H -	6095SK	- 10 *3	B-98	-	B-133
			3220	328	1.80				3070	313	1.80	1H -	6100SK	- 10 *3	B-99	-	B-134
			3220	328	2.00				3070	313	2.00	1H -	6105SK	- 10 *3	B-99	-	B-134
			4400	449	2.78				4180	426	2.78	1H -	6110SK	- 10 *3	B-99	-	B-134
			4400	449	3.47				4180	426	3.47	1H -	6115SK	- 10 *3	B-99	-	B-134
132	75.7	7.72	3340	340	1.05	159	62.7	6.39	3340	340	1.05	1H -	6090	- 11	B-100	B-116	B-135
			3340	340	1.38				3340	340	1.38	1H -	6095	- 11	B-100	B-116	B-135
			5250	536	2.14				4950	504	2.14	1H -	6100	- 11	B-101	B-117	B-136
			5250	536	2.89				4950	504	2.89	1H -	6105	- 11	B-101	B-117	B-136

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

Selection Tables Gearmotors

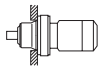


1.1 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
112	89.5	9.12	3340	340	1.05	135	74.1	7.56	3340	340	1.05	1H -	6090	- 13	B-100	B-116	B-135
			3340	340	1.38				1H -	6095	- 13	B-100	B-116	B-135			
			5400	550	2.14				1H -	6100	- 13	B-101	B-117	B-136			
			5400	550	2.89				1H -	6105	- 13	B-101	B-117	B-136			
96.7	103	10.5	3340	340	1.05	117	85.5	8.72	3340	340	1.05	1H -	6090	- 15	B-100	B-116	B-135
			3340	340	1.38				1H -	6095	- 15	B-100	B-116	B-135			
			5400	550	2.14				1H -	6100	- 15	B-101	B-117	B-136			
			5400	550	2.89				1H -	6105	- 15	B-101	B-117	B-136			
85.3	117	11.9	3340	340	1.05	103	96.9	9.88	3340	340	1.05	1H -	6090	- 17	B-100	B-116	B-135
			3340	340	1.38				1H -	6095	- 17	B-100	B-116	B-135			
			5400	550	1.81				1H -	6100	- 17	B-101	B-117	B-136			
			5400	550	2.24				1H -	6105	- 17	B-101	B-117	B-136			
			6660	679	2.89				1H -	6110	- 17	B-101	B-117	B-136			
69.0	145	14.7	3340	340	1.37	83.3	120	12.2	3340	340	1.38	1H -	6095	- 21	B-100	B-116	B-135
			5400	550	1.73				1H -	6100	- 21	B-101	B-117	B-136			
			5400	550	2.07				1H -	6105	- 21	B-101	B-117	B-136			
			7080	722	2.47				1H -	6110	- 21	B-101	B-117	B-136			
			7080	722	2.83				1H -	6115	- 21	B-101	B-117	B-136			
58.0	172	17.5	5400	550	1.15	70.0	143	14.5	5400	550	1.15	1H -	6100	- 25	B-101	B-117	B-136
			5400	550	1.52				1H -	6105	- 25	B-101	B-117	B-136			
			7180	732	1.74				1H -	6110	- 25	B-101	B-117	B-136			
			7180	732	2.02				1H -	6115	- 25	B-101	B-117	B-136			
			8700	887	2.81				1H -	6120	- 25	B-101	B-117	B-136			
50.0	200	20.3	5400	550	1.10	60.3	165	16.9	5400	550	1.10	1H -	6100	- 29	B-101	B-117	B-136
			5400	550	1.45				1H -	6105	- 29	B-101	B-117	B-136			
			7350	750	1.73				1H -	6110	- 29	B-101	B-117	B-136			
			7350	750	2.02				1H -	6115	- 29	B-101	B-117	B-136			
			9050	922	2.61				1H -	6120	- 29	B-101	B-117	B-136			
41.4	241	24.6	5400	550	1.09	50.0	200	20.3	5400	550	1.09	1H -	6105	- 35	B-101	B-117	B-136
			7400	754	1.36				1H -	6110	- 35	B-101	B-117	B-136			
			7400	754	1.65				1H -	6115	- 35	B-101	B-117	B-136			
			9560	975	2.15				1H -	6120	- 35	B-101	B-117	B-136			
9560	975	2.62	1H -	6125	- 35	B-101	B-117	B-136									
33.7	296	30.2	5400	550	0.98	40.7	245	25.0	5380	548	0.98	1H -	6105	- 43	B-101	B-117	B-136
			7610	776	1.18				1H -	6110	- 43	B-101	B-117	B-136			
			7610	776	1.38				1H -	6115	- 43	B-101	B-117	B-136			
			9810	1000	1.74				1H -	6120	- 43	B-101	B-117	B-136			
			9810	1000	2.13				1H -	6125	- 43	B-101	B-117	B-136			
12000	1220	2.64	1H -	6130	- 43	B-102	B-118	B-137									
28.4	351	35.8	7600	775	1.01	34.3	291	29.6	7610	776	1.01	1H -	6115	- 51	B-101	B-117	B-136
			9810	1000	1.48				1H -	6120	- 51	B-101	B-117	B-136			
			9810	1000	1.79				1H -	6125	- 51	B-101	B-117	B-136			
			12500	1270	2.22				1H -	6130	- 51	B-102	B-118	B-137			
			12500	1270	2.32				1H -	6135	- 51	B-102	B-118	B-137			
24.6	406	41.4	7570	772	0.92	29.7	336	34.3	7610	776	0.92	1H -	6115	- 59	B-101	B-117	B-136
			9810	1000	1.18				1H -	6120	- 59	B-101	B-117	B-136			
			9810	1000	1.47				1H -	6125	- 59	B-101	B-117	B-136			
			13100	1340	1.92				1H -	6130	- 59	B-102	B-118	B-137			
			13100	1340	2.22				1H -	6135	- 59	B-102	B-118	B-137			
			16000	1630	2.69				1H -	6140	- 59	B-102	B-118	B-137			
16000	1630	2.89	1H -	6145	- 59	B-102	B-118	B-137									
20.4	489	49.8	9810	1000	1.04	24.6	405	41.3	9810	1000	1.09	1H -	6125	- 71	B-101	B-117	B-136
			13900	1410	1.60				1H -	6130	- 71	B-102	B-118	B-137			
			13900	1410	1.85				1H -	6135	- 71	B-102	B-118	B-137			
			16000	1630	2.21				1H -	6140	- 71	B-102	B-118	B-137			
			16000	1630	2.38				1H -	6145	- 71	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.

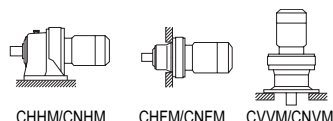
Selection Tables Gearmotors

1.1 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	CNHN	CNHN	CNHN				
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM				
16.7	599	61.0	9620	981	0.94	20.1	496	50.6	9810	1000	1.03	1H -	6125	- 87	B-101	B-117	B-136				
			14700	1500	1.29				14100	1430	1.29	1H -	6130	- 87	B-102	B-118	B-137				
			14700	1500	1.50				14100	1430	1.74	1H -	6135	- 87	B-102	B-118	B-137				
			16000	1630	1.80				16000	1630	1.80	1H -	6140	- 87	B-102	B-118	B-137				
			16000	1630	1.96				16000	1630	2.25	1H -	6145	- 87	B-102	B-118	B-137				
			22100	2250	2.93				22100	2250	3.15	1H -	6160	- 87	B-103	B-119	B-138				
13.9	678	69.1	525	53.5	9810	1000	*1	16.8	562	57.3	9810	1000	*1	1H -	6120DB	- 104	B-108	B-124	B-143		
			9810	1000	0.93	9810	1000				1.12	1H -	6125DB	- 104	B-108	B-124	B-143				
			14700	1500	1.15	14700	1500				1.39	1H -	6130DB	- 104	B-109	B-125	B-144				
			14700	1500	1.39	14700	1500				1.45	1H -	6135DB	- 104	B-109	B-125	B-144				
			16000	1630	1.45	16000	1630				1.45	1H -	6140DB	- 104	B-109	B-125	B-144				
			16000	1630	1.81	16000	1630				2.18	1H -	6140DC	- 104	B-109	B-125	B-144				
			16000	1630	2.02	16000	1630				2.44	1H -	6145DC	- 104	B-109	B-125	B-144				
			22100	2250	2.59	22100	2250				3.05	1H -	6160DB	- 104	B-110	B-126	B-145				
22100	2250	2.59	22100	2250	3.12	1H -	6160DC	- 104	B-111	B-127	B-146										
12.0	789	80.4	525	53.5	9810	1000	*1	14.5	654	66.6	9810	1000	*1	1H -	6120DB	- 121	B-108	B-124	B-143		
			622	63.4	9810	1000	*1				622	63.4	9810	1000	*1	1H -	6125DB	- 121	B-108	B-124	B-143
			14700	1500	1.19	14700	1500				1.44	1H -	6135DB	- 121	B-109	B-125	B-144				
			16000	1630	1.45	16000	1630				1.45	1H -	6140DB	- 121	B-109	B-125	B-144				
			16000	1630	1.55	16000	1630				1.87	1H -	6140DC	- 121	B-109	B-125	B-144				
			16000	1630	1.64	16000	1630				1.98	1H -	6145DC	- 121	B-109	B-125	B-144				
			22100	2250	2.22	22100	2250				2.68	1H -	6160DB	- 121	B-110	B-126	B-145				
			22100	2250	2.66	22100	2250				3.05	1H -	6165DB	- 121	B-110	B-126	B-145				
22100	2250	2.66	22100	2250	3.21	1H -	6165DC	- 121	B-111	B-127	B-146										
10.1	932	95.0	630	64.2	9810	1000	*1	12.2	773	78.8	9810	1000	*1	1H -	6125DB	- 143	B-108	B-124	B-143		
			14700	1500	1.01	14700	1500				1.22	1H -	6135DB	- 143	B-109	B-125	B-144				
			16000	1630	1.31	16000	1630				1.45	1H -	6140DB	- 143	B-109	B-125	B-144				
			16000	1630	1.31	16000	1630				1.59	1H -	6140DC	- 143	B-109	B-125	B-144				
			16000	1630	1.45	16000	1630				1.45	1H -	6145DB	- 143	B-109	B-125	B-144				
			16000	1630	1.47	16000	1630				1.77	1H -	6145DC	- 143	B-109	B-125	B-144				
			22100	2250	1.88	22100	2250				2.27	1H -	6160DB	- 143	B-110	B-126	B-145				
			22100	2250	2.25	22100	2250				2.72	1H -	6165DB	- 143	B-110	B-126	B-145				
			29500	3010	2.71	29500	3010				3.05	1H -	6170DB	- 143	B-110	B-126	B-145				
29500	3010	2.71	29500	3010	3.27	1H -	6170DC	- 143	B-111	B-127	B-146										
8.79	1080	110	630	64.2	9810	1000	*1	10.6	891	90.9	9810	1000	*1	1H -	6125DB	- 165	B-108	B-124	B-143		
			780	79.5	14700	1500	*1				780	79.5	14700	1500	*1	1H -	6130DB	- 165	B-109	B-125	B-144
			14700	1500	0.87	14700	1500				1.05	1H -	6135DB	- 165	B-109	B-125	B-144				
			16000	1630	1.14	16000	1630				1.37	1H -	6140DB	- 165	B-109	B-125	B-144				
			16000	1630	1.26	16000	1630				1.45	1H -	6145DB	- 165	B-109	B-125	B-144				
			16000	1630	1.26	16000	1630				1.52	1H -	6145DC	- 165	B-109	B-125	B-144				
			22100	2250	1.45	22100	2250				1.45	1H -	6160DA	- 165	B-110	B-126	B-145				
			22100	2250	1.63	22100	2250				1.97	1H -	6160DB	- 165	B-110	B-126	B-145				
			22100	2250	1.95	22100	2250				2.36	1H -	6165DB	- 165	B-110	B-126	B-145				
			29500	3010	2.35	29500	3010				2.84	1H -	6170DB	- 165	B-110	B-126	B-145				
			29500	3010	2.93	29500	3010				3.05	1H -	6175DB	- 165	B-110	B-126	B-145				
			29500	3010	2.93	29500	3010				3.53	1H -	6175DC	- 165	B-111	B-127	B-146				

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

Selection Tables Gearmotors

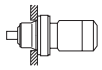


1.1 kW	n ₁ : Motor Speed			
	Hz		50Hz	
	P	r/min	4	6
	n ₁	r/min	1450	980
			1750	1165

50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque 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
7.44	780	79.5	14700	1500	*1	8.97	780	79.5	14700	1500	*1	1H -	6130DB	- 195	B-109	B-125	B-144
	940	95.8	14700	1500	*1		940	95.8	14700	1500	*1	1H -	6135DB	- 195	B-109	B-125	B-144
			16000	1630	1.07				16000	1630	1.29	1H - 6145DB	- 195	B-109	B-125	B-144	
			22100	2250	1.38				22100	2250	1.45	1H -	6160DA	- 195	B-110	B-126	B-145
			22100	2250	1.38				22100	2250	1.67	1H -	6160DB	- 195	B-110	B-126	B-145
	1270	130	22100	2250	1.45		1050	107	22100	2250	1.45	1H -	6165DA	- 195	B-110	B-126	B-145
			22100	2250	1.65				22100	2250	1.99	1H -	6165DB	- 195	B-110	B-126	B-145
			29500	3010	1.99				29500	3010	2.40	1H -	6170DB	- 195	B-110	B-126	B-145
			29500	3010	2.48				29500	3010	2.99	1H -	6175DB	- 195	B-110	B-126	B-145
6.28	940	95.8	14700	1500	*1	7.58	940	95.8	14700	1500	*1	1H -	6135DB	- 231	B-109	B-125	B-144
	1230	125	16000	1630	*1		1230	125	16000	1630	*1	1H -	6140DB	- 231	B-109	B-125	B-144
			15500	1580	0.89				16000	1630	1.07	1H -	6145DB	- 231	B-109	B-125	B-144
			22100	2250	1.17				22100	2250	1.41	1H -	6160DA	- 231	B-110	B-126	B-145
			22100	2250	1.39				22100	2250	1.45	1H -	6165DA	- 231	B-110	B-126	B-145
			22100	2250	1.39				22100	2250	1.68	1H -	6165DB	- 231	B-110	B-126	B-145
	1510	154	29500	3010	1.45		1250	127	29500	3010	1.45	1H -	6170DA	- 231	B-110	B-126	B-145
			29500	3010	1.68				29500	3010	2.03	1H -	6170DB	- 231	B-110	B-126	B-145
			29500	3010	2.09				29500	3010	2.52	1H -	6175DB	- 231	B-110	B-126	B-145
			41700	4250	2.69				41700	4250	3.05	1H -	6180DA	- 231	B-110	B-126	B-145
		41700	4250	2.69			41700	4250	3.25	1H -	6180DB	- 231	B-111	B-127	B-146		
5.31	1230	125	16000	1630	*1	6.41	1230	125	16000	1630	*1	1H -	6140DB	- 273	B-109	B-125	B-144
	1340	136	16000	1630	*1		1340	136	16000	1630	*1	1H -	6145DB	- 273	B-109	B-125	B-144
			22100	2250	1.18				22100	2250	1.42	1H -	6165DA	- 273	B-110	B-126	B-145
			29500	3010	1.42				29500	3010	1.45	1H -	6170DA	- 273	B-110	B-126	B-145
			29500	3010	1.42				29500	3010	1.72	1H -	6170DB	- 273	B-110	B-126	B-145
			29500	3010	1.45				29500	3010	1.45	1H -	6175DA	- 273	B-110	B-126	B-145
	1780	181	29500	3010	1.77		1470	150	29500	3010	2.14	1H -	6175DB	- 273	B-110	B-126	B-145
			41700	4250	2.28				41700	4250	2.75	1H -	6180DA	- 273	B-110	B-126	B-145
			41700	4250	2.81				41700	4250	3.05	1H -	6185DA	- 273	B-110	B-126	B-145
			41700	4250	2.81				41700	4250	3.39	1H -	6185DB	- 273	B-111	B-127	B-146
4.55	1230	125	16000	1630	*1	5.49	1230	125	16000	1630	*1	1H -	6140DB	- 319	B-109	B-125	B-144
	1370	140	15800	1610	*1		1370	140	15800	1610	*1	1H -	6145DB	- 319	B-109	B-125	B-144
			22100	2250	1.01				22100	2250	1.22	1H - 6165DA	- 319	B-110	B-126	B-145	
			29500	3010	1.22				29500	3010	1.45	1H -	6170DA	- 319	B-110	B-126	B-145
			29500	3010	1.22				29500	3010	1.47	1H -	6170DB	- 319	B-110	B-126	B-145
			29500	3010	1.45				29500	3010	1.45	1H -	6175DA	- 319	B-110	B-126	B-145
	2080	212	29500	3010	1.51		1720	176	29500	3010	1.83	1H -	6175DB	- 319	B-110	B-126	B-145
			41700	4250	1.95				41700	4250	2.35	1H -	6180DA	- 319	B-110	B-126	B-145
			41700	4250	2.40				41700	4250	2.90	1H -	6185DA	- 319	B-110	B-126	B-145
3.85	1760	179	22100	2250	*1	4.64	1760	179	22100	2250	*1	1H -	6160DA	- 377	B-110	B-126	B-145
			22100	2250	0.85				22100	2250	1.03	1H -	6165DA	- 377	B-110	B-126	B-145
			29500	3010	1.03				29500	3010	1.24	1H - 6170DA	- 377	B-110	B-126	B-145	
			29500	3010	1.28				29500	3010	1.45	1H -	6175DA	- 377	B-110	B-126	B-145
			29500	3010	1.28				29500	3010	1.55	1H -	6175DB	- 377	B-110	B-126	B-145
	2460	251	29500	3010	1.28		2040	208	29500	3010	1.55	1H -	6175DB	- 377	B-110	B-126	B-145
			41700	4250	1.65				41700	4250	1.99	1H -	6180DA	- 377	B-110	B-126	B-145
			41700	4250	2.03				41700	4250	2.45	1H -	6185DA	- 377	B-110	B-126	B-145
			59000	6010	2.60				59000	6010	3.13	1H -	6190DA	- 377	B-111	B-128	B-147

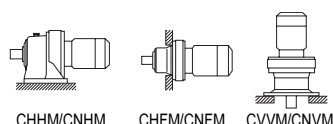
- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- "*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

1.1 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 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	
3.07	2100	214	22100	2250	*1	3.70	2100	214	22100	2250	*1	1H - 6165DA	- 473		B-110	B-126	B-145	
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	1H - 6170DA	- 473		B-110	B-126	B-145	
			29500	3010	1.02				29500	3010	1.23	1H - 6175DA	- 473		B-110	B-126	B-145	
			41700	4250	1.32				41700	4250	1.59	1H - 6180DA	- 473		B-110	B-126	B-145	
	3080	314	41700	4250	1.62		2560	260	41700	4250	1.96	1H - 6185DA	- 473		B-110	B-126	B-145	
			59000	6010	2.07				59000	6010	2.50	1H - 6190DA	- 473		B-111	B-128	B-147	
		59000	6010	2.58				59000	6010	3.11	1H - 6195DA	- 473		B-111	B-128	B-147		
2.59	2100	214	22100	2250	*1	3.13	2100	214	22100	2250	*1	1H - 6165DA	- 559		B-110	B-126	B-145	
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	1H - 6170DA	- 559		B-110	B-126	B-145	
			29500	3010	0.86				29500	3010	1.04	1H - 6175DA	- 559		B-110	B-126	B-145	
			41700	4250	1.11				41700	4250	1.34	1H - 6180DA	- 559		B-110	B-126	B-145	
	3640	372	41700	4250	1.37		3020	308	41700	4250	1.66	1H - 6185DA	- 559		B-110	B-126	B-145	
			59000	6010	1.75				59000	6010	2.11	1H - 6190DA	- 559		B-111	B-128	B-147	
		59000	6010	2.18				59000	6010	2.64	1H - 6195DA	- 559		B-111	B-128	B-147		
2.23	2530	258	29500	3010	*1	2.70	2530	258	29500	3010	*1	1H - 6170DA	- 649		B-110	B-126	B-145	
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	1H - 6175DA	- 649		B-110	B-126	B-145	
			41700	4250	1.18				41700	4250	1.43	1H - 6185DA	- 649		B-110	B-126	B-145	
	4230	431	59000	6010	1.51		3510	357	59000	6010	1.82	1H - 6190DA	- 649		B-111	B-128	B-147	
			59000	6010	1.88				59000	6010	2.27	1H - 6195DA	- 649		B-111	B-128	B-147	
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	1H - 6175DA	- 731		B-110	B-126	B-145	
1.98			41700	4250	1.05	2.39			41700	4250	1.27	1H - 6185DA	- 731		B-110	B-126	B-145	
	4770	486	59000	6010	1.34		3950	403	59000	6010	1.62	1H - 6190DA	- 731		B-111	B-128	B-147	
			59000	6010	1.67				59000	6010	2.02	1H - 6195DA	- 731		B-111	B-128	B-147	
	3150	321	29500	3010	*1		3150	321	29500	3010	*1	1H - 6175DA	- 841		B-110	B-126	B-145	
	4050	413	41700	4250	*1		4050	413	41700	4250	*1	1H - 6180DA	- 841		B-110	B-126	B-145	
			41700	4250	0.91				41700	4250	1.10	1H - 6185DA	- 841		B-110	B-126	B-145	
1.72	5480	559	59000	6010	1.16	2.08	4540	463	59000	6010	1.40	1H - 6190DA	- 841		B-111	B-128	B-147	
			59000	6010	1.45				59000	6010	1.75	1H - 6195DA	- 841		B-111	B-128	B-147	
	4050	413	41700	4250	*1		4050	413	41700	4250	*1	1H - 6180DA	- 1003		B-110	B-126	B-145	
	5000	510	41600	4240	*1		5000	510	41600	4240	*1	1H - 6185DA	- 1003		B-110	B-126	B-145	
	6540	667	58500	5970	1.22		5420	552	58800	6000	1.47	1H - 6195DA	- 1003		B-111	B-128	B-147	
	5000	510	41700	4250	*1		5000	510	41700	4250	*1	1H - 6185DA	- 1247		B-110	B-126	B-145	
1.16	6380	650	59000	6010	*1	1.40	6380	650	59000	6010	*1	1H - 6190DA	- 1247		B-111	B-128	B-147	
	8130	829	58900	6010	0.98		6740	687	59000	6010	1.18	1H - 6195DA	- 1247		B-111	B-128	B-147	
	6380	650	58900	6000	*1		6380	650	58900	6000	*1	1H - 6190DA	- 1479		B-111	B-128	B-147	
	7960	811	58400	5950	*1		7960	811	58400	5950	*1	1H - 6195DA	- 1479		B-111	B-128	B-147	
	9640	983	57800	5900	0.83		7990	815	58400	5950	1.00	1H - 6195DA	- 1479		B-111	B-128	B-147	
	0.784	7960	811	59000	6010		*1	0.946	7960	811	59000	6010	*1	1H - 6195DA	- 1849		B-111	B-128
0.702	7960	811	58100	5930	*1	0.847	7960	811	58100	5930	*1	1H - 6195DA	- 2065		B-111	B-128	B-147	

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

Selection Tables Gearmotors



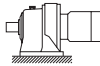
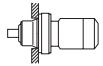
1.5 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

n₁: Motor Speed

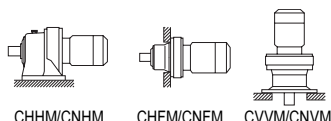
50Hz					60Hz					Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
580	23.5	2.39	1130	115	700	19.4	1.98	1090	111	2 - 6080SK	- 2.5 *3	B-98	-	B-133	
			1130	115				1090	111						
			2140	218				2050	209						
			2140	218				2050	209						
			2140	218				2050	209						
			2140	218				2050	209						
			2860	292				2710	276						
483	28.2	2.87	1170	119	583	23.3	2.38	1130	115	2 - 6080SK	- 3 *3	B-98	-	B-133	
			1170	119				1130	115						
			2230	227				2120	216						
			2230	227				2120	216						
			2230	227				2120	216						
			3060	312				2890	295						
			2230	227				2120	216						
363	37.5	3.83	1250	127	438	31.1	3.17	1210	123	2 - 6080SK	- 4 *3	B-98	-	B-133	
			1250	127				1210	123						
			2470	252				2370	242						
			2470	252				2370	242						
			2470	252				2370	242						
			3280	334				3100	316						
			2470	252				2370	242						
290	46.9	4.78	1290	132	350	38.9	3.96	1270	129	2 - 6085SK	- 5 *3	B-98	-	B-133	
			2590	264				2490	254						
			2590	264				2490	254						
			2590	264				2490	254						
			3460	353				3290	335						
			2590	264				2490	254						
			2590	264				2490	254						
242	56.3	5.74	1290	132	292	46.7	4.76	1290	131	2 - 6085SK	- 6 *3	B-98	-	B-133	
			2660	271				2530	258						
			2660	271				2530	258						
			2660	271				2530	258						
			2660	271				2530	258						
			3700	377				3510	358						
			2790	284				2630	268						
			4130	421				3880	396						
			4130	421				3880	396						
			4670	476				4390	447						
181	75.1	7.65	1290	132	219	62.2	6.34	1290	132	2 - 6085SK	- 8 *3	B-98	-	B-133	
			2870	293				2780	283						
			2870	293				2780	283						
			2870	293				2780	283						
			3950	403				3770	384						
			3950	403				3770	384						
			3090	315				2920	297						
			4600	469				4330	441						
			4600	469				4330	441						
			5210	531				4900	499						
			5210	531				4900	499						
			2990	305				2900	296						
			2990	305				2900	296						
145	93.9	9.57	2990	305	175	77.8	7.93	2900	296	2 - 6095SK	- 10 *3	B-98	-	B-133	
			4250	433				4050	413						
			4250	433				4050	413						
			4250	433				4050	413						

- "*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

1.5 kW		Hz		50Hz		60Hz		n ₁ : Motor Speed										
		P		4	6	4	6											
		n ₁	r/min	1450	980	1750	1165											
																		
								CHHM/CNHM	CHFM/CNFM	CNVM/CVVM								
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	CNHN	CNFM	CNVM			
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM			
132	103	10.5	3340	340	1.01	159	85.5	8.72	3300	336	1.01	2 -	6095	-	11	B-100	B-116	B-135
			5220	532	1.57				4920	501	1.57	2 -	6100	-	11	B-101	B-117	B-136
			5220	532	2.12				4920	501	2.12	2 -	6105	-	11	B-101	B-117	B-136
			5950	606	2.37				5600	571	2.37	2 -	6110	-	11	B-101	B-117	B-136
			5950	606	2.61				5600	571	2.61	2 -	6115	-	11	B-101	B-117	B-136
112	122	12.4	3340	340	1.01	135	101	10.3	3300	336	1.01	2 -	6095	-	13	B-100	B-116	B-135
			5400	550	1.57				5110	521	1.57	2 -	6100	-	13	B-101	B-117	B-136
			5400	550	2.12				5110	521	2.12	2 -	6105	-	13	B-101	B-117	B-136
			6150	627	2.37				5790	591	2.37	2 -	6110	-	13	B-101	B-117	B-136
6150	627	2.60	5790	591	2.60	2 -	6115	-	13	B-101	B-117	B-136						
96.7	141	14.4	3340	340	1.01	117	117	11.9	3280	335	1.01	2 -	6095	-	15	B-100	B-116	B-135
			5400	550	1.57				5400	550	1.57	2 -	6100	-	15	B-101	B-117	B-136
			5400	550	2.12				5400	550	2.12	2 -	6105	-	15	B-101	B-117	B-136
			6560	669	2.37				6180	630	2.37	2 -	6110	-	15	B-101	B-117	B-136
6560	669	2.60	6180	630	2.60	2 -	6115	-	15	B-101	B-117	B-136						
85.3	160	16.3	3340	340	1.01	103	132	13.5	3290	336	1.01	2 -	6095	-	17	B-100	B-116	B-135
			5400	550	1.33				5400	550	1.33	2 -	6100	-	17	B-101	B-117	B-136
			5400	550	1.64				5400	550	1.64	2 -	6105	-	17	B-101	B-117	B-136
			6620	675	2.12				6240	636	2.12	2 -	6110	-	17	B-101	B-117	B-136
6620	675	2.60	6240	636	2.60	2 -	6115	-	17	B-101	B-117	B-136						
69.0	197	20.1	3340	340	1.01	83.3	163	16.6	3260	332	1.01	2 -	6095	-	21	B-100	B-116	B-135
			5400	550	1.27				5400	550	1.29	2 -	6100	-	21	B-101	B-117	B-136
			5400	550	1.52				5400	550	1.56	2 -	6105	-	21	B-101	B-117	B-136
			7020	716	1.81				6620	675	1.81	2 -	6110	-	21	B-101	B-117	B-136
			7020	716	2.07				6620	675	2.07	2 -	6115	-	21	B-101	B-117	B-136
8260	842	2.64	7780	793	2.64	2 -	6120	-	21	B-101	B-117	B-136						
58.0	235	23.9	5400	550	1.11	70.0	194	19.8	5400	550	1.11	2 -	6105	-	25	B-101	B-117	B-136
			7120	726	1.27				6720	685	1.27	2 -	6110	-	25	B-101	B-117	B-136
			7120	726	1.48				6720	685	1.48	2 -	6115	-	25	B-101	B-117	B-136
			8650	882	2.06				8150	831	2.06	2 -	6120	-	25	B-101	B-117	B-136
8650	882	2.64	8150	831	2.64	2 -	6125	-	25	B-101	B-117	B-136						
50.0	272	27.7	5400	550	1.06	60.3	226	23.0	5400	550	1.06	2 -	6105	-	29	B-101	B-117	B-136
			7290	743	1.27				6900	703	1.27	2 -	6110	-	29	B-101	B-117	B-136
			7290	743	1.48				6900	703	1.48	2 -	6115	-	29	B-101	B-117	B-136
			8990	916	1.91				8470	863	1.99	2 -	6120	-	29	B-101	B-117	B-136
			8990	916	2.31				8470	863	2.51	2 -	6125	-	29	B-101	B-117	B-136
10500	1070	2.87	9920	1010	2.99	2 -	6130	-	29	B-102	B-118	B-137						
41.4	328	33.5	4820	491	0.80	50.0	272	27.7	5330	544	0.80	2 -	6105	-	35	B-101	B-117	B-136
			7310	745	1.00				7360	751	1.00	2 -	6110	-	35	B-101	B-117	B-136
			7310	745	1.21				7360	751	1.21	2 -	6115	-	35	B-101	B-117	B-136
			9490	967	1.58				8940	912	1.66	2 -	6120	-	35	B-101	B-117	B-136
			9490	967	1.92				8940	912	2.12	2 -	6125	-	35	B-101	B-117	B-136
			11100	1130	2.37				10400	1060	2.47	2 -	6130	-	35	B-102	B-118	B-137
11100	1130	2.74	10400	1060	2.83	2 -	6135	-	35	B-102	B-118	B-137						
33.7	404	41.1	7540	769	1.01	40.7	334	34.1	7610	776	1.01	2 -	6115	-	43	B-101	B-117	B-136
			9810	1000	1.27				9510	969	1.27	2 -	6120	-	43	B-101	B-117	B-136
			9810	1000	1.56				9510	969	1.59	2 -	6125	-	43	B-101	B-117	B-136
			11900	1210	1.93				11200	1140	1.99	2 -	6130	-	43	B-102	B-118	B-137
			11900	1210	2.23				11200	1140	2.51	2 -	6135	-	43	B-102	B-118	B-137
16000	1630	2.63	15900	1620	2.63	2 -	6140	-	43	B-102	B-118	B-137						
28.4	479	48.8	9810	1000	1.09	34.3	397	40.4	9810	1000	1.15	2 -	6120	-	51	B-101	B-117	B-136
			9810	1000	1.31				9810	1000	1.52	2 -	6125	-	51	B-101	B-117	B-136
			12400	1260	1.63				11700	1190	1.69	2 -	6130	-	51	B-102	B-118	B-137
			12400	1260	1.70				11700	1190	1.95	2 -	6135	-	51	B-102	B-118	B-137
			16000	1630	2.29				16000	1630	2.29	2 -	6140	-	51	B-102	B-118	B-137
			16000	1630	2.47				16000	1630	2.81	2 -	6145	-	51	B-102	B-118	B-137

Selection Tables Gearmotors



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

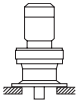
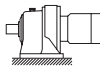
n₁: Motor Speed

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 CHHM	CNFM CHFM	CNVM CVVM						
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf												
24.6	554	56.4	9810	1000	1.08	29.7	459	46.8	9810	1000	1.08	2 -	6125	- 59	B-101	B-117	B-136				
			13000	1320	1.41				12200	1250	1.46	2 -	6130	- 59	B-102	B-118	B-137				
			13000	1320	1.63				12200	1250	1.68	2 -	6135	- 59	B-102	B-118	B-137				
			16000	1630	1.97				16000	1630	1.97	2 -	6140	- 59	B-102	B-118	B-137				
			16000	1630	2.12				16000	1630	2.43	2 -	6145	- 59	B-102	B-118	B-137				
			22100	2250	2.95				22100	2250	2.95	2 -	6160	- 59	B-103	B-119	B-138				
20.4	666	67.9	13700	1400	1.17	24.6	552	56.3	12900	1320	1.22	2 -	6130	- 71	B-102	B-118	B-137				
			13700	1400	1.35				12900	1320	1.45	2 -	6135	- 71	B-102	B-118	B-137				
			16000	1630	1.62				16000	1630	1.62	2 -	6140	- 71	B-102	B-118	B-137				
			16000	1630	1.75				16000	1630	2.02	2 -	6145	- 71	B-102	B-118	B-137				
			22100	2250	2.31				22100	2250	2.31	2 -	6160	- 71	B-103	B-119	B-138				
16.7	817	83.2	14700	1500	1.10	20.1	677	69.0	13900	1420	1.27	2 -	6135	- 87	B-102	B-118	B-137				
			16000	1630	1.32				16000	1630	1.32	2 -	6140	- 87	B-102	B-118	B-137				
			16000	1630	1.44				16000	1630	1.65	2 -	6145	- 87	B-102	B-118	B-137				
			22100	2250	2.15				22100	2250	2.31	2 -	6160	- 87	B-103	B-119	B-138				
			22100	2250	2.51				22100	2250	2.60	2 -	6165	- 87	B-103	B-119	B-138				
13.9	925	94.3	630	64.2	9810	1000	*1	16.8	766	78.1	630	64.2	9810	1000	*1	2 -	6125DB	- 104	B-108	B-124	B-143
			14700	1500	1.02	14700	1500				1.07	2 -	6135DB	- 104	B-109	B-125	B-144				
			14700	1500	1.02	14700	1500				1.23	2 -	6135DC	- 104	B-109	B-125	B-144				
			16000	1630	1.07	16000	1630				1.07	2 -	6140DB	- 104	B-109	B-125	B-144				
			16000	1630	1.32	16000	1630				1.60	2 -	6140DC	- 104	B-109	B-125	B-144				
			16000	1630	1.48	16000	1630				1.79	2 -	6145DC	- 104	B-109	B-125	B-144				
			22100	2250	1.90	22100	2250				2.24	2 -	6160DB	- 104	B-110	B-126	B-145				
			22100	2250	1.90	22100	2250				2.29	2 -	6160DC	- 104	B-111	B-127	B-146				
			22100	2250	2.24	22100	2250				2.24	2 -	6165DB	- 104	B-110	B-126	B-145				
			22100	2250	2.27	22100	2250				2.74	2 -	6165DC	- 104	B-111	B-127	B-146				
			29500	3010	2.73	29500	3010				3.30	2 -	6170DC	- 104	B-111	B-127	B-146				
12.0	1080	110	780	79.5	14700	1500	*1	14.5	891	90.9	780	79.5	14700	1500	*1	2 -	6130DB	- 121	B-109	B-125	B-144
			14700	1500	0.87	14700	1500				1.05	2 -	6135DB	- 121	B-109	B-125	B-144				
			16000	1630	1.07	16000	1630				1.07	2 -	6140DB	- 121	B-109	B-125	B-144				
			16000	1630	1.14	16000	1630				1.37	2 -	6140DC	- 121	B-109	B-125	B-144				
			16000	1630	1.20	16000	1630				1.45	2 -	6145DC	- 121	B-109	B-125	B-144				
			22100	2250	1.63	22100	2250				1.97	2 -	6160DB	- 121	B-110	B-126	B-145				
			22100	2250	1.95	22100	2250				2.24	2 -	6165DB	- 121	B-110	B-126	B-145				
			22100	2250	1.95	22100	2250				2.36	2 -	6165DC	- 121	B-111	B-127	B-146				
			29500	3010	2.24	29500	3010				2.24	2 -	6170DB	- 121	B-110	B-126	B-145				
			29500	3010	2.35	29500	3010				2.84	2 -	6170DC	- 121	B-111	B-127	B-146				
			29500	3010	2.93	29500	3010				3.53	2 -	6175DC	- 121	B-111	B-127	B-146				
10.1	1270	130	780	79.5	14700	1500	*1	12.2	1050	107	780	79.5	14700	1500	*1	2 -	6130DB	- 143	B-109	B-125	B-144
			940	95.8	14700	1500	*1				940	95.8	14700	1500	*1	2 -	6135DB	- 143	B-109	B-125	B-144
			16000	1630	1.07	16000	1630				1.07	2 -	6145DB	- 143	B-109	B-125	B-144				
			16000	1630	1.08	16000	1630				1.30	2 -	6145DC	- 143	B-109	B-125	B-144				
			22100	2250	1.38	22100	2250				1.67	2 -	6160DB	- 143	B-110	B-126	B-145				
			22100	2250	1.65	22100	2250				1.99	2 -	6165DB	- 143	B-110	B-126	B-145				
			29500	3010	1.99	29500	3010				2.24	2 -	6170DB	- 143	B-110	B-126	B-145				
			29500	3010	1.99	29500	3010				2.40	2 -	6170DC	- 143	B-111	B-127	B-146				
			29500	3010	2.24	29500	3010				2.24	2 -	6175DB	- 143	B-110	B-126	B-145				
			29500	3010	2.48	29500	3010				2.99	2 -	6175DC	- 143	B-111	B-127	B-146				

- "*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

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

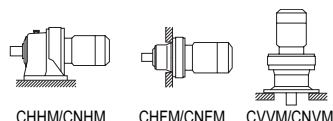


CHHM/CNHMCHFM/CNFM CVVM/CNVM

50Hz						60Hz						Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM	
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM	
8.79	940	95.8	14700	1500	*1	10.6	940	95.8	14700	1500	*1	2 -	6135DB	- 165	B-109	B-125	B-144	
			15500	1580	0.93				16000	1630	1.07	2 -	6145DB	- 165	B-109	B-125	B-144	
			15500	1580	0.93				16000	1630	1.12	2 -	6145DC	- 165	B-109	B-125	B-144	
			22100	2250	1.07				22100	2250	1.07	2 -	6160DA	- 165	B-110	B-126	B-145	
			22100	2250	1.20				22100	2250	1.44	2 -	6160DB	- 165	B-110	B-126	B-145	
			22100	2250	1.43				22100	2250	1.73	2 -	6165DB	- 165	B-110	B-126	B-145	
			29500	3010	1.72				29500	3010	2.08	2 -	6170DB	- 165	B-110	B-126	B-145	
			29500	3010	2.15				29500	3010	2.24	2 -	6175DB	- 165	B-110	B-126	B-145	
			41700	4250	2.24				41700	4250	2.24	2 -	6180DA	- 165	B-110	B-126	B-145	
			41700	4250	2.77				41700	4250	3.34	2 -	6180DB	- 165	B-111	B-127	B-146	
7.44	1230	125	16000	1630	*1	8.97	1230	125	16000	1630	*1	2 -	6140DB	- 195	B-109	B-125	B-144	
	1360	138	16000	1630	*1			1360	138	16000	1630	*1	2 -	6145DB	- 195	B-109	B-125	B-144
			22100	2250	1.01				22100	2250	1.07	2 -	6160DA	- 195	B-110	B-126	B-145	
			22100	2250	1.01				22100	2250	1.22	2 -	6160DB	- 195	B-110	B-126	B-145	
			22100	2250	1.07				22100	2250	1.07	2 -	6165DA	- 195	B-110	B-126	B-145	
			22100	2250	1.21				22100	2250	1.46	2 -	6165DB	- 195	B-110	B-126	B-145	
			29500	3010	1.46				29500	3010	1.76	2 -	6170DB	- 195	B-110	B-126	B-145	
			29500	3010	1.82				29500	3010	2.19	2 -	6175DB	- 195	B-110	B-126	B-145	
			41700	4250	2.24				41700	4250	2.24	2 -	6180DA	- 195	B-110	B-126	B-145	
			41700	4250	2.34				41700	4250	2.83	2 -	6180DB	- 195	B-111	B-127	B-146	
		41700	4250	2.84			41700	4250	3.43	2 -	6185DB	- 195	B-111	B-127	B-146			
6.28	1340	136	16000	1630	*1	7.58	1340	136	16000	1630	*1	2 -	6145DB	- 231	B-109	B-125	B-144	
			22100	2250	1.02				22100	2250	1.07	2 -	6165DA	- 231	B-110	B-126	B-145	
			22100	2250	1.02				22100	2250	1.23	2 -	6165DB	- 231	B-110	B-126	B-145	
			29500	3010	1.07				29500	3010	1.07	2 -	6170DA	- 231	B-110	B-126	B-145	
			29500	3010	1.23				29500	3010	1.49	2 -	6170DB	- 231	B-110	B-126	B-145	
			29500	3010	1.53				29500	3010	1.85	2 -	6175DB	- 231	B-110	B-126	B-145	
			41700	4250	1.97				41700	4250	2.24	2 -	6180DA	- 231	B-110	B-126	B-145	
			41700	4250	1.97				41700	4250	2.38	2 -	6180DB	- 231	B-111	B-127	B-146	
			41700	4250	2.24				41700	4250	2.24	2 -	6185DA	- 231	B-110	B-126	B-145	
			41700	4250	2.43				41700	4250	2.94	2 -	6185DB	- 231	B-111	B-127	B-146	
5.31	1760	179	22100	2250	*1	6.41	1760	179	22100	2250	*1	2 -	6160DA	- 273	B-110	B-126	B-145	
			22100	2250	0.87				22100	2250	1.04	2 -	6165DA	- 273	B-110	B-126	B-145	
			29500	3010	1.04				29500	3010	1.07	2 -	6170DA	- 273	B-110	B-126	B-145	
			29500	3010	1.04				29500	3010	1.26	2 -	6170DB	- 273	B-110	B-126	B-145	
			29500	3010	1.07				29500	3010	1.07	2 -	6175DA	- 273	B-110	B-126	B-145	
			29500	3010	1.30				29500	3010	1.57	2 -	6175DB	- 273	B-110	B-126	B-145	
			41700	4250	1.67				41700	4250	2.01	2 -	6180DA	- 273	B-110	B-126	B-145	
			41700	4250	2.06				41700	4250	2.24	2 -	6185DA	- 273	B-110	B-126	B-145	
			41700	4250	2.06				41700	4250	2.49	2 -	6185DB	- 273	B-111	B-127	B-146	
			59000	6010	2.63				59000	6010	3.17	2 -	6190DA	- 273	B-111	B-128	B-147	
4.55	1760	179	22100	2250	*1	5.49	1760	179	22100	2250	*1	2 -	6160DA	- 319	B-110	B-126	B-145	
	2100	214	22100	2250	*1			2100	214	22100	2250	*1	2 -	6165DA	- 319	B-110	B-126	B-145
			29500	3010	1.07				29500	3010	1.07	2 -	6175DA	- 319	B-110	B-126	B-145	
			29500	3010	1.11				29500	3010	1.34	2 -	6175DB	- 319	B-110	B-126	B-145	
			41700	4250	1.43				41700	4250	1.72	2 -	6180DA	- 319	B-110	B-126	B-145	
			41700	4250	1.76				41700	4250	2.13	2 -	6185DA	- 319	B-110	B-126	B-145	
			59000	6010	2.25				59000	6010	2.71	2 -	6190DA	- 319	B-111	B-128	B-147	
			59000	6010	2.81				59000	6010	3.39	2 -	6195DA	- 319	B-111	B-128	B-147	

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

Selection Tables Gearmotors



1.5 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 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
3.85	2100	214	22100	2250	*1	4.64	2100	214	22100	2250	*1	2 -	6165DA	- 377	B-110	B-126	B-145
	2530	258	29500	3010	*1		2530	258	29500	3010	*1	2 -	6170DA	- 377	B-110	B-126	B-145
			29500	3010	0.94				29500	3010	1.07	2 -	6175DA	- 377	B-110	B-126	B-145
			29500	3010	0.94				29500	3010	1.13	2 -	6175DB	- 377	B-110	B-126	B-145
			41700	4250	1.21				41700	4250	1.46	2 -	6180DA	- 377	B-110	B-126	B-145
	3350	342	41700	4250	1.49		2780	283	41700	4250	1.80	2 -	6185DA	- 377	B-110	B-126	B-145
			59000	6010	1.90				59000	6010	2.30	2 -	6190DA	- 377	B-111	B-128	B-147
			59000	6010	2.37				59000	6010	2.87	2 -	6195DA	- 377	B-111	B-128	B-147
3.07	3150	321	29500	3010	*1	3.70	3150	321	29500	3010	*1	2 -	6175DA	- 473	B-110	B-126	B-145
			41700	4250	1.19				41700	4250	1.43	2 -	6185DA	- 473	B-110	B-126	B-145
	4210	429	59000	6010	1.52		3480	355	59000	6010	1.83	2 -	6190DA	- 473	B-111	B-128	B-147
			59000	6010	1.89				59000	6010	2.28	2 -	6195DA	- 473	B-111	B-128	B-147
2.59	3150	321	29500	3010	*1	3.13	3150	321	29500	3010	*1	2 -	6175DA	- 559	B-110	B-126	B-145
	4060	414	41700	4250	*1		4060	414	41700	4250	*1	2 -	6180DA	- 559	B-110	B-126	B-145
			41700	4250	1.01				41700	4250	1.21	2 -	6185DA	- 559	B-110	B-126	B-145
	4970	507	59000	6010	1.28		4120	420	59000	6010	1.55	2 -	6190DA	- 559	B-111	B-128	B-147
		59000	6010	1.60			59000	6010	1.93	2 -	6195DA	- 559	B-111	B-128	B-147		
2.23	4050	413	41700	4250	*1	2.70	4050	413	41700	4250	*1	2 -	6180DA	- 649	B-110	B-126	B-145
			41300	4210	0.87				41700	4250	1.05	2 -	6185DA	- 649	B-110	B-126	B-145
	5770	588	58700	5990	1.11		4780	487	59000	6010	1.33	2 -	6190DA	- 649	B-111	B-128	B-147
			58700	5990	1.38				59000	6010	1.66	2 -	6195DA	- 649	B-111	B-128	B-147
1.98	4060	414	41700	4250	*1	2.39	4060	414	41700	4250	*1	2 -	6180DA	- 731	B-110	B-126	B-145
	5000	510	41700	4250	*1		5000	510	41700	4250	*1	2 -	6185DA	- 731	B-110	B-126	B-145
	6500	663	59000	6010	1.22		5390	549	59000	6010	1.48	2 -	6195DA	- 731	B-111	B-128	B-147
1.72	5000	510	41700	4250	*1	2.08	5000	510	41700	4250	*1	2 -	6185DA	- 841	B-110	B-126	B-145
	7480	762	59000	6010	1.06		6200	632	59000	6010	1.28	2 -	6195DA	- 841	B-111	B-128	B-147
			59000	6010	1.06				59000	6010	1.28	2 -	6195DB	- 841	B-112	B-128	B-147
1.45	6380	650	58600	5970	*1	1.74	6380	650	58600	5970	*1	2 -	6190DA	- 1003	B-111	B-128	B-147
	8920	909	57900	5900	0.89		7390	753	58300	5940	1.08	2 -	6195DA	- 1003	B-111	B-128	B-147
1.16	7960	811	59000	6010	*1	1.40	7960	811	59000	6010	*1	2 -	6195DA	- 1247	B-111	B-128	B-147
0.980	8760	893	84100	8570	*1	1.18	8360	853	84100	8570	*1	2 -	6205DA	- 1479	B-112	B-129	B-148
	13200	1340	104000	10600	0.86		10900	1110	104000	10600	1.03	2 -	6215DA	- 1479	B-112	B-129	B-148
0.784	9300	948	84100	8570	*1	0.946	9300	948	84100	8570	*1	2 -	6205DA	- 1849	B-112	B-129	B-148
	12700	1290	104000	10600	*1		12700	1290	104000	10600	*1	2 -	6215DA	- 1849	B-112	B-129	B-148
	16400	1680	145000	14800	0.97		13600	1390	145000	14800	1.17	2 -	6225DA	- 1849	B-113	B-130	B-149
0.702	9300	948	84100	8570	*1	0.847	9300	948	84100	8570	*1	2 -	6205DA	- 2065	B-112	B-129	B-148
	12700	1290	104000	10600	*1		12700	1290	104000	10600	*1	2 -	6215DA	- 2065	B-112	B-129	B-148
	18400	1870	145000	14800	0.86		15200	1550	145000	14800	1.04	2 -	6225DA	- 2065	B-113	B-130	B-149
0.572	12700	1290	104000	10600	*1	0.690	12700	1290	104000	10600	*1	2 -	6215DA	- 2537	B-112	B-129	B-148
	15900	1620	145000	14800	*1		15900	1620	145000	14800	*1	2 -	6225DA	- 2537	B-113	B-130	B-149
0.476	11300	1150	104000	10600	*1	0.575	11300	1150	104000	10600	*1	2 -	6215DA	- 3045	B-112	B-129	B-148
	15100	1540	145000	14800	*1		15100	1540	145000	14800	*1	2 -	6225DA	- 3045	B-113	B-130	B-149
0.417	12700	1290	104000	10600	*1	0.503	12700	1290	104000	10600	*1	2 -	6215DA	- 3481	B-112	B-129	B-148
	15900	1620	145000	14800	*1		15900	1620	145000	14800	*1	2 -	6225DA	- 3481	B-113	B-130	B-149
0.327	11300	1150	104000	10600	*1	0.394	11300	1150	104000	10600	*1	2 -	6215DA	- 4437	B-112	B-129	B-148
	15100	1540	145000	14800	*1		15100	1540	145000	14800	*1	2 -	6225DA	- 4437	B-113	B-130	B-149
0.282	12700	1290	104000	10600	*1	0.341	12700	1290	104000	10600	*1	2 -	6215DA	- 5133	B-112	B-129	B-148
	15900	1620	145000	14800	*1		15900	1620	145000	14800	*1	2 -	6225DA	- 5133	B-113	B-130	B-149

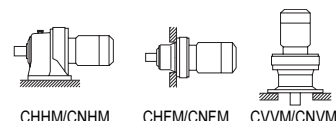
GEARMOTORS

Selection Tables
1.5 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 "*1" in the SF column. They cannot be operated with 100% motor rating.

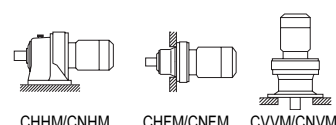
Selection Tables Gearmotors

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

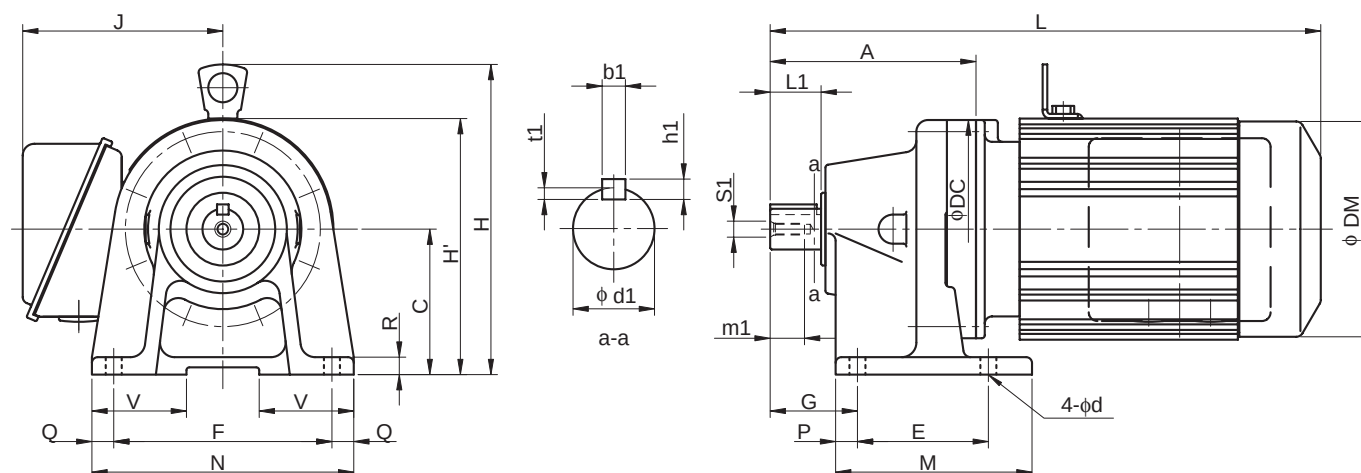
2.2 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



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.

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 606□ to 609□

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
606□	92	80	110	60	120	41	84	144	12	12	10	35	9	14	25	5	5	3	M5	16
607□	98	80	110	60	120	47	84	144	12	12	10	35	9	18	30	6	6	3.5	M6	16
608□	129	90	134	75	120	52	99	144	12	12	13	37	9	22	35	6	6	3.5	M6	16
609□	142	100	150	90	150	60	135	180	15	15	12	40	11	28	35	8	7	4	M8	20

Model Note 4, 5	Motor		Standard							With Brake						
	kW	P	L	H	H'	J	DM	W(kg)		L	H	H'	J	DM	W(kg)	
CNHM01 - 606□ - (B) - Ratio	0.1	4	254	-	140	130	119	7		261	-	138	130	124	8	
CNHM02 - 606□ - (B) - Ratio	0.2	4	272	-	138	130	124	8		300	-	138	130	124	9	
CNHM03 - 606□ - (B) - Ratio	0.25	4	272	-	138	130	124	8		300	-	138	130	124	9	
CNHM01 - 607□ - (B) - Ratio	0.1	4	260	-	140	130	119	7		267	-	138	130	124	8	
CNHM02 - 607□ - (B) - Ratio	0.2	4	278	-	138	130	124	8		306	-	138	130	124	9	
CNHM03 - 607□ - (B) - Ratio	0.25	4	278	-	138	130	124	8		306	-	138	130	124	9	
CNHM05 - 607□ - (B) - Ratio	0.4	4	294	-	138	130	124	9		326	-	138	130	124	10	
CNHM01 - 608□ - (B) - Ratio	0.1	4	286	-	157	130	119	10		293	-	157	130	124	11	
CNHM02 - 608□ - (B) - Ratio	0.2	4	304	-	157	130	124	11		332	-	157	130	124	12	
CNHM03 - 608□ - (B) - Ratio	0.25	4	304	-	157	130	124	11		332	-	157	130	124	12	
CNHM05 - 608□ - (B) - Ratio	0.4	4	320	-	157	130	124	13		352	-	157	130	124	14	
CNHM08 - 608□ - (B) - Ratio	0.55	4	361	203	-	140	148	17		404	203	-	140	148	18	
CNHM1 - 608□ - (B) - Ratio	0.75	4	361	203	-	140	148	17		404	203	-	140	148	18	
CNHM01 - 609□ - (B) - Ratio	0.1	4	304	-	175	130	119	12		311	-	175	130	124	14	
CNHM02 - 609□ - (B) - Ratio	0.2	4	322	-	175	130	124	13		350	-	175	130	124	15	
CNHM03 - 609□ - (B) - Ratio	0.25	4	322	-	175	130	124	13		350	-	175	130	124	15	
CNHM05 - 609□ - (B) - Ratio	0.4	4	338	-	175	130	124	14		370	-	175	130	124	16	
CNHM08 - 609□ - (B) - Ratio	0.55	4	379	213	-	140	148	18		422	213	-	140	148	21	
CNHM1 - 609□ - (B) - Ratio	0.75	4	379	213	-	140	148	18		422	213	-	140	148	21	
CNHM1H - 609□ - (B) - Ratio	1.1	4	412	220	-	145	160	21		474	220	-	145	160	26	
CNHM2 - 609□ - (B) - Ratio	1.5	4	412	220	-	145	160	21		474	220	-	145	160	26	

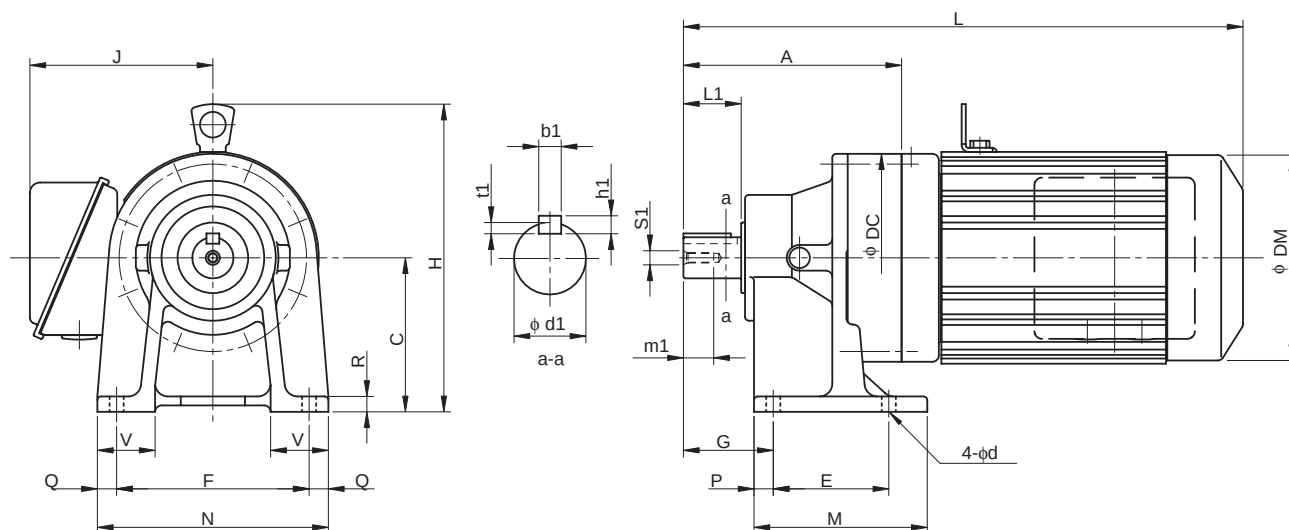
Note: 1. □ indicates motor capacity.

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

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

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 610□ to 612□



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

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

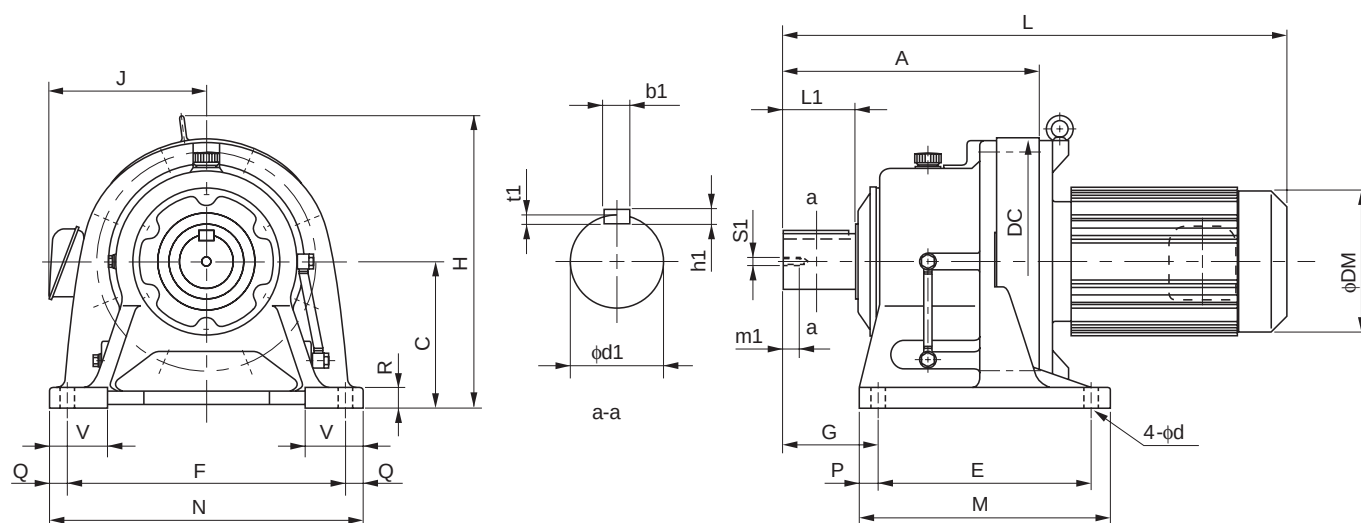
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 613□ to 614□

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

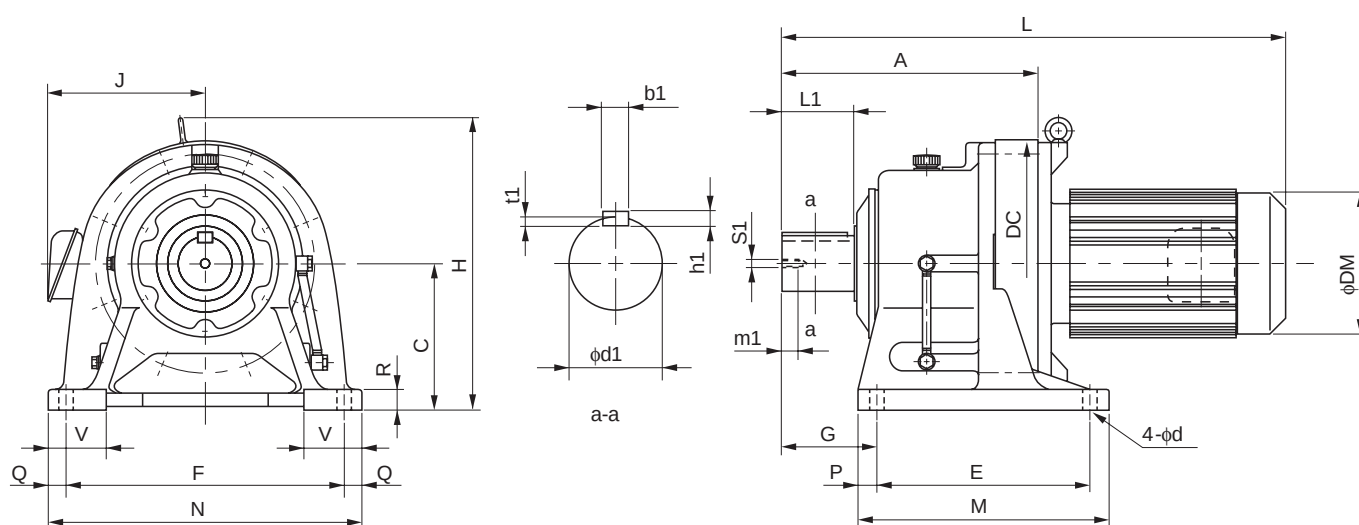
Model Note 4, 5	Motor		Standard						With Brake				
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)
CHHM08 - 613□ - (B) - Ratio	0.55	4	477	265	140	148	51		520	265	140	148	54
CHHM1 - 613□ - (B) - Ratio	0.75	4	477	265	140	148	51		520	265	140	148	54
CHHM1H - 613□ - (B) - Ratio	1.1	4	510	268	145	160	55		572	268	145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

Note: 1. □ indicates motor capacity.

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 616□ to 617□

GEARMOTORS

Dimension Tables
CHHM

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

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

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

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

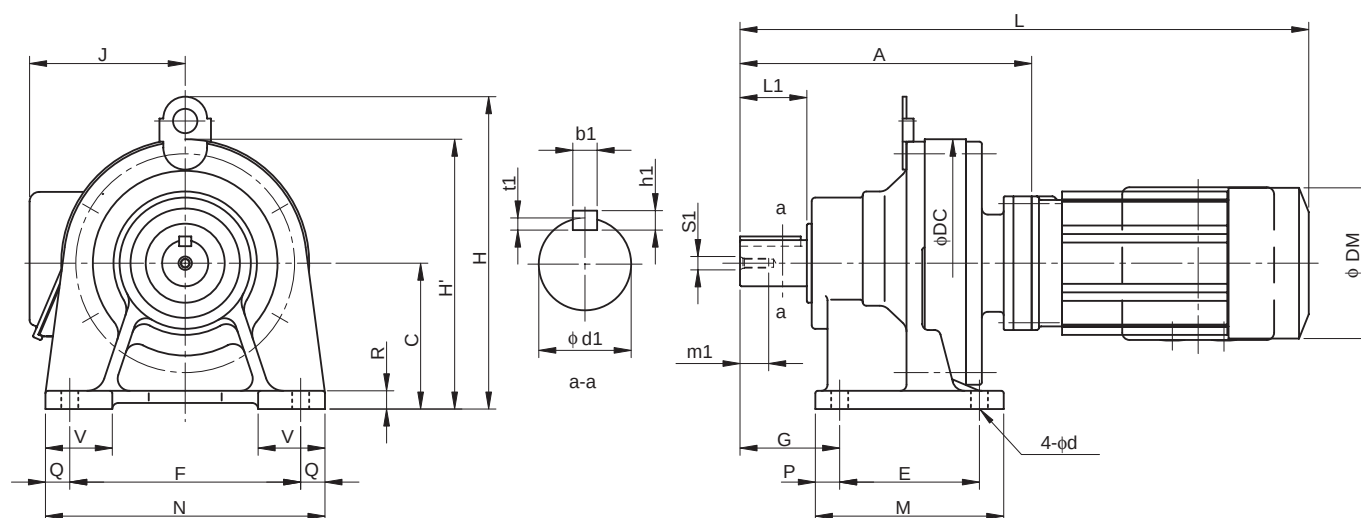
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (Universal Direction, Foot-Mount)

CNHM^{Note 1} - 606□DA to 612□DB

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

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

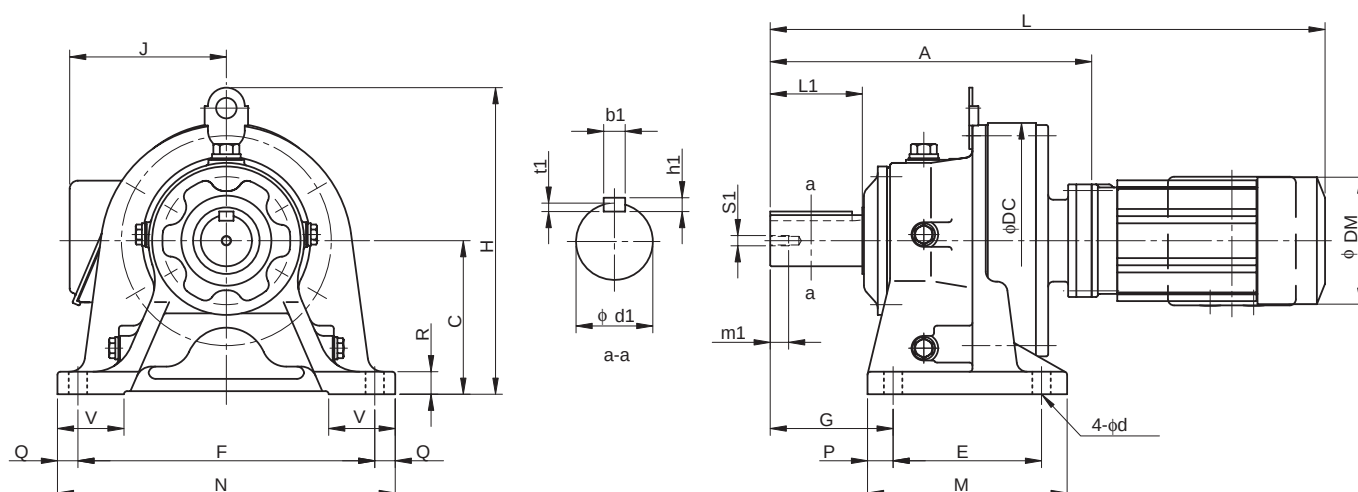
Note: 1. □ indicates motor capacity.

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 613□DA to 614□DC



GEARMOTORS

Dimension Tables
CHHM

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

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

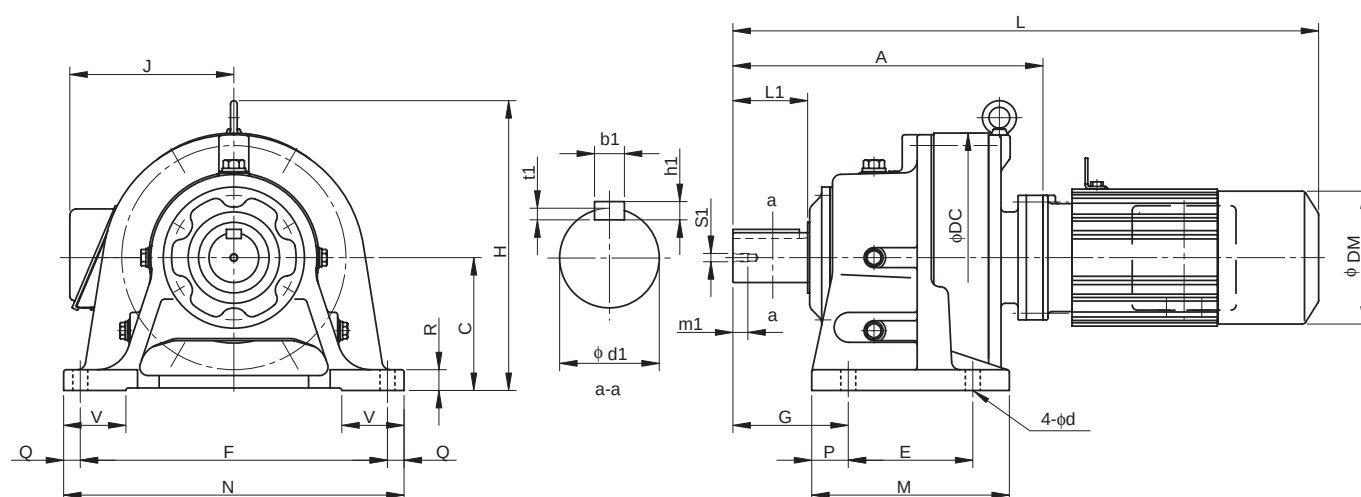
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 616□DA to 618□DA

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

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

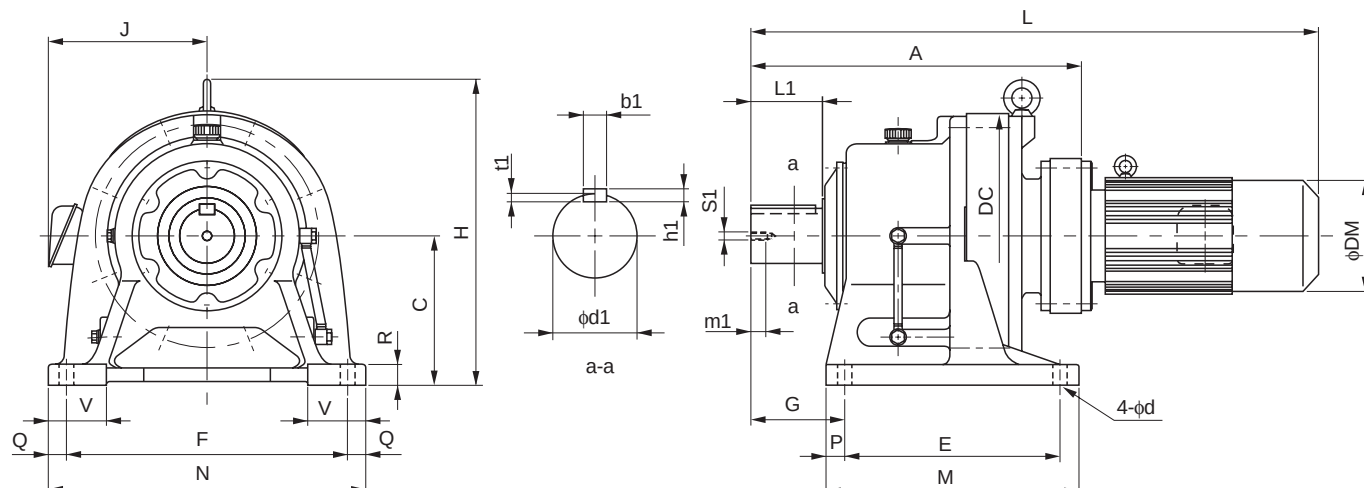
Note: 1. □ indicates motor capacity.

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 616□DC to 619□DA



GEARMOTORS

Dimension Tables
CHHM

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

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

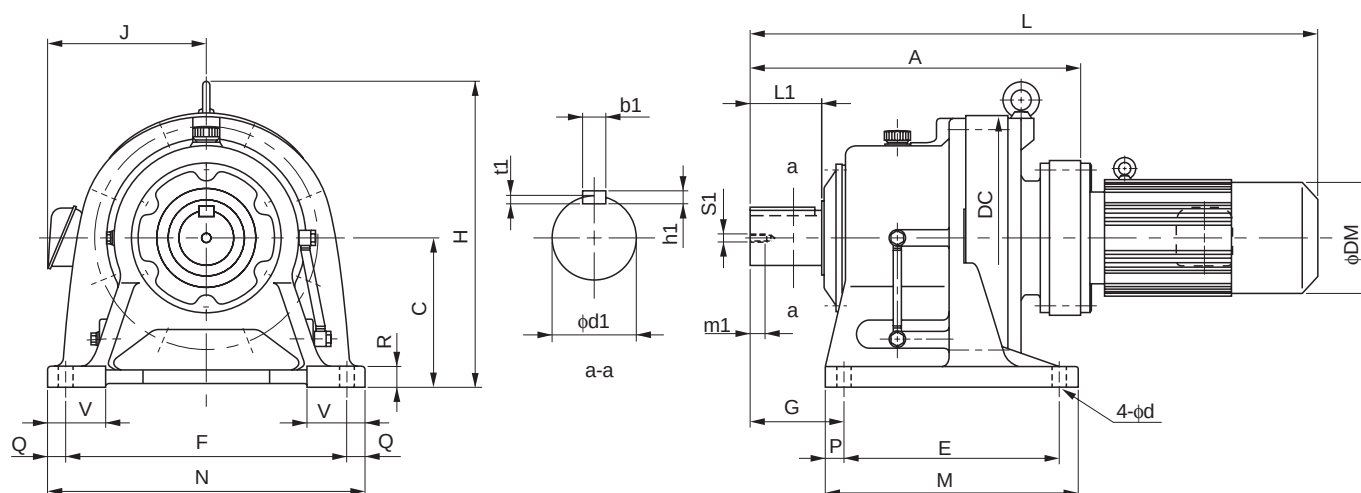
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 619□DB to 6215DA

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

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

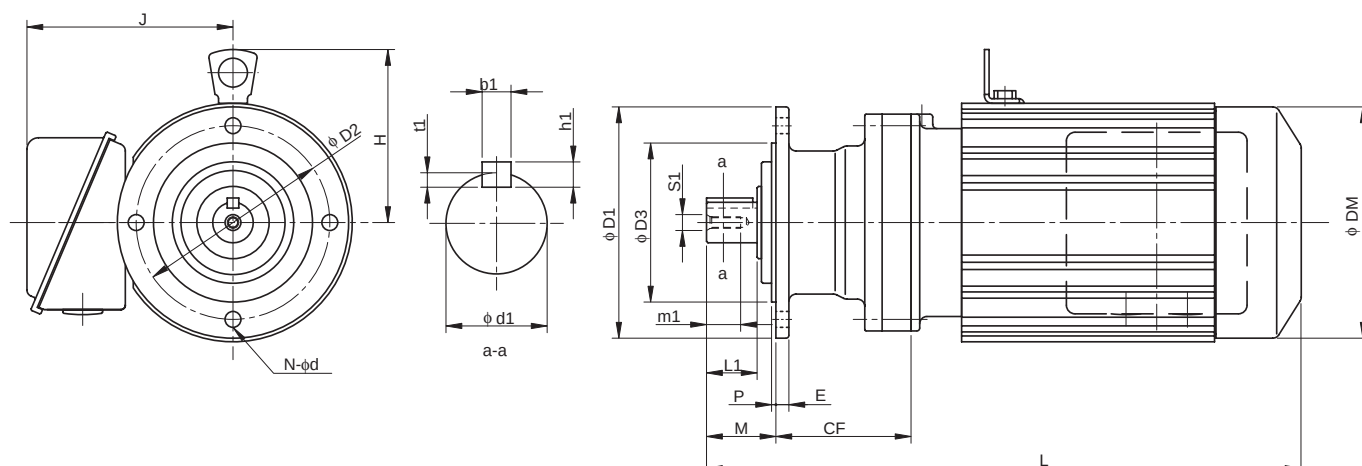
Note: 1. □ indicates motor capacity.

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

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

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

CNVM^{Note 1} - 606□ to 609□



GEARMOTORS

 Dimension Tables
CNVM

Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	H	Output Shaft Note 2, 3, 7						
											d1	L1	b1	h1	t1	S1	m1
606□	58	120	102	80	34	8	3	6	9	-	14	25	5	5	3	M5	16
607□	56	160	134	110	42	9	3	4	11	-	18	30	6	6	3.5	M6	16
608□	81	160	134	110	48	9	3	4	11	-	22	35	6	6	3.5	M6	16
609□	94	160	134	110	48	9	3	4	11	107	28	35	8	7	4	M8	20

Model Note 5, 6	Motor		Standard				With Brake			
	kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CNVM01 - 606□ - (B) - Ratio	0.1	4	254	130	119	7	261	130	124	9
CNVM02 - 606□ - (B) - Ratio	0.2	4	272	130	124	8	300	130	124	10
CNVM03 - 606□ - (B) - Ratio	0.25	4	272	130	124	9	300	130	124	10
CNVM01 - 607□ - (B) - Ratio	0.1	4	260	130	119	9	267	130	124	10
CNVM02 - 607□ - (B) - Ratio	0.2	4	278	130	124	10	306	130	124	11
CNVM03 - 607□ - (B) - Ratio	0.25	4	278	130	124	10	306	130	124	11
CNVM05 - 607□ - (B) - Ratio	0.4	4	294	130	124	11	326	130	124	12
CNVM01 - 608□ - (B) - Ratio	0.1	4	286	130	119	12	293	130	124	13
CNVM02 - 608□ - (B) - Ratio	0.2	4	304	130	124	13	332	130	124	14
CNVM03 - 608□ - (B) - Ratio	0.25	4	304	130	124	13	332	130	124	14
CNVM05 - 608□ - (B) - Ratio	0.4	4	320	130	124	15	352	130	124	16
CNVM08 - 608□ - (B) - Ratio	0.55	4	361	140	148	19	404	140	148	20
CNVM1 - 608□ - (B) - Ratio	0.75	4	361	140	148	19	404	140	148	20
CNVM01 - 609□ - (B) - Ratio	0.1	4	304	130	119	13	311	130	124	15
CNVM02 - 609□ - (B) - Ratio	0.2	4	322	130	124	14	350	130	124	16
CNVM03 - 609□ - (B) - Ratio	0.25	4	322	130	124	14	350	130	124	16
CNVM05 - 609□ - (B) - Ratio	0.4	4	338	130	124	15	370	130	124	17
CNVM08 - 609□ - (B) - Ratio	0.55	4	379	140	148	19	422	140	148	22
CNVM1 - 609□ - (B) - Ratio	0.75	4	379	140	148	19	422	140	148	22
CNVM1H - 609□ - (B) - Ratio	1.1	4	412	145	160	22	474	145	160	27
CNVM2 - 609□ - (B) - Ratio	1.5	4	412	145	160	22	474	145	160	27

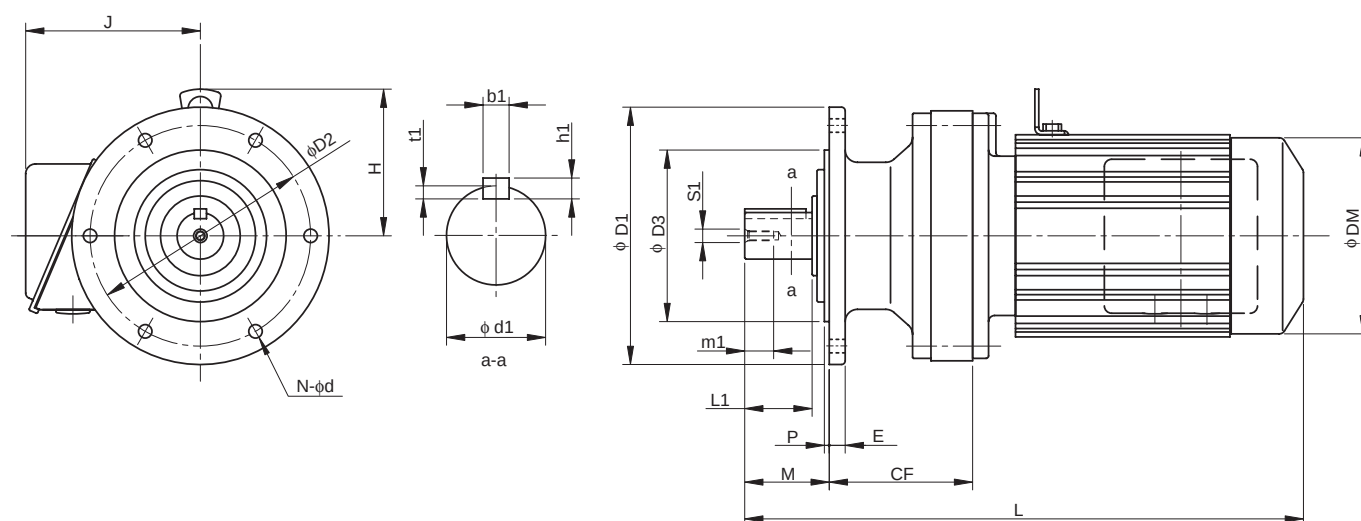
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

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

CNVM^{Note 1} - 610□ to 612□

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

Model Note 5, 6	Motor		Standard					With Brake			
	kW	P	L	J	DM	W(kg)		L	J	DM	W(kg)
CNVM02 - 610□ - (B) - Ratio	0.2	4	336	130	124	16		364	130	124	18
CNVM03 - 610□ - (B) - Ratio	0.25	4	336	130	124	16		364	130	124	18
CNVM05 - 610□ - (B) - Ratio	0.4	4	352	130	124	17		384	130	124	19
CNVM08 - 610□ - (B) - Ratio	0.55	4	393	140	148	21		436	140	148	24
CNVM1 - 610□ - (B) - Ratio	0.75	4	393	140	148	21		436	140	148	24
CNVM1H - 610□ - (B) - Ratio	1.1	4	426	145	160	25		488	145	160	30
CNVM2 - 610□ - (B) - Ratio	1.5	4	426	145	160	25		488	145	160	30
CNVM3 - 610□ - (B) - Ratio	2.2	4	446	152	173	29		509	152	173	35
CNVM05 - 611□ - (B) - Ratio	0.4	4	363	130	124	19		394	130	124	21
CNVM08 - 611□ - (B) - Ratio	0.55	4	403	140	148	22		452	140	148	25
CNVM1 - 611□ - (B) - Ratio	0.75	4	403	140	148	22		452	140	148	25
CNVM1H - 611□ - (B) - Ratio	1.1	4	436	145	160	25		493	145	160	30
CNVM2 - 611□ - (B) - Ratio	1.5	4	436	145	160	25		493	145	160	30
CNVM3 - 611□ - (B) - Ratio	2.2	4	456	152	173	29		519	152	173	35
CNVM4 - 611□ - (B) - Ratio	3.0	4	491	168	212	39		563	168	212	49
CNVM5 - 611□ - (B) - Ratio	3.7	4	491	168	212	39		563	168	212	49
CNVM05 - 612□ - (B) - Ratio	0.4	4	387	130	124	30		419	130	124	31
CNVM08 - 612□ - (B) - Ratio	0.55	4	423	140	148	31		466	140	148	34
CNVM1 - 612□ - (B) - Ratio	0.75	4	423	140	148	31		466	140	148	34
CNVM1H - 612□ - (B) - Ratio	1.1	4	456	145	160	35		518	145	160	40
CNVM2 - 612□ - (B) - Ratio	1.5	4	456	145	160	35		518	145	160	40
CNVM3 - 612□ - (B) - Ratio	2.2	4	476	152	173	39		539	152	173	46
CNVM4 - 612□ - (B) - Ratio	3.0	4	499	168	212	49		571	168	212	59
CNVM5 - 612□ - (B) - Ratio	3.7	4	499	168	212	49		571	168	212	59
CNVM8 - 612□ - (B) - Ratio	5.5	4	543	168	212	56		615	168	212	66

Note: 1. □ indicates motor capacity.

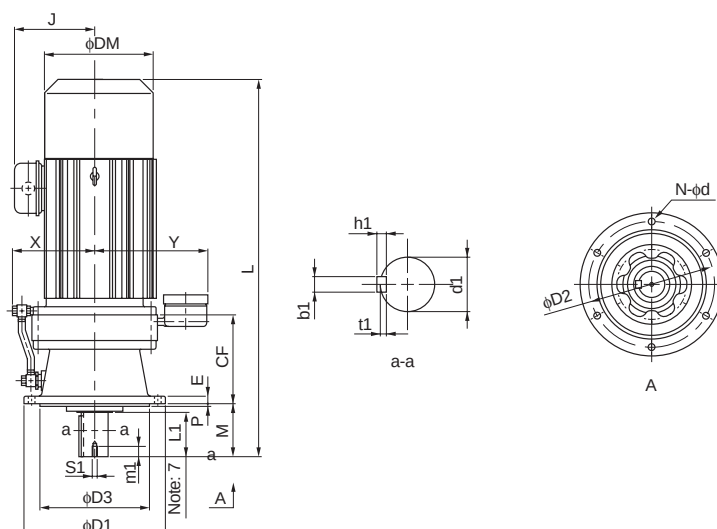
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

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

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

CVVM^{Note 1} - 613□ to 614□



GEARMOTORS

 Dimension Tables
CVVM

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

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

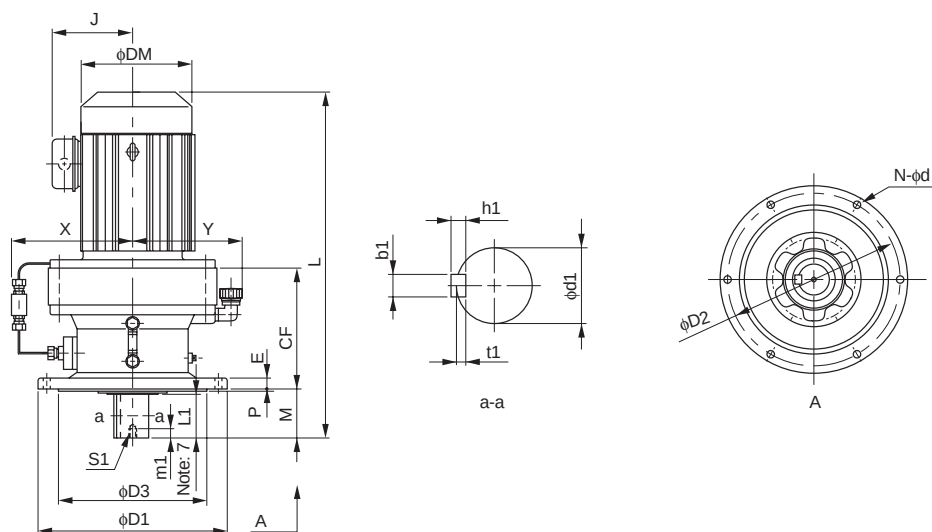
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (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

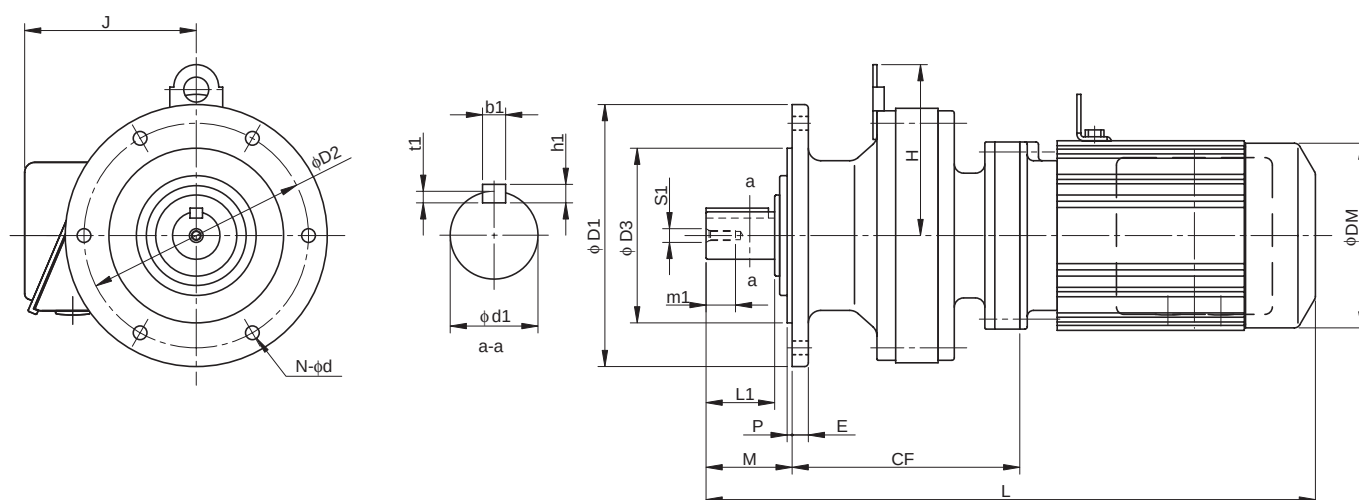
Note: 1. □ indicates motor capacity.

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 (Universal Direction, V-Flange Mount)

CNVM^{Note 1} - 606□DA to 612□DB

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

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

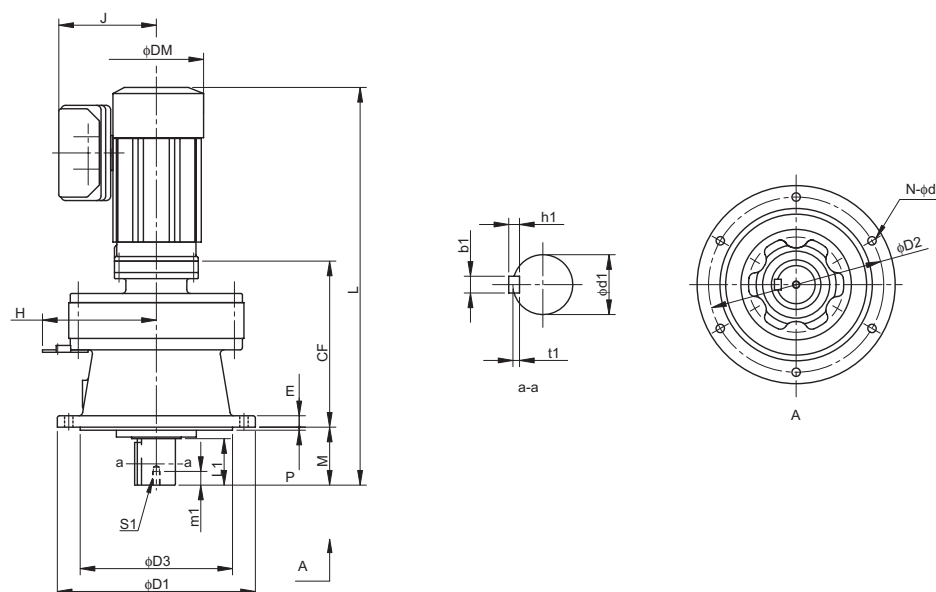
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

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

CVVM^{Note 1} - 613□DA to 614□DC

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

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

Note: 1. □ indicates motor capacity.

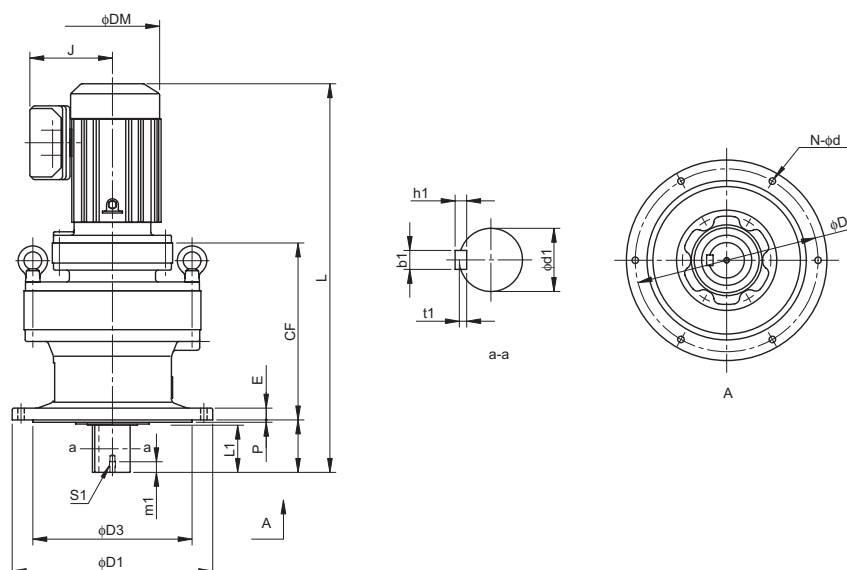
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

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

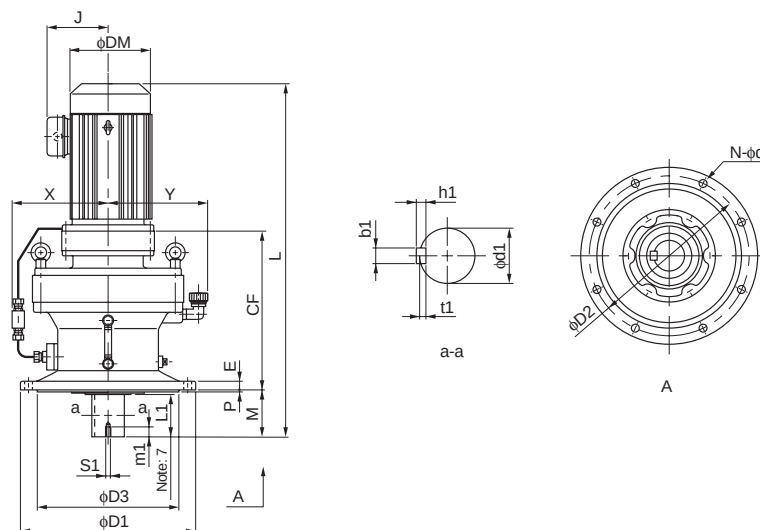
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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.

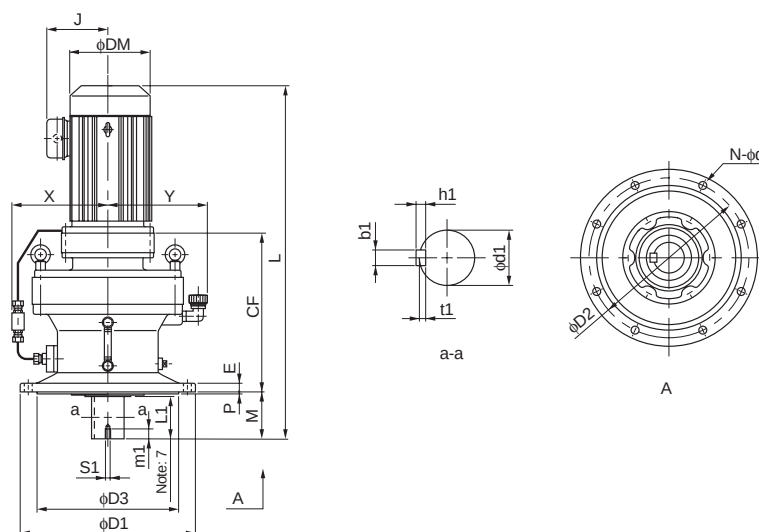
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

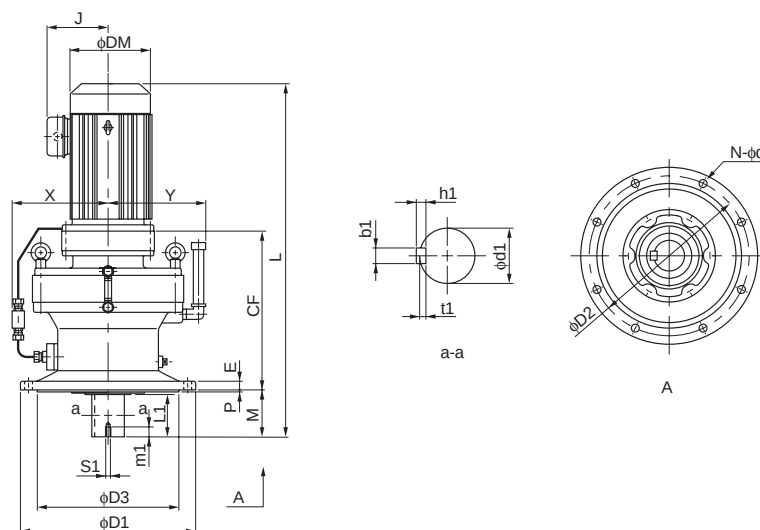
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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.

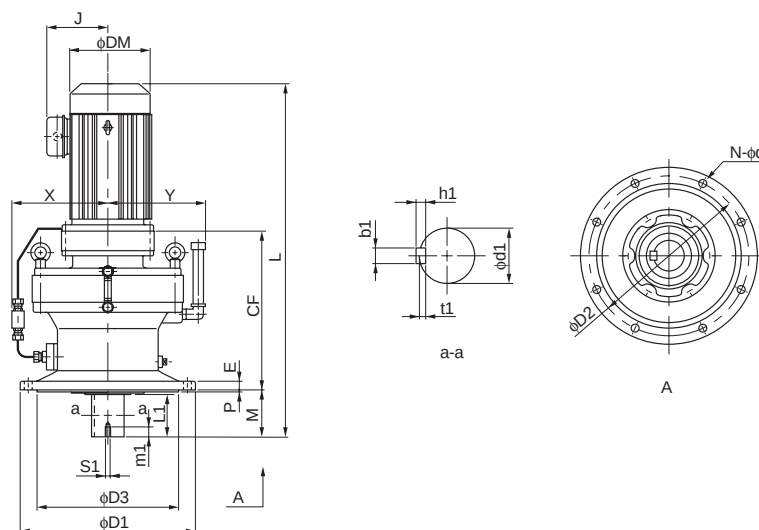
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

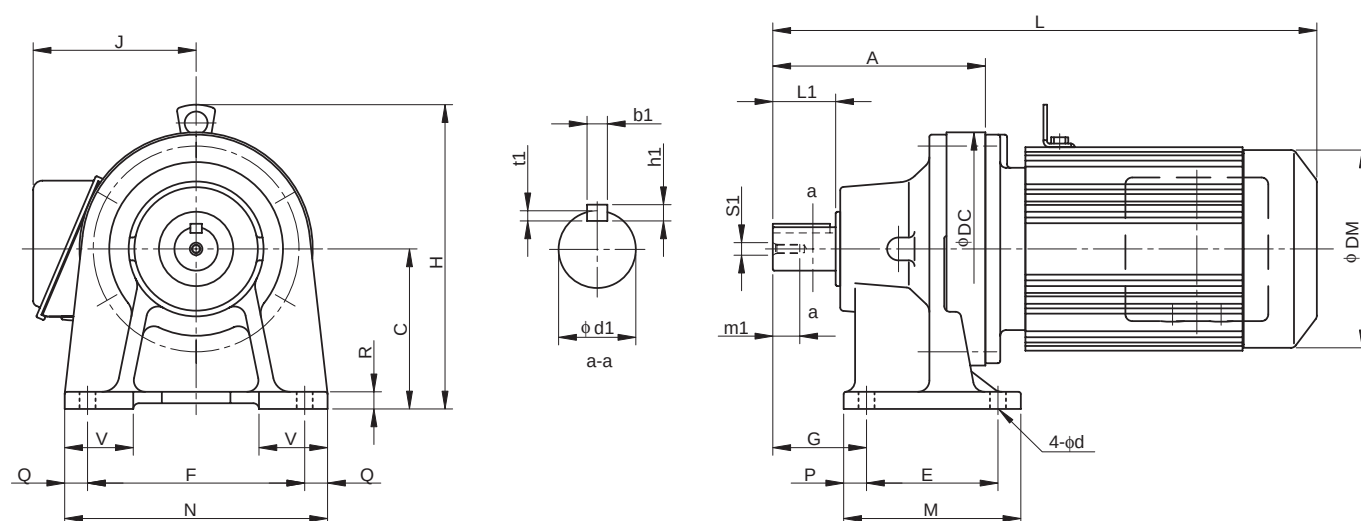
Model	^{Note 5}	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM5 - 6215DB - (B) - Ratio		3.7	4	993	168	212	377	1065	168	212	387
CVVM8 - 6215DB - (B) - Ratio		5.5	4	1037	168	212	384	1109	168	212	400
CVVM10 - 6215DB - (B) - Ratio		7.5	4	1060	213	251	400	1155	213	251	417
CVVM15 -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

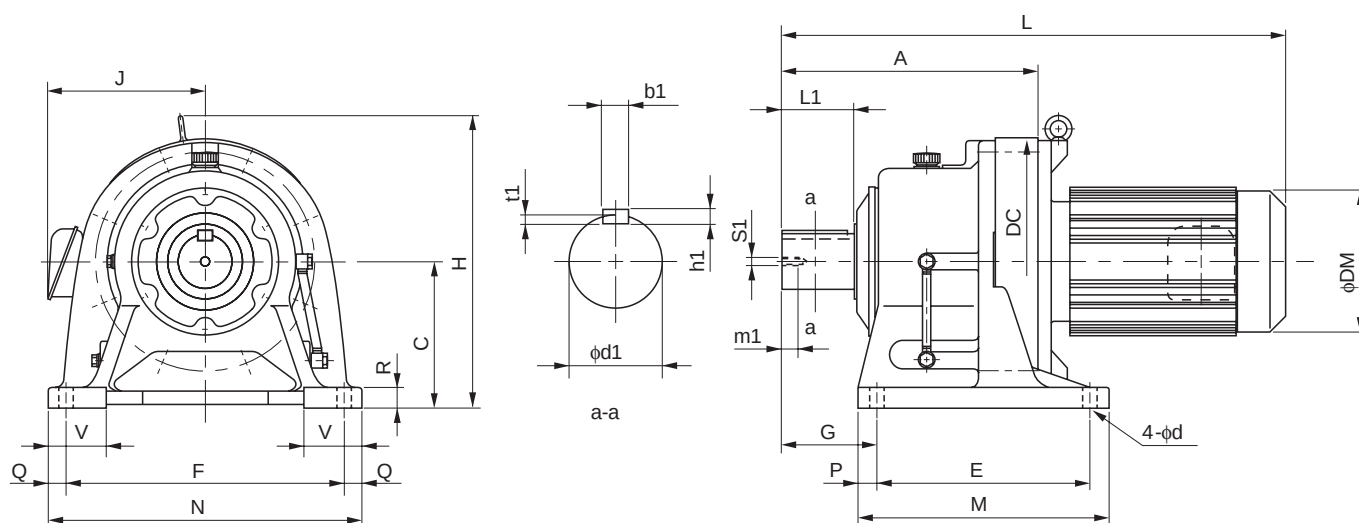
Note: 1. $\square$ indicates motor capacity.

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.