

CYCLO DRIVE WARRANTY 2 YEARS

Sumitomo Drive Technologies
» Building Tomorrow Together

CYCLO DRIVE GEAR MOTOR
CNHM CHHM CNVM CVVM

Sumitomo
Drive Technologies
CYCLO 6000

Sumitomo
Drive Technologies
CYCLO 6000

Sumitomo Drive Technologies

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LET'S SUMITOMO GEAR MOTOR

Nomenclature

CYCLO DRIVE WARRANTY 2 YEARS

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

Mounting style	
Foot	H
V flange	V
Flange	F

Type of Input	
Gearmotor	M
With adaptor	JM

Special Specifications	
Standard specification	blank
Special specification	S

Motor Capacity Symbol

	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

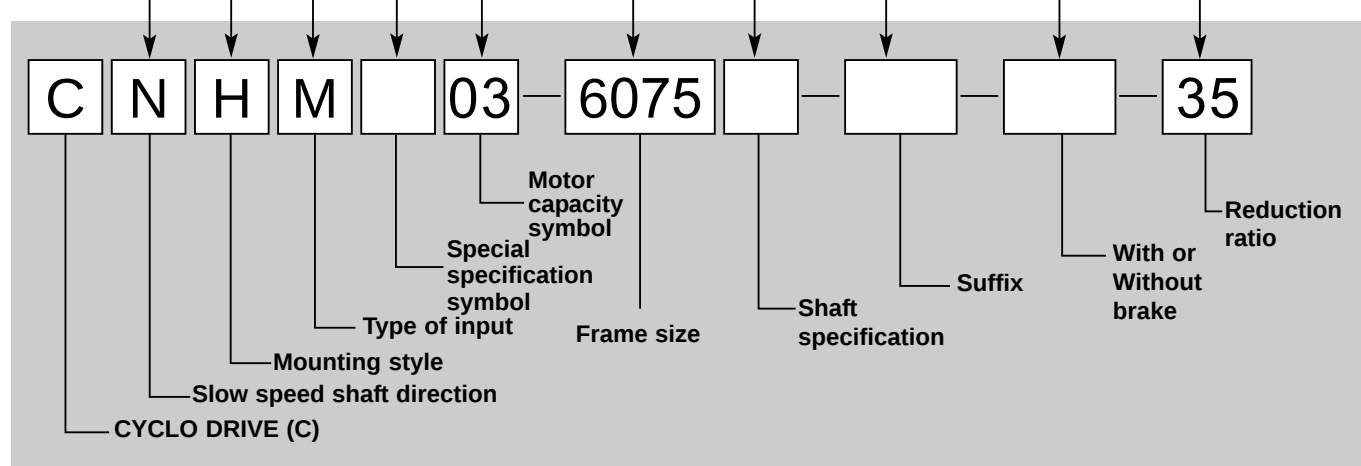
Suffix

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

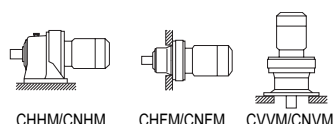
Nominal ratio



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

1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n_1 and n_2 . Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4~F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



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

n₁: Motor Speed

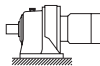
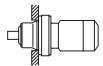
50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHF	CVVM
20.4	111	11.3	3340	340	1.01	24.6	92	9.4	3340	340	1.01	03 -	6090	- 71	B-100	B-116	B-135
			3340	340	1.11				3340	340	1.20	03 -	6095	- 71	B-100	B-116	B-135
			5400	550	1.74				5400	550	1.74	03 -	6100	- 71	B-101	B-117	B-136
			5400	550	2.02				5400	550	2.24	03 -	6105	- 71	B-101	B-117	B-136
16.7	136	13.9	3340	340	1.05	20.1	113	11.5	3340	340	1.20	03 -	6095	- 87	B-100	B-116	B-135
			5400	550	1.73				5400	550	1.73	03 -	6100	- 87	B-101	B-117	B-136
			5400	550	2.01				5400	550	2.26	03 -	6105	- 87	B-101	B-117	B-136
13.9	154	15.7	3340	340	1.17	16.8	128	13.0	3340	340	1.42	03 -	6095DA	- 104	B-108	B-124	B-143
			5400	550	1.62				5400	550	1.72	03 -	6100DA	- 104	B-108	B-124	B-143
			5400	550	1.72				5400	550	1.72	03 -	6105DA	- 104	B-108	B-124	B-143
12.2	186	19.0	5400	550	1.14	14.7	154	15.7	5400	550	1.14	03 -	6105	- 119	B-101	B-117	B-136
12.0	179	18.3	3340	340	0.89	14.5	149	15.1	3340	340	1.08	03 -	6095DA	- 121	B-108	B-124	B-143
			5400	550	1.39				5400	550	1.68	03 -	6100DA	- 121	B-108	B-124	B-143
			5400	550	1.72				5400	550	1.72	03 -	6105DA	- 121	B-108	B-124	B-143
			9810	1000	2.93				9810	1000	3.53	03 -	6120DB	- 121	B-108	B-124	B-143
10.1	150	15.3	3340	340	*1	12.2	176	17.9	3340	340	*1	03 -	6090DA	- 143	B-108	B-124	B-143
			3340	340	0.87				3340	340	1.04	03 -	6095DA	- 143	B-108	B-124	B-143
	5400	550	1.18	5400	550		1.42	03 -	6100DA	- 143	B-108	B-124	B-143				
	5400	550	1.42	5400	550		1.71	03 -	6105DA	- 143	B-108	B-124	B-143				
	9810	1000	1.72	9810	1000		1.72	03 -	6120DA	- 143	B-108	B-124	B-143				
	9810	1000	2.48	9810	1000		2.99	03 -	6120DB	- 143	B-108	B-124	B-143				
9810	1000	2.97	9810	1000	3.59	03 -	6125DB	- 143	B-108	B-124	B-143						
8.79	200	20.4	3340	340	*1	10.6	203	20.7	3340	340	*1	03 -	6095DA	- 165	B-108	B-124	B-143
			3340	340	0.82				3340	340	0.98	03 -	6095DA	- 165	B-108	B-124	B-143
	5400	550	1.02	5400	550		1.23	03 -	6100DA	- 165	B-108	B-124	B-143				
	5400	550	1.23	5400	550		1.48	03 -	6105DA	- 165	B-108	B-124	B-143				
	9810	1000	1.72	9810	1000		1.72	03 -	6120DA	- 165	B-108	B-124	B-143				
	9810	1000	2.15	9810	1000		2.59	03 -	6120DB	- 165	B-108	B-124	B-143				
9810	1000	2.58	9810	1000	3.11	03 -	6125DB	- 165	B-108	B-124	B-143						
7.44	200	20.4	3340	340	*1	8.97	239	24.4	3340	340	*1	03 -	6095DA	- 195	B-108	B-124	B-143
			5400	550	1.04				5400	550	1.25	03 -	6105DA	- 195	B-108	B-124	B-143
	9810	1000	1.72	9810	1000		1.72	03 -	6120DA	- 195	B-108	B-124	B-143				
	9810	1000	1.82	9810	1000		2.19	03 -	6120DB	- 195	B-108	B-124	B-143				
	9810	1000	2.18	9810	1000		2.63	03 -	6125DB	- 195	B-108	B-124	B-143				
	14700	1500	2.70	14700	1500		3.26	03 -	6130DB	- 195	B-109	B-125	B-144				
6.28	250	25.5	5400	550	*1	7.58	284	28.9	5400	550	*1	03 -	6100DA	- 231	B-108	B-124	B-143
			4940	504	0.88				5400	550	1.06	03 -	6105DA	- 231	B-108	B-124	B-143
	9810	1000	1.52	9810	1000		1.72	03 -	6120DA	- 231	B-108	B-124	B-143				
	9810	1000	1.52	9810	1000		1.84	03 -	6120DB	- 231	B-108	B-124	B-143				
	9810	1000	1.72	9810	1000		1.72	03 -	6125DA	- 231	B-108	B-124	B-143				
	9810	1000	1.84	9810	1000		2.22	03 -	6125DB	- 231	B-108	B-124	B-143				
	14700	1500	2.28	14700	1500		2.75	03 -	6130DB	- 231	B-109	B-125	B-144				
	14700	1500	2.75	14700	1500		3.31	03 -	6135DB	- 231	B-109	B-125	B-144				
5.31	300	30.6	5400	550	*1	6.41	335	34.2	5400	550	*1	03 -	6105DA	- 273	B-108	B-124	B-143
			9810	1000	1.29				9810	1000	1.56	03 -	6120DA	- 273	B-108	B-124	B-143
	9810	1000	1.56	9810	1000		1.72	03 -	6125DA	- 273	B-108	B-124	B-143				
	9810	1000	1.56	9810	1000		1.88	03 -	6125DB	- 273	B-108	B-124	B-143				
	14700	1500	1.72	14700	1500		1.72	03 -	6130DA	- 273	B-109	B-125	B-144				
	14700	1500	1.93	14700	1500		2.33	03 -	6130DB	- 273	B-109	B-125	B-144				
	14700	1500	2.32	14700	1500		2.80	03 -	6135DB	- 273	B-109	B-125	B-144				

GEARMOTORS

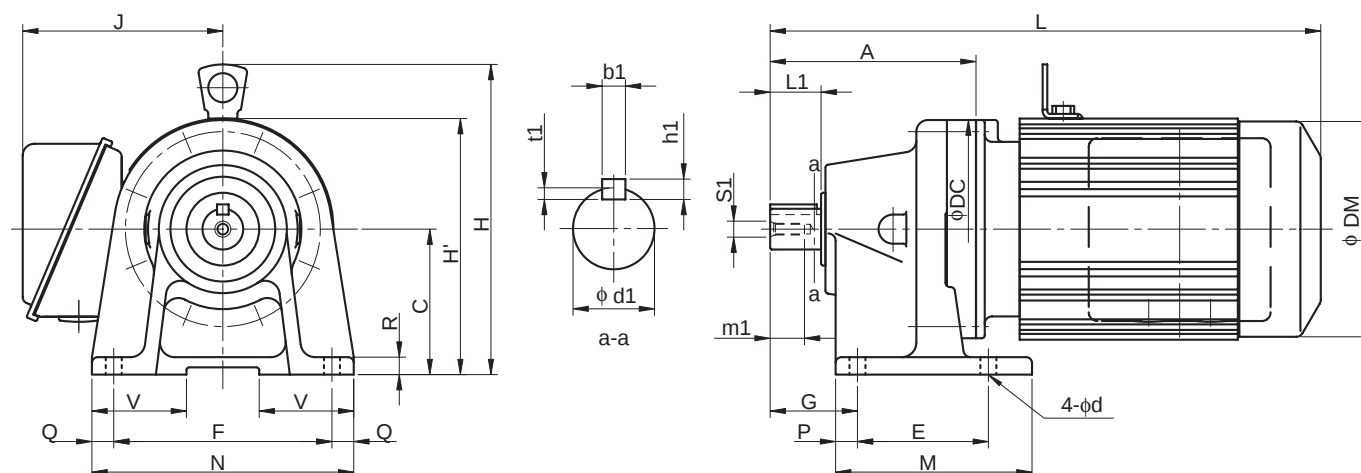
Selection Tables
0.25 kW

- "*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

0.25 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		
4.55	473	48.2	9810	1000	1.10	5.49	392	39.9	9810	1000	1.33	03 - 6120DA	- 319	B-108	B-124	B-143	
			9810	1000	1.33				03 - 6125DA	- 319	B-108	B-124	B-143				
			14700	1500	1.65				03 - 6130DA	- 319	B-109	B-125	B-144				
			14700	1500	1.65				03 - 6130DB	- 319	B-109	B-125	B-144				
			14700	1500	1.72				03 - 6135DA	- 319	B-109	B-125	B-144				
			14700	1500	1.99				03 - 6135DB	- 319	B-109	B-125	B-144				
			16000	1630	2.59				03 - 6140DB	- 319	B-109	B-125	B-144				
			16000	1630	2.90				03 - 6145DB	- 319	B-109	B-125	B-144				
3.85	559	56.9	9810	1000	1.13	4.64	463	47.2	9810	1000	1.36	03 - 6125DA	- 377	B-108	B-124	B-143	
			14700	1500	1.40				03 - 6130DA	- 377	B-109	B-125	B-144				
			14700	1500	1.68				03 - 6135DA	- 377	B-109	B-125	B-144				
			14700	1500	1.68				03 - 6135DB	- 377	B-109	B-125	B-144				
			16000	1630	1.72				03 - 6140DA	- 377	B-109	B-125	B-144				
			16000	1630	2.19				03 - 6140DB	- 377	B-109	B-125	B-144				
16000	1630	2.45	03 - 6145DB	- 377	B-109	B-125	B-144										
3.07	525	53.5	9810	1000	*1	3.70	581	59.2	9810	1000	*1	03 - 6120DA	- 473	B-108	B-124	B-143	
			9810	1000	0.90				03 - 6125DA	- 473	B-108	B-124	B-143				
			14700	1500	1.11				03 - 6130DA	- 473	B-109	B-125	B-144				
			14700	1500	1.34				03 - 6135DA	- 473	B-109	B-125	B-144				
			16000	1630	1.72				03 - 6140DA	- 473	B-109	B-125	B-144				
			16000	1630	1.75				03 - 6140DB	- 473	B-109	B-125	B-144				
16000	1630	1.95	03 - 6145DB	- 473	B-109	B-125	B-144										
2.59	630	64.2	9810	1000	*1	3.13	686	70.0	9810	1000	*1	03 - 6125DA	- 559	B-108	B-124	B-143	
			14700	1500	1.13				03 - 6135DA	- 559	B-109	B-125	B-144				
			16000	1630	1.48				03 - 6140DA	- 559	B-109	B-125	B-144				
			16000	1630	1.48				03 - 6140DB	- 559	B-109	B-125	B-144				
			16000	1630	1.65				03 - 6145DA	- 559	B-109	B-125	B-144				
16000	1630	1.65	03 - 6145DB	- 559	B-109	B-125	B-144										
2.23	962	98.0	14700	1500	1.09	2.70	797	81.2	14700	1500	1.32	03 - 6135DA	- 649	B-109	B-125	B-144	
			16000	1630	1.27				03 - 6140DA	- 649	B-109	B-125	B-144				
			16000	1630	1.42				03 - 6145DA	- 649	B-109	B-125	B-144				
1.98	780	79.5	14700	1500	*1	2.39	898	91.5	14700	1500	*1	03 - 6130DA	- 731	B-109	B-125	B-144	
			14700	1500	0.87				03 - 6135DA	- 731	B-109	B-125	B-144				
			16000	1630	1.13				03 - 6140DA	- 731	B-109	B-125	B-144				
			16000	1630	1.26				03 - 6145DA	- 731	B-109	B-125	B-144				
1.72	940	95.8	14700	1500	*1	2.08	940	95.8	14700	1500	*1	03 - 6135DA	- 841	B-109	B-125	B-144	
			16000	1630	1.10				03 - 6145DA	- 841	B-109	B-125	B-144				
1.45	1050	107	14700	1500	*1	1.74	1230	125	14700	1500	*1	03 - 6135DA	- 1003	B-109	B-125	B-144	
			16000	1630	*1				03 - 6140DA	- 1003	B-109	B-125	B-144				
			1490	152	16000				1630	0.92	03 - 6145DA	- 1003	B-109	B-125	B-144		
1.16	1370	140	15700	1600	*1	1.40	1370	140	15700	1600	*1	03 - 6145DA	- 1247	B-109	B-125	B-144	
0.702	2100	214	22100	2250	*1	0.847	2100	214	22100	2250	*1	03 - 6165DA	- 2065	B-110	B-126	B-145	
0.572	2530	258	29500	3010	*1	0.690	2530	258	29500	3010	*1	03 - 6170DA	- 2537	B-110	B-126	B-145	
0.476	3150	321	29500	3010	*1	0.575	3150	321	29500	3010	*1	03 - 6175DA	- 3045	B-110	B-126	B-145	

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	

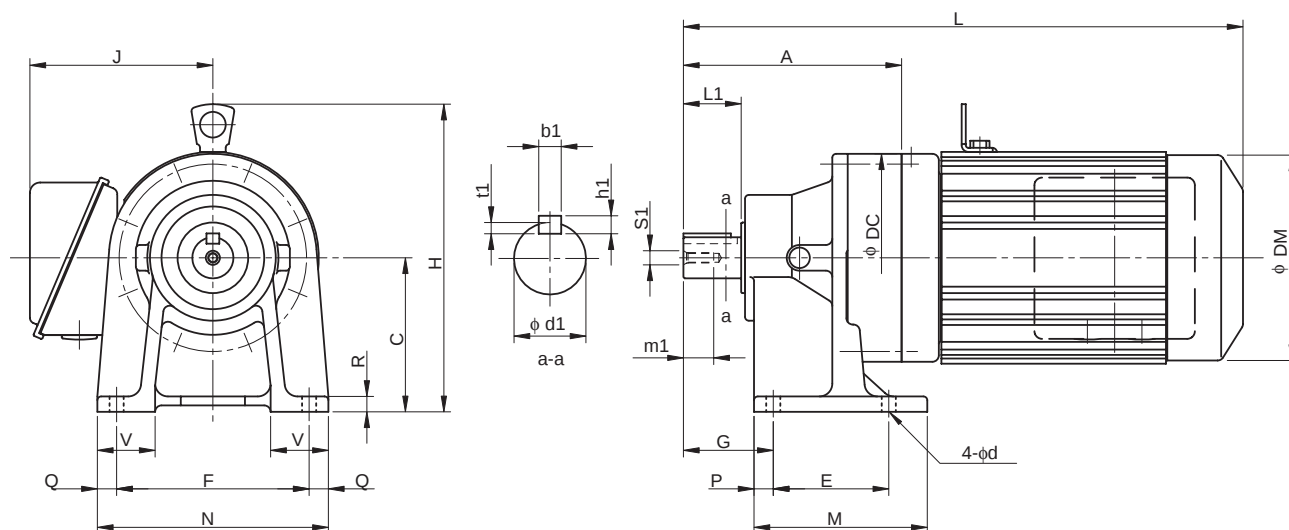
Note: 1. □ indicates motor capacity.

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□



GEARMOTORS

Dimension Tables
CNHM

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

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

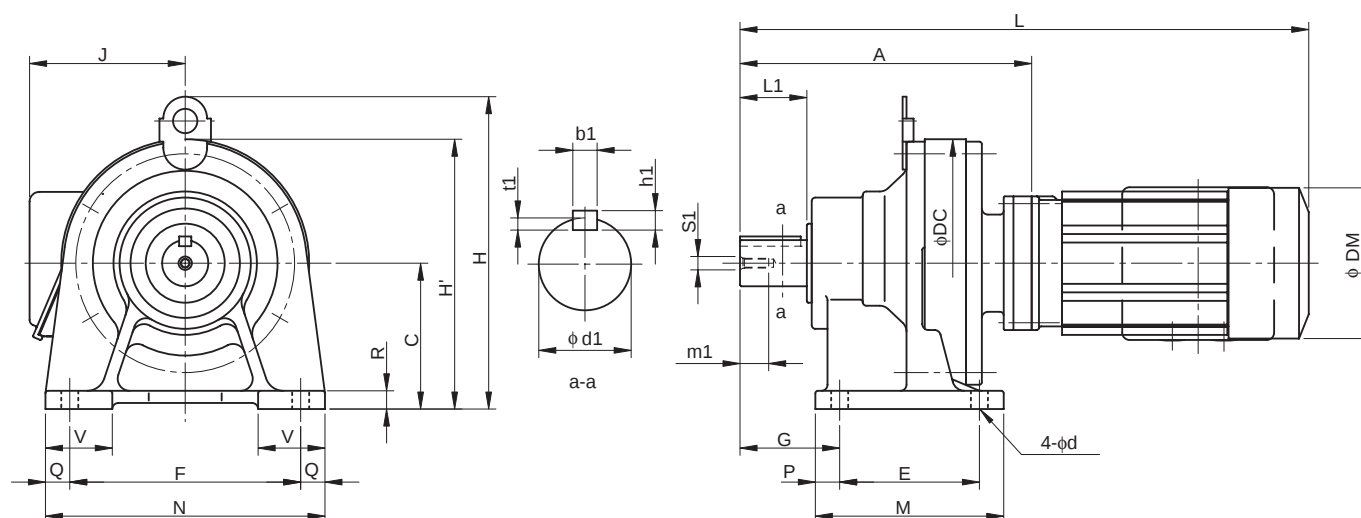
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (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

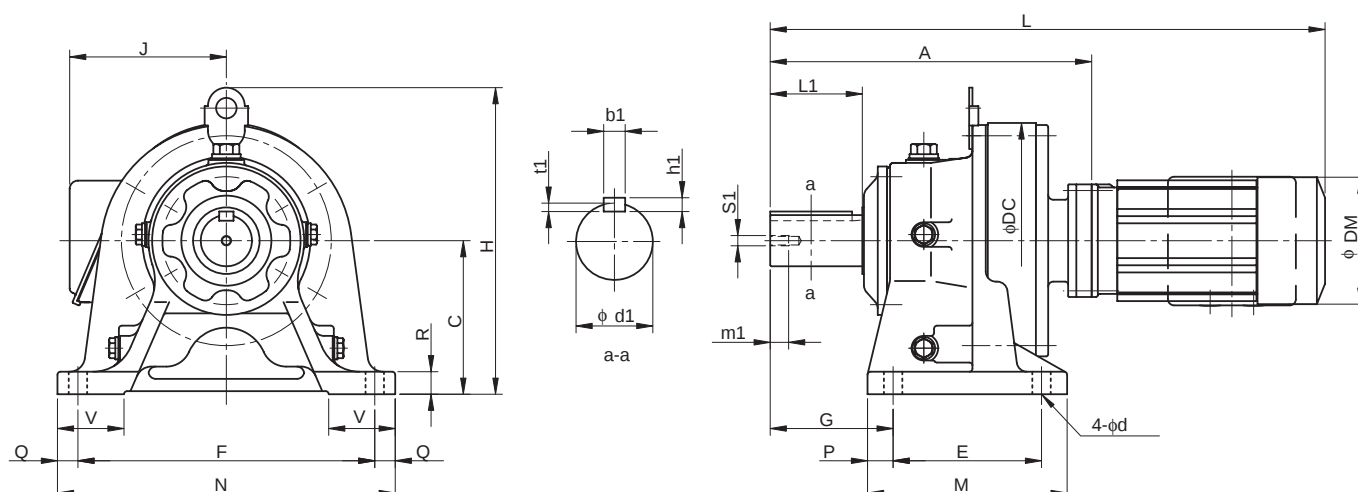
Model Note 4, 5	Motor		Standard							With Brake						
	kW	P	L	H	H'	J	DM	W(kg)		L	H	H'	J	DM	W(kg)	
CNHM01 - 606□DA - (B) - Ratio	0.1	4	287	-	140	130	119	9		294	-	138	130	124	10	
CNHM01 - 607□DA - (B) - Ratio	0.1	4	293	-	140	130	119	9		300	-	138	130	124	10	
CNHM02 - 607□DA - (B) - Ratio	0.2	4	311	-	140	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						
														d1	L1	b1	h1	t1	S1	m1
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

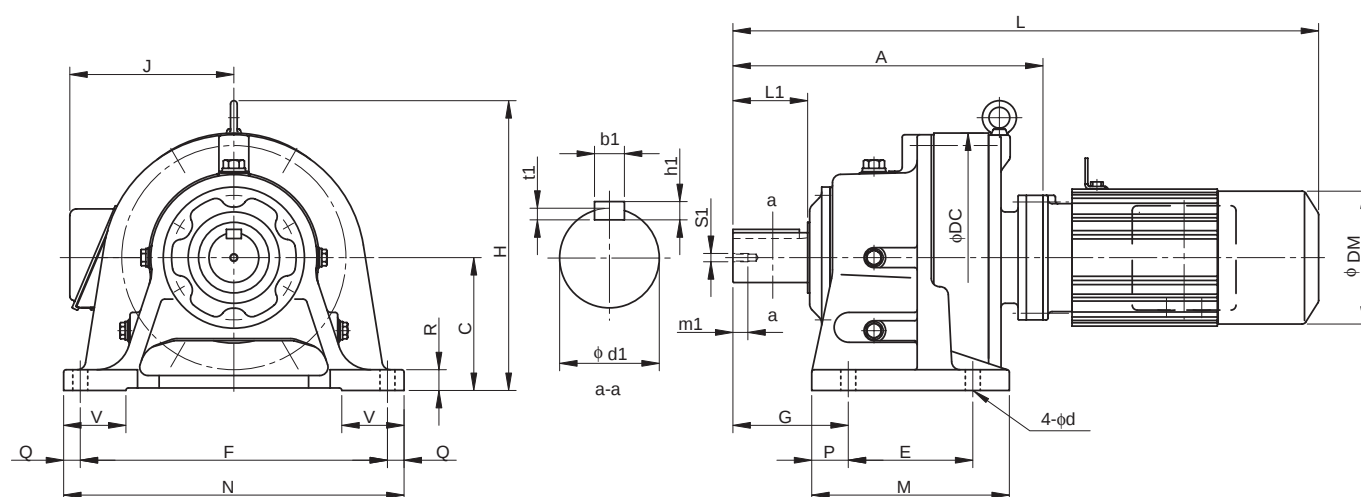
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

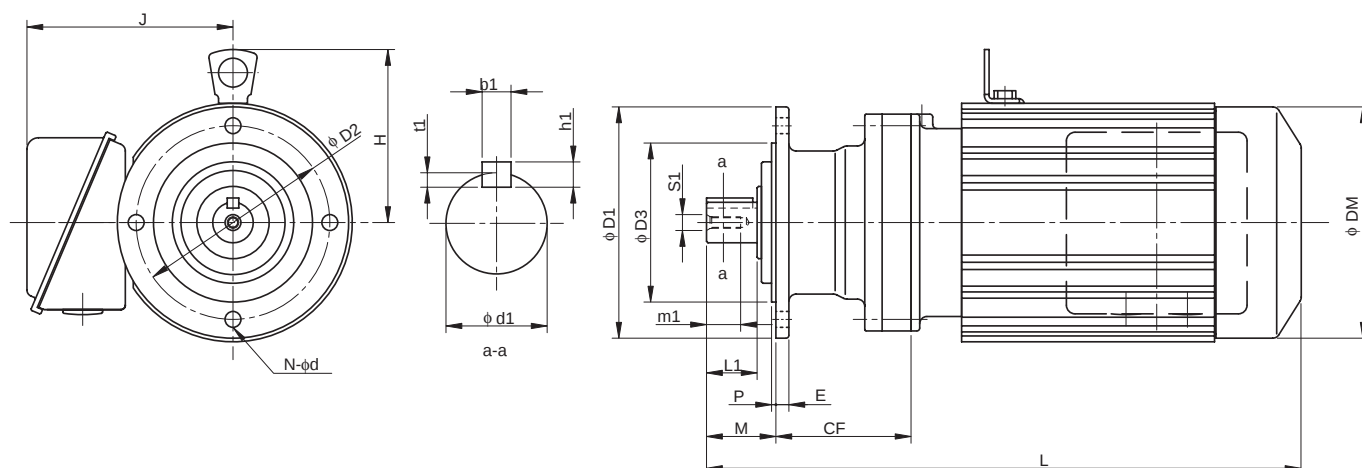
Note: 1. □ indicates motor capacity.

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 (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

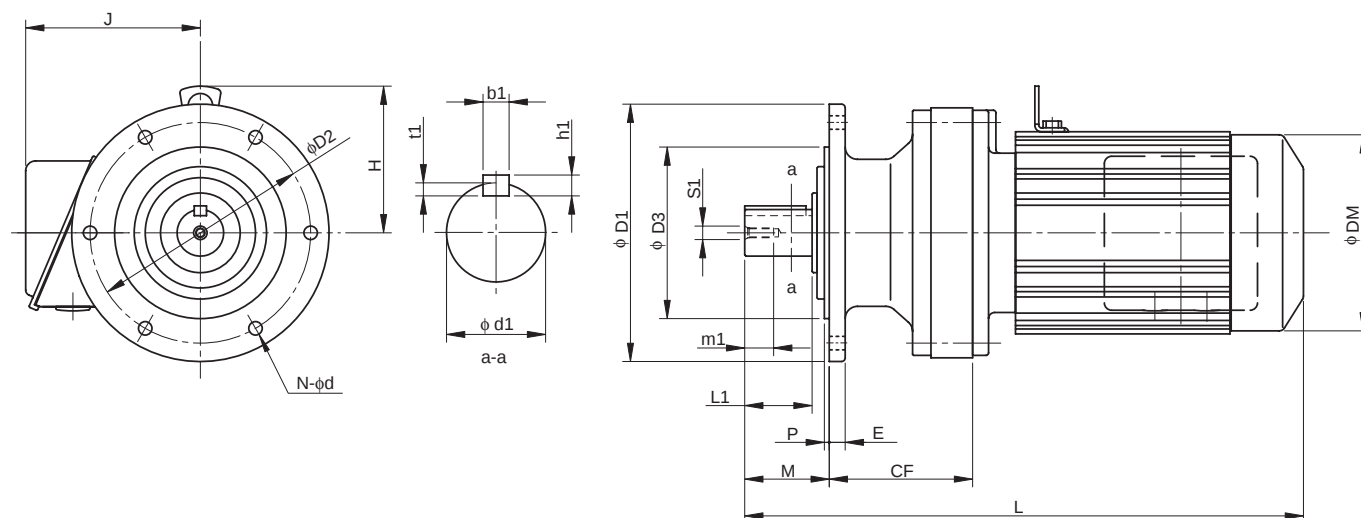
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

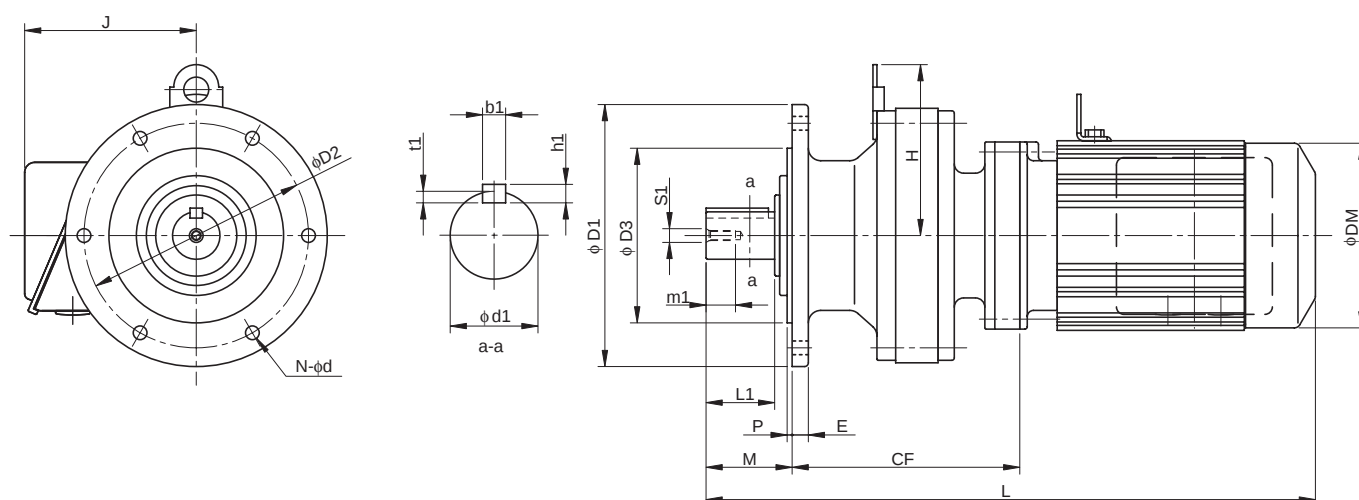
Note: 1. □ indicates motor capacity.

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 (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

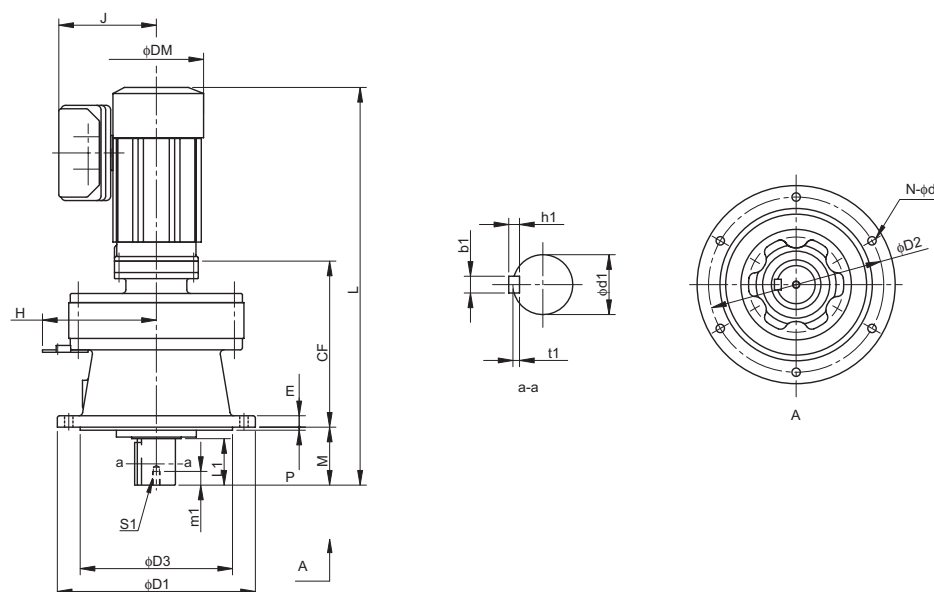
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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.

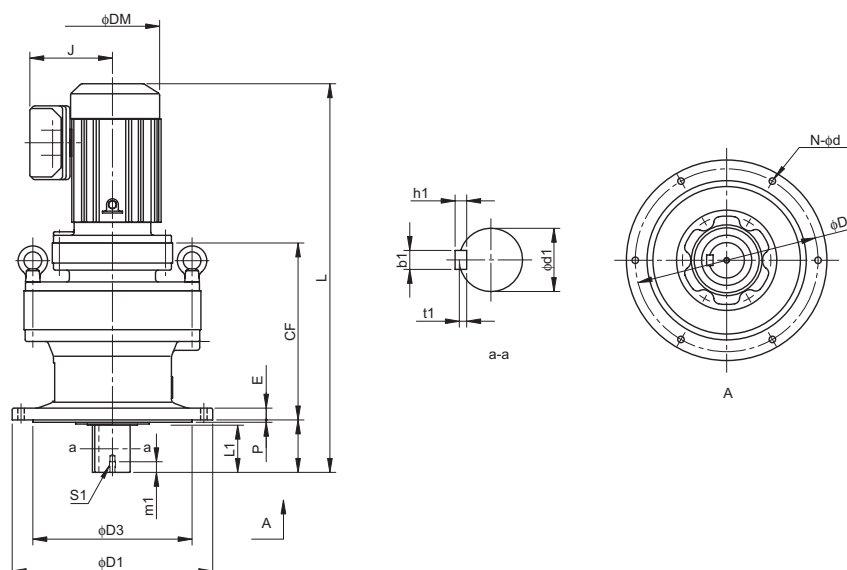
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

4. Pilot diameter (φD3): 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

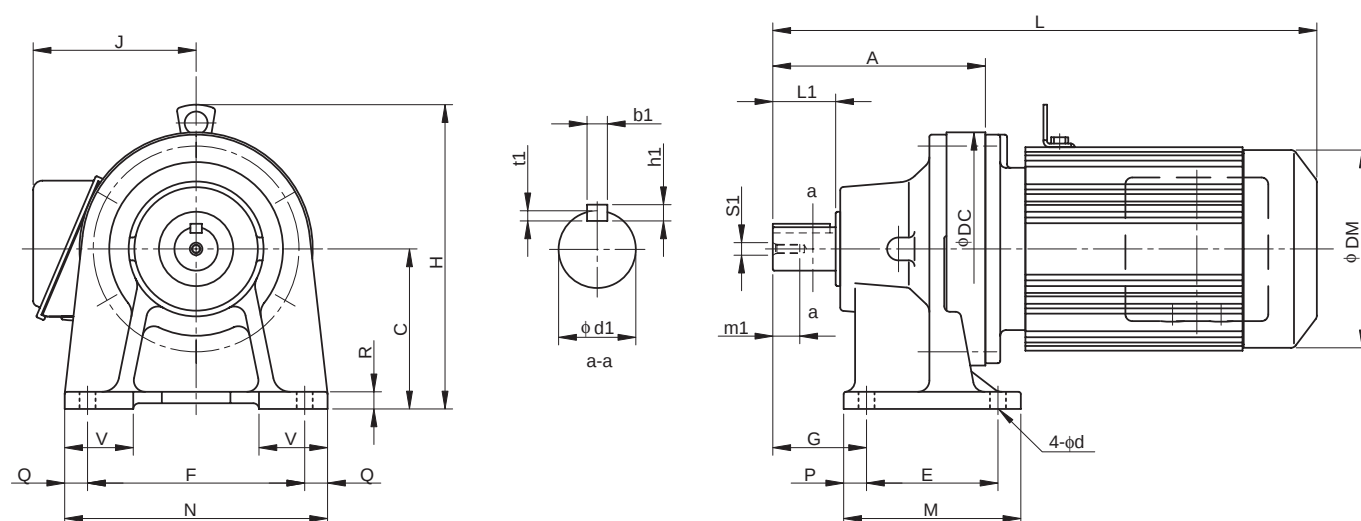
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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 (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."