

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

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LET'S SUMITOMO GEAR MOTOR

Nomenclature

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

Mounting style	
Foot	H
V flange	V
Flange	F

Type of Input	
Gearmotor	M
With adaptor	JM

Special Specifications	
Standard specification	blank
Special specification	S

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

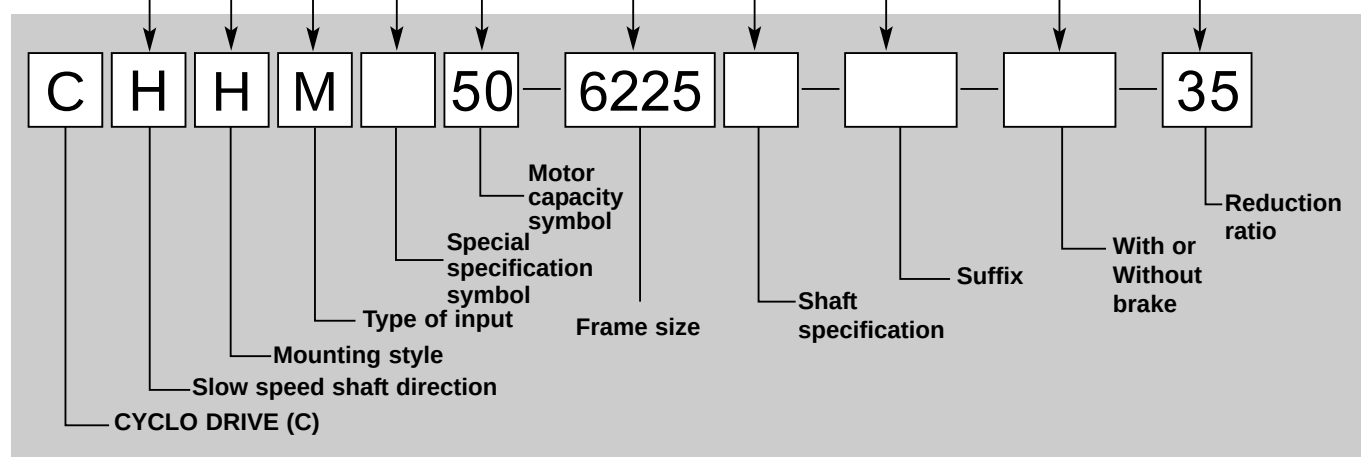
Shaft specification	
Metric JIS (Standard)	-
Inch size	Y
Metric DIN	G

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

With or Without Brake	
Without brake	-
With brake	B

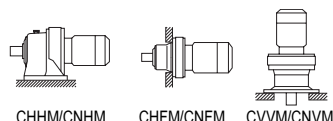
Frame size
(Refer to Selection
Tables starting from
6185)

Nominal ratio



CHHM = FOOT MOUNTING STYLE
CVVM = FLANGE MOUNTING STYLE

Selection Tables Gearmotors



37 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	CNHH CNFM CNVM		
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM
132	2550	260	19000	1940	159	2110	215	18000	1830	50 -	6185	- 11	B-104	B-120	B-139
			27000	2750				25400	2590	50 -	6190	- 11	B-104	B-120	B-139
			27000	2750				25400	2590	50 -	6195	- 11	B-104	B-120	B-139
			52000	5310				49300	5020	50 -	6205	- 11	B-105	B-121	B-140
			52700	5380				49900	5090	50 -	6215	- 11	B-105	B-121	B-140
			56000	5700				53000	5400	50 -	6225	- 11	B-106	B-122	B-141
112	3010	307	19700	2010	135	2490	254	18600	1900	50 -	6185	- 13	B-104	B-120	B-139
			28000	2850				26400	2690	50 -	6190	- 13	B-104	B-120	B-139
			28000	2850				26400	2690	50 -	6195	- 13	B-104	B-120	B-139
96.7	3470	354	20600	2100	117	2880	293	19500	1990	50 -	6185	- 15	B-104	B-120	B-139
			29300	2990				27700	2820	50 -	6190	- 15	B-104	B-120	B-139
			29300	2990				27700	2820	50 -	6195	- 15	B-104	B-120	B-139
			55900	5700				52900	5390	50 -	6205	- 15	B-105	B-121	B-140
			56600	5770				53600	5470	50 -	6215	- 15	B-105	B-121	B-140
			60400	6160				57200	5830	50 -	6225	- 15	B-106	B-122	B-141
85.3	3940	401	21600	2210	103	3260	332	20500	2090	50 -	6185	- 17	B-104	B-120	B-139
			30900	3150				29100	2970	50 -	6190	- 17	B-104	B-120	B-139
			30900	3150				29100	2970	50 -	6195	- 17	B-104	B-120	B-139
69.0	4860	496	23300	2370	83.3	4030	411	22100	2250	50 -	6185	- 21	B-104	B-120	B-139
			33200	3380				31300	3190	50 -	6190	- 21	B-104	B-120	B-139
			33200	3380				31300	3190	50 -	6195	- 21	B-104	B-120	B-139
			62500	6370				59200	6030	50 -	6205	- 21	B-105	B-121	B-140
			63800	6510				60500	6170	50 -	6215	- 21	B-105	B-121	B-140
			67500	6880				63900	6510	50 -	6225	- 21	B-106	B-122	B-141
65.3	5140	524	32900	3360	77.7	4320	441	31300	3190	506 -	6190	- 15	B-104	B-120	B-139
			32900	3360				31300	3190	506 -	6195	- 15	B-104	B-120	B-139
			62600	6380				59500	6070	506 -	6205	- 15	B-105	B-121	B-140
			63400	6460				60300	6150	506 -	6215	- 15	B-105	B-121	B-140
58.0	5790	590	23900	2440	70.0	4800	489	22700	2320	50 -	6185	- 25	B-104	B-120	B-139
			34600	3530				32700	3330	50 -	6190	- 25	B-104	B-120	B-139
			34600	3530				32700	3330	50 -	6195	- 25	B-104	B-120	B-139
50.0	6710	684	36200	3690	60.3	5560	567	34200	3490	50 -	6195	- 29	B-104	B-120	B-139
			67900	6920				64400	6560	50 -	6205	- 29	B-105	B-121	B-140
			69300	7060				65700	6700	50 -	6215	- 29	B-105	B-121	B-140
			73400	7490				69600	7090	50 -	6225	- 29	B-106	B-122	B-141
46.7	7190	733	37300	3800	55.5	6050	617	35500	3610	506 -	6195	- 21	B-104	B-120	B-139
			71400	7280				68000	6930	506 -	6215	- 21	B-105	B-121	B-140
			75500	7690				71800	7320	506 -	6225	- 21	B-106	B-122	B-141
41.4	8100	826	38000	3870	50.0	6710	684	35900	3660	50 -	6195	- 35	B-104	B-120	B-139
33.8	9930	1010	77300	7880	40.2	8360	852	73700	7510	506 -	6215	- 29	B-105	B-121	B-140
			82000	8360				78100	7970	506 -	6225	- 29	B-106	B-122	B-141
			103000	10500				97900	9980	506 -	6235	- 29	B-106	B-122	B-141
33.7	9950	1010	77700	7920	40.7	8250	841	73800	7520	50 -	6215	- 43	B-105	B-121	B-140
			82500	8410				78300	7980	50 -	6225	- 43	B-106	B-122	B-141
24.6	13700	1390	89200	9090	29.7	11300	1150	84700	8630	50 -	6225	- 59	B-106	B-122	B-141
22.8	14700	1500	129000	13100	27.1	12400	1260	122000	12500	506 -	6245	- 43	B-107	B-123	B-142
16.6	20200	2060	140000	14200	19.7	17000	1730	133000	13500	506 -	6245	- 59	B-107	B-123	B-142
			172000	17600				164000	16700	506 -	6255	- 59	B-107	B-123	B-142
			211000	21500				201000	20500	506 -	6265	- 59	B-107	B-123	B-142

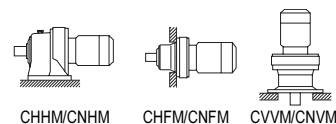
GEARMOTORS

Selection Tables
37 kW

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

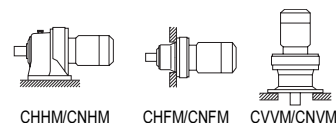
Selection Tables Gearmotors

37 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
12.0	18700	1910	141000	14300	*1	14.5	18700	1910	133000	13500	*1	50 -	6235DB	- 121	B-114	B-131	B-150
	20500	2090	156000	15900	*1		20500	2090	148000	15000	*1	50 -	6245DB	- 121	B-114	B-131	B-150
	26500	2710	191000	19500	1.04		22000	2240	181000	18500	1.25	50 - 6255DB	- 121	B-115	B-132	B-151	
11.3	29800	3040	192000	19600	1.04	13.4	25100	2560	183000	18700	1.16	506 -	6255	- 87	B-107	B-123	B-142
			236000	24000	1.44				224000	22900	1.44	506 -	6265	- 87	B-107	B-123	B-142
8.79	26200	2680	168000	17100	*1	10.6	26200	2680	158000	16100	*1	50 -	6245DB	- 165	B-114	B-131	B-150
			205000	20900	0.86				194000	19800	1.04	50 -	6255DB	- 165	B-115	B-132	B-151
7.44	31200	3180	216000	22100	*1	8.97	31200	3180	204000	20800	*1	50 -	6255DB	- 195	B-115	B-132	B-151
			251000	25600	1.21				238000	24300	1.37	50 -	6265DA	- 165	B-115	B-132	B-151
6.28	50700	5160	276000	28100	0.91	7.58	42000	4280	266000	27100	1.10	50 -	6265DA	- 231	B-115	B-132	B-151
5.31	46000	4690	276000	28100	*1	6.41	46000	4690	276000	28100	*1	50 -	6265DA	- 273	B-115	B-132	B-151
4.55	70000	7130	248000	25300	0.97	5.49	58000	5910	248000	25300	1.18	50 -	6275DA	- 319	B-115	-	B-151
3.85	68200	6950	248000	25300	*1	4.64	68200	6950	248000	25300	*1	50 -	6275DA	- 377	B-115	-	B-151
			82700	8430	248000				25300	0.82	68500	6980	248000	25300	1.00	50 -	6275DA

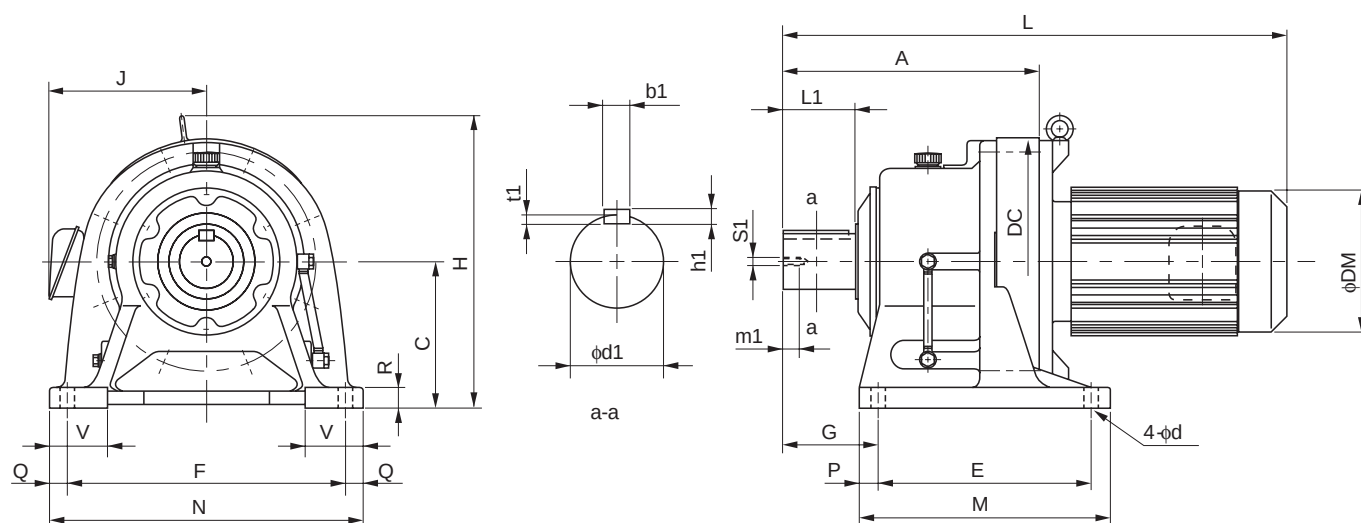
45 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165



50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVN
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
132	3100	316	26800	2730	1.07	159	2570	262	25300	2570	1.07	60 -	6195	- 11	B-104	B-120	B-139
			51900	5290	1.33				49200	5010	1.33	60 -	6205	- 11	B-105	B-121	B-140
			52600	5360	1.67				49800	5080	1.67	60 -	6215	- 11	B-105	B-121	B-140
			55800	5690	2.21				52800	5390	2.21	60 -	6225	- 11	B-106	B-122	B-141
112	3660	373	27700	2830	1.07	135	3030	309	26200	2670	1.07	60 -	6195	- 13	B-104	B-120	B-139
96.7	4220	431	29000	2960	1.07	117	3500	357	27400	2800	1.07	60 -	6195	- 15	B-104	B-120	B-139
			55700	5680	1.33				52800	5380	1.33	60 -	6205	- 15	B-105	B-121	B-140
			56500	5750	1.67				53500	5450	1.67	60 -	6215	- 15	B-105	B-121	B-140
			60200	6140	2.21				57000	5820	2.21	60 -	6225	- 15	B-106	B-122	B-141
85.3	4790	488	21200	2160	0.85	103	3970	404	20200	2060	0.87	60 -	6185	- 17	B-104	B-120	B-139
			30600	3120	1.07				28900	2950	1.07	60 -	6195	- 17	B-104	B-120	B-139
69.0	5910	603	22800	2330	0.85	83.3	4900	499	21700	2210	0.87	60 -	6185	- 21	B-104	B-120	B-139
			32900	3350	0.91				31100	3170	0.91	60 -	6190	- 21	B-104	B-120	B-139
			32900	3350	1.07				31100	3170	1.07	60 -	6195	- 21	B-104	B-120	B-139
			62200	6340	1.32				59000	6010	1.32	60 -	6205	- 21	B-105	B-121	B-140
			63600	6480	1.67				60300	6140	1.67	60 -	6215	- 21	B-105	B-121	B-140
			67200	6850	2.09				63700	6490	2.09	60 -	6225	- 21	B-106	B-122	B-141
65.3	6250	637	62300	6350	1.33	77.7	5260	536	59300	6050	1.33	606 -	6205	- 15	B-105	B-121	B-140
			63100	6430	1.67				60100	6130	1.67	606 -	6215	- 15	B-105	B-121	B-140
			67400	6870	2.21				64200	6540	2.21	606 -	6225	- 15	B-106	B-122	B-141
58.0	7040	718	34200	3490	0.90	70.0	5830	595	32400	3300	0.90	60 -	6195	- 25	B-104	B-120	B-139
50.0	8170	832	35700	3640	0.84	60.3	6770	690	33900	3450	0.84	60 -	6195	- 29	B-104	B-120	B-139
			67600	6890	1.02				64100	6530	1.02	60 -	6205	- 29	B-105	B-121	B-140
			68900	7030	1.30				65400	6660	1.30	60 -	6215	- 29	B-105	B-121	B-140
			73100	7450	1.67				69300	7070	1.67	60 -	6225	- 29	B-106	B-122	B-141

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 618□ to 619□

Frame size Note 4	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
618□	389	220	370	320	420	145	380	470	30	25	30	85	22	80	110	22	14	9	M12	24
619□	465	250	430	380	480	170	440	530	30	25	35	90	26	95	135	25	14	9	M20	34

Model Note 4, 5	Motor		Standard					With Brake				
	kW	P	L	H	J	DM	W(kg)	L	H	J	DM	W(kg)
CHHM4 - 618□ - (B) - Ratio	3.0	4	717	438	168	212	184	789	438	168	212	194
CHHM5 - 618□ - (B) - Ratio	3.7	4	717	438	168	212	184	789	438	168	212	194
CHHM8 - 618□ - (B) - Ratio	5.5	4	761	438	168	212	192	833	438	168	212	202
CHHM10 - 618□ - (B) - Ratio	7.5	4	779	438	213	251	207	874	438	213	251	225
CHHM15 - 618□ - (B) - Ratio	11	4	839	438	213	251	221	934	438	213	251	239
CHHM20 - 618□ - (B) - Ratio	15	4	919	438	261	324	281	1024	438	261	324	310
CHHM25 - 618□ - (B) - Ratio	18.5	4	1014	448	328	394	347	1179	448	328	394	398
CHHM30 - 618□ - (B) - Ratio	22	4	1014	448	328	394	347	1179	448	328	394	398
CHHM40 - 618□ - (B) - Ratio	30	4	1014	448	328	394	364	1179	448	328	394	407
CHHM50 - 618□ - (B) - Ratio	37	4	1129	481	328	394	412	1344	481	328	394	509
CHHM60 - 618□ - (B) - Ratio	45	4	1129	481	328	394	412	1344	481	328	394	509
CHHM8 - 619□ - (B) - Ratio	5.5	4	857	511	168	212	266	929	511	168	212	276
CHHM10 - 619□ - (B) - Ratio	7.5	4	870	511	213	251	279	965	511	213	251	297
CHHM15 - 619□ - (B) - Ratio	11	4	930	511	213	251	293	1025	511	213	251	311
CHHM20 - 619□ - (B) - Ratio	15	4	995	467	261	324	346	1100	467	261	324	381
CHHM25 - 619□ - (B) - Ratio	18.5	4	1090	511	328	394	422	1255	511	328	394	467
CHHM256 - 619□ - (B) - Ratio	18.5	6	1090	511	328	394	437	1255	511	328	394	480
CHHM30 - 619□ - (B) - Ratio	22	4	1090	511	328	394	422	1255	511	328	394	467
CHHM40 - 619□ - (B) - Ratio	30	4	1090	511	328	394	437	1255	511	328	394	480
CHHM406 - 619□ - (B) - Ratio	30	6	1205	511	328	394	475	1420	511	328	394	572
CHHM50 - 619□ - (B) - Ratio	37	4	1205	511	328	394	475	1420	511	328	394	572
CHHM506 - 619□ - (B) - Ratio	37	6	1205	511	328	394	475	1420	511	328	394	572
CHHM60 - 619□ - (B) - Ratio	45	4	1205	511	328	394	475	1420	511	328	394	572

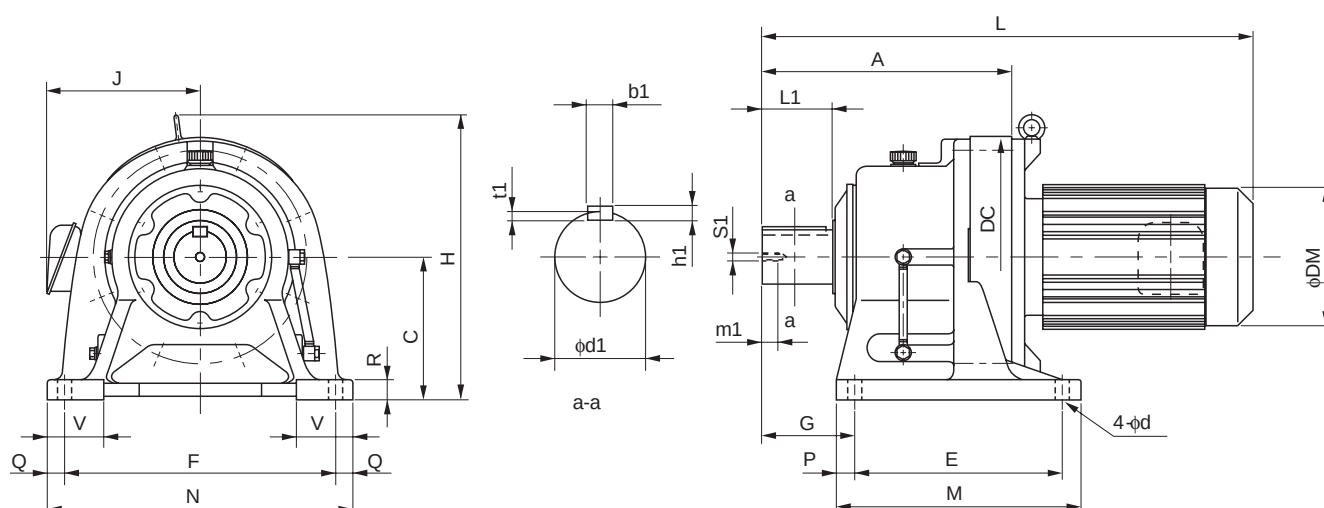
Note: 1. □ indicates motor capacity.

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 6205 to 6215



GEARMOTORS

Dimension Tables
CHHM

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft ^{Note 2, 3, 6}						
														d1	L1	b1	h1	t1	S1	m1
6205	502	250	448	360	440	215	440	530	40	45	35	100	26	100	165	28	16	10	M20	34
6215	526	265	485	395	480	210	475	580	40	50	40	110	26	110	165	28	16	10	M20	34

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

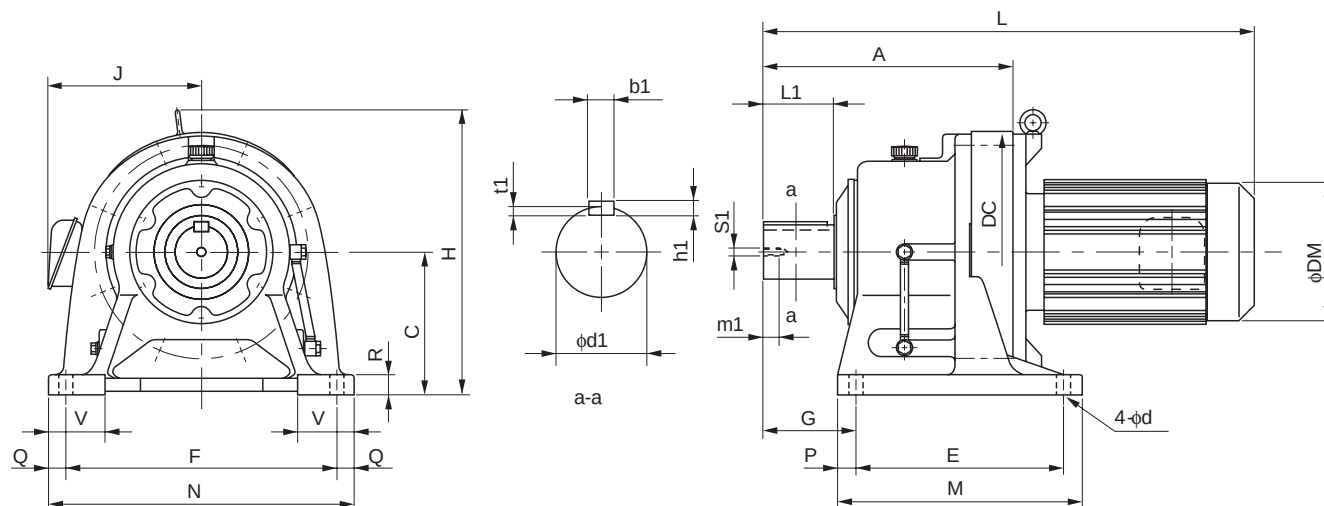
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM^{Note 1} - 6225 to 6235

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 5						
														d1	L1	b1	h1	t1	S1	m1
6225	566	280	526	420	540	230	520	620	50	40	40	115	33	120	165	32	18	11	M20	34
6235	628	300	562	460	580	260	560	670	50	45	45	120	33	130	200	32	18	11	M24	41

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

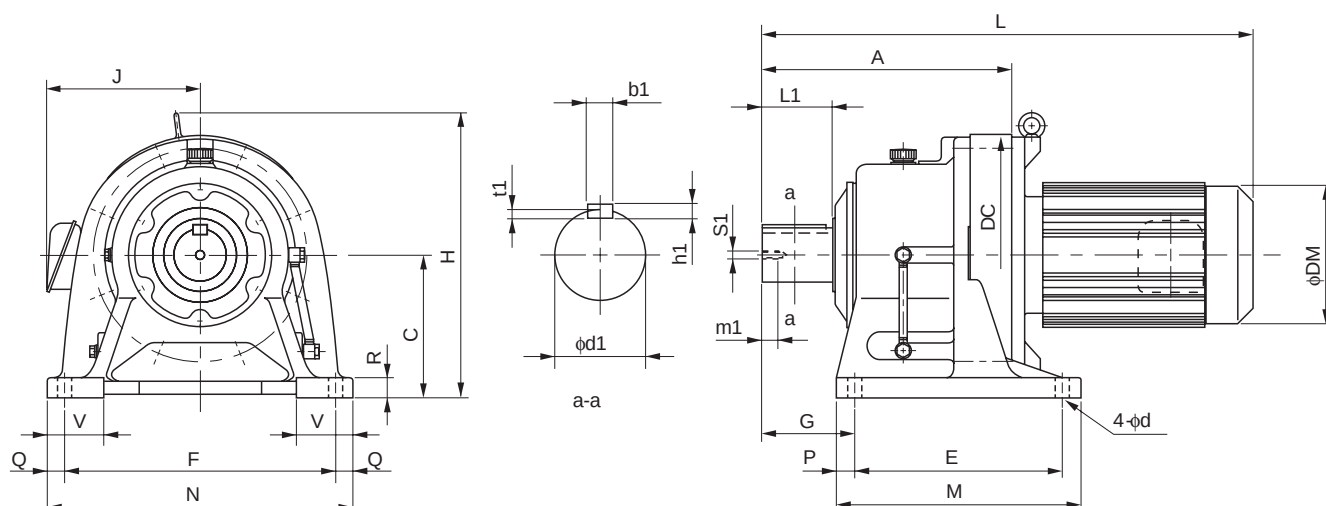
Note: 1. $\square$ indicates motor capacity.

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} - 6245 to 6265



GEARMOTORS

Dimension Tables
CHHM

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft ^{Note 2, 3, 5}						
														d1	L1	b1	h1	t1	S1	m1
6245	657	335	614	480	630	263	580	720	50	45	45	128	39	140	200	36	20	12	M24	41
6255	775	375	670	520	670	320	630	780	55	55	50	140	39	160	240	40	22	13	M30	49
6265	892	400	736	590	770	390	700	880	55	55	55	160	45	170	300	40	22	13	M30	49

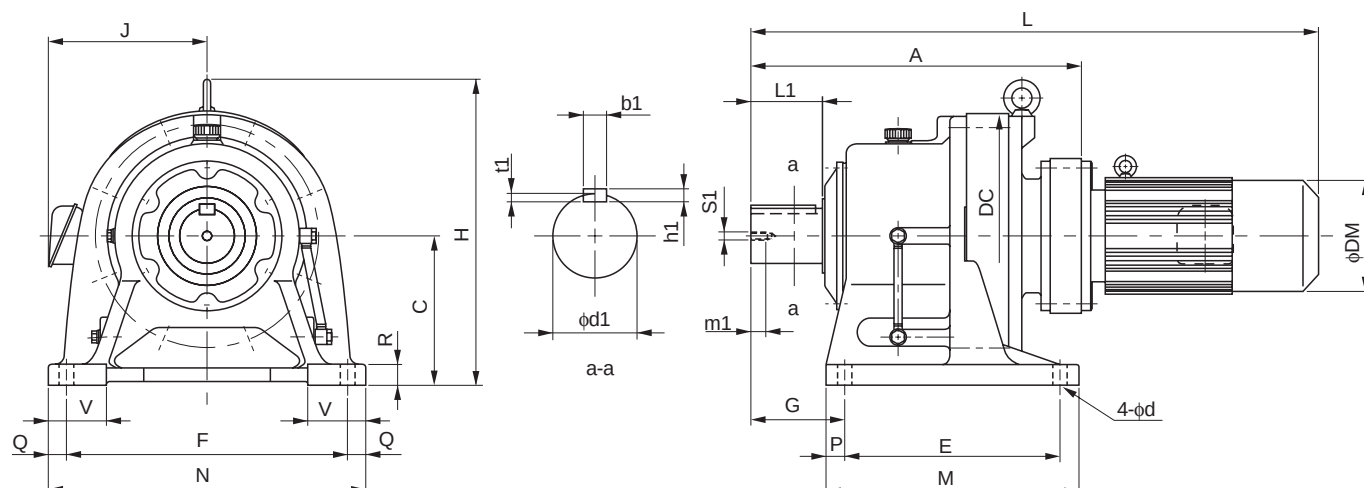
Model ^{Note 4}	Motor		Standard						With Brake					
	kW	P	L	H	J	DM	W(kg)		L	H	J	DM	W(kg)	
CHHM206 - 6245 - (B) - Ratio	15	6	1282	729	328	394	824		1447	729	328	394	857	
CHHM256 - 6245 - (B) - Ratio	18.5	6	1282	729	328	394	824		1447	729	328	394	871	
CHHM306 - 6245 - (B) - Ratio	22	6	1282	729	328	394	824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

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

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

CHHM - 6215DB to 6225DB

GEARMOTORS

Dimension Tables
CHHM

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 6						
														d1	L1	b1	h1	t1	S1	m1
6215DB	675	265	485	395	480	210	475	580	40	50	40	110	26	110	165	28	16	10	M20	34
6225DA	692	280	526	420	540	230	520	620	50	40	40	115	33	120	165	32	18	11	M20	34
6225DB	735	280	526	420	540	230	520	620	50	40	40	115	33	120	165	32	18	11	M20	34

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

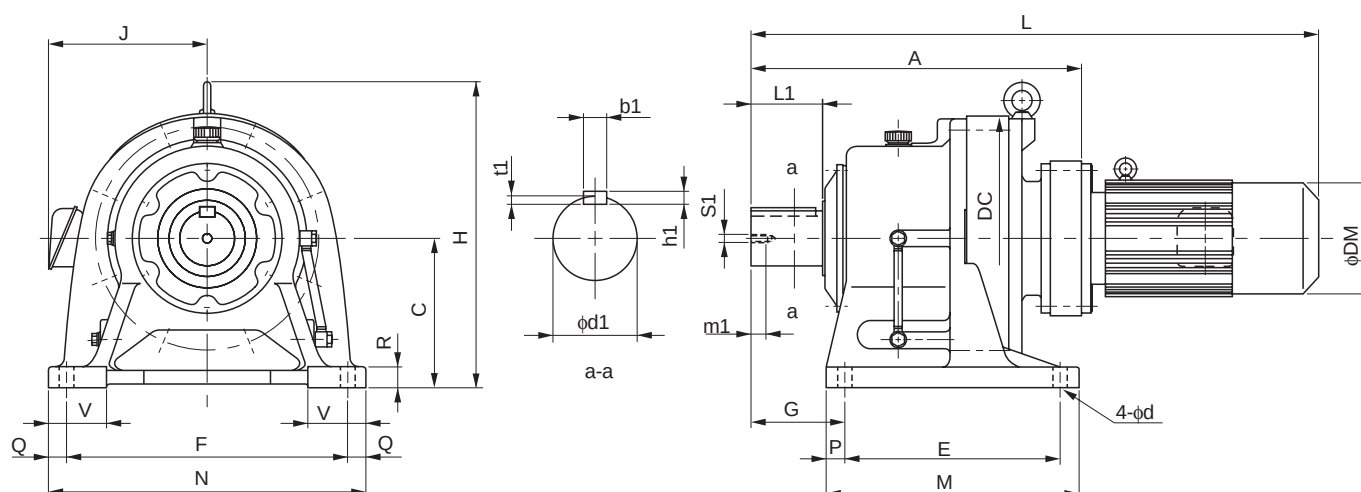
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

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

Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft Note 2, 3, 5						
														d1	L1	b1	h1	t1	S1	m1
6235DA	778	300	562	460	580	260	560	670	50	45	45	120	33	130	200	32	18	11	M24	41
6235DB	800	300	562	460	580	260	560	670	50	45	45	120	33	130	200	32	18	11	M24	41
6245DA	816	335	614	480	630	263	580	720	50	45	45	128	39	140	200	36	20	12	M24	41
6245DB	837	335	614	480	630	263	580	720	50	45	45	128	39	140	200	36	20	12	M24	41

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

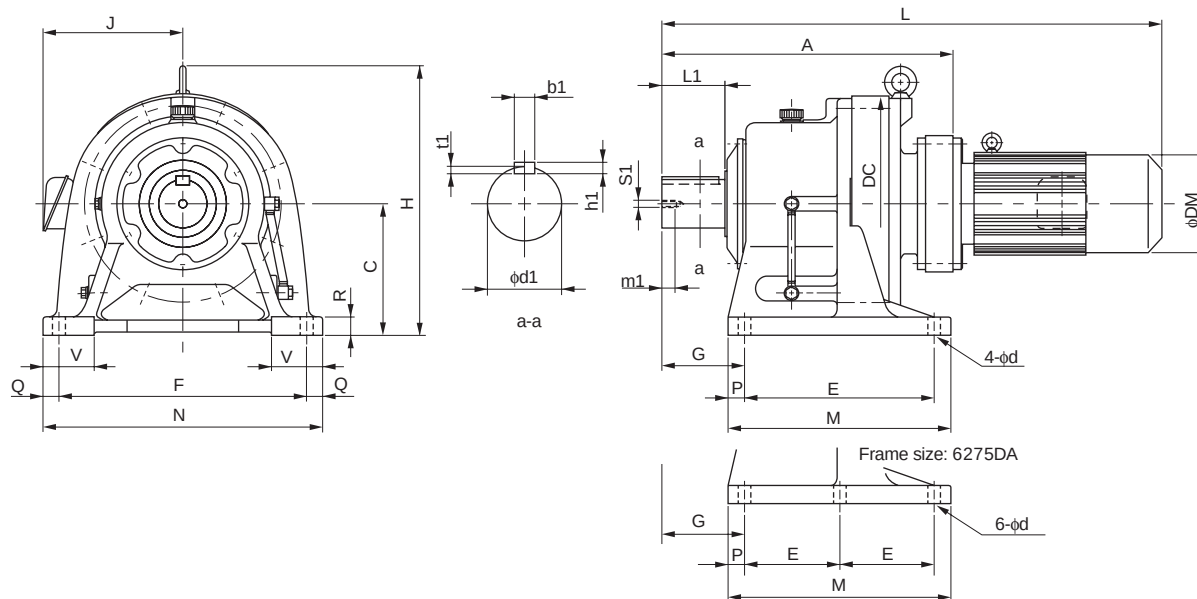
Note: 1. □ indicates motor capacity.

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

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

Dimension Tables Gearmotors (Horizontal Direction, Foot-Mount)

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



Frame size	A	C	DC	E	F	G	M	N	P	Q	R	V	d	Output Shaft ^{Note 2, 3, 5}						
														d1	L1	b1	h1	t1	S1	m1
6255DA	956	375	670	520	670	320	630	780	55	55	50	140	39	160	240	40	22	13	M30	49
6255DB	978	375	670	520	670	320	630	780	55	55	50	140	39	160	240	40	22	13	M30	49
6265DA	1088	400	736	590	770	390	700	880	55	55	55	160	45	170	300	40	22	13	M30	49
6275DA	1349	540	950	420	1050	485	1040	1160	100	55	60	200	45	180	330	45	25	15	M30	52

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

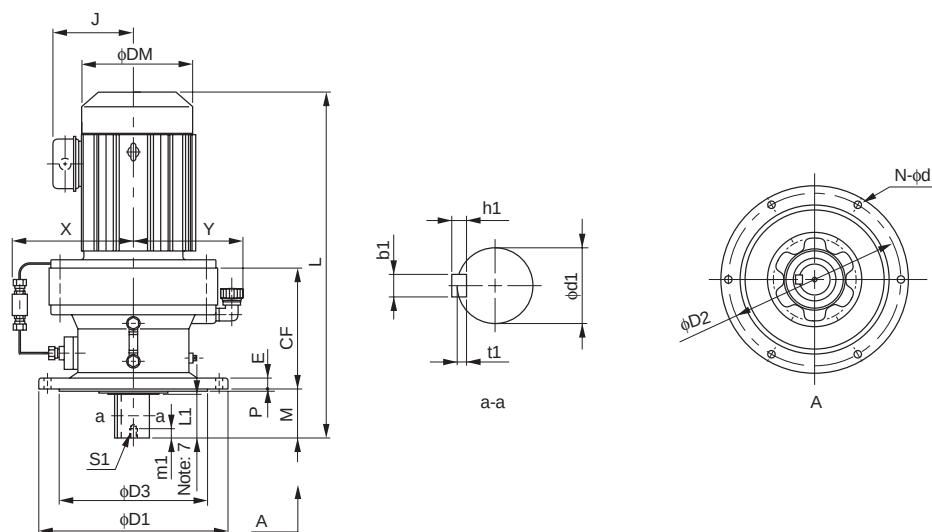
Note: 4. "B" after the frame size indicates models equipped with brake.

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

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

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

CVVM^{Note 1} - 618□ to 619□



Frame size Note 5	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 7						
												d1	L1	b1	h1	t1	S1	m1
618□	279	430	390	345	110	22	5	8	18	237	240	80	100	22	14	9	M12	24
619□	320	490	450	400	145	30	6	12	18	265	270	95	125	25	14	9	M20	34

Model Note 5, 6	Motor		Standard				With Brake			
	kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM4 - 618□ - (B) - Ratio	3.0	4	717	168	212	170	789	168	212	180
CVVM5 - 618□ - (B) - Ratio	3.7	4	717	168	212	170	789	168	212	180
CVVM8 - 618□ - (B) - Ratio	5.5	4	761	168	212	178	833	168	212	188
CVVM10 - 618□ - (B) - Ratio	7.5	4	779	213	251	193	874	213	251	211
CVVM15 - 618□ - (B) - Ratio	11	4	839	213	251	207	934	213	251	225
CVVM20 - 618□ - (B) - Ratio	15	4	919	261	324	267	1024	261	324	296
CVVM25 - 618□ - (B) - Ratio	18.5	4	1014	328	394	333	1179	328	394	384
CVVM30 - 618□ - (B) - Ratio	22	4	1014	328	394	333	1179	328	394	384
CVVM40 - 618□ - (B) - Ratio	30	4	1014	328	394	350	1179	328	394	393
CVVM50 - 618□ - (B) - Ratio	37	4	1129	328	394	398	1344	328	394	495
CVVM60 - 618□ - (B) - Ratio	45	4	1129	328	394	398	1344	328	394	495
CVVM8 - 619□ - (B) - Ratio	5.5	4	857	168	212	250	929	168	212	260
CVVM10 - 619□ - (B) - Ratio	7.5	4	870	213	251	263	965	213	251	281
CVVM15 - 619□ - (B) - Ratio	11	4	930	213	251	277	1025	213	251	295
CVVM20 - 619□ - (B) - Ratio	15	4	995	261	324	330	1100	261	324	365
CVVM25 - 619□ - (B) - Ratio	18.5	4	1090	328	394	408	1255	328	394	453
CVVM256 - 619□ - (B) - Ratio	18.5	6	1090	328	394	421	1255	328	394	466
CVVM30 - 619□ - (B) - Ratio	22	4	1090	328	394	408	1255	328	394	453
CVVM40 - 619□ - (B) - Ratio	30	4	1090	328	394	421	1255	328	394	466
CVVM406 - 619□ - (B) - Ratio	30	6	1205	328	394	459	1420	328	394	556
CVVM50 - 619□ - (B) - Ratio	37	4	1205	328	394	459	1420	328	394	556
CVVM506 - 619□ - (B) - Ratio	37	6	1205	328	394	459	1420	328	394	556
CVVM60 - 619□ - (B) - Ratio	45	4	1205	328	394	459	1420	328	394	556

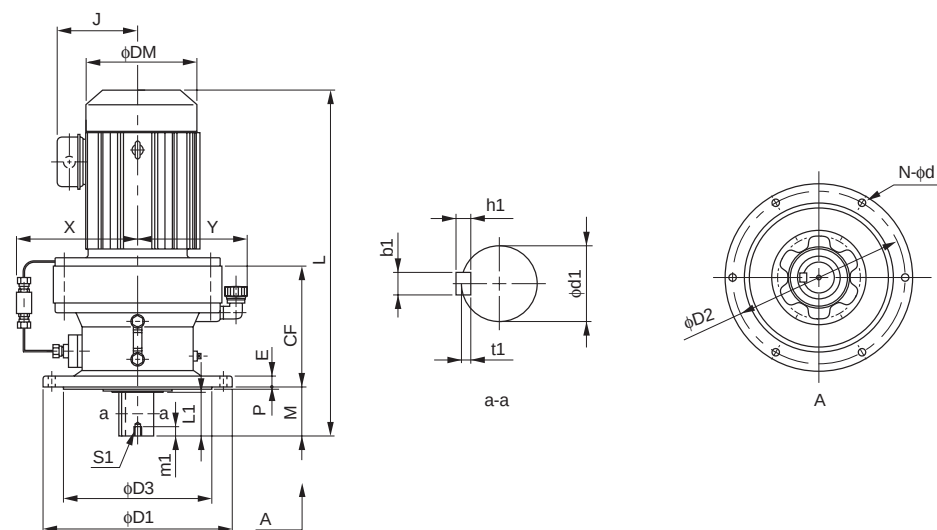
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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

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

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

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

CVVM^{Note 1} - 6205 to 6215

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 6						
												d1	L1	b1	h1	t1	S1	m1
6205	298	455	405	355	204	30	5	8	22	341	287	100	165	28	16	10	M20	34
6215	323	490	440	390	203	35	7	8	24	348	306	110	165	28	16	10	M20	34

Model	Note 5	Motor		Standard				With Brake			
		kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM15 - 6205	- (B) - Ratio	11	4	972	213	251	299	1067	213	251	317
CVVM20 - 6205	- (B) - Ratio	15	4	1042	261	324	353	1147	261	324	389
CVVM206 - 6205	- (B) - Ratio	15	6	1127	328	394	428	1292	328	394	473
CVVM25 - 6205	- (B) - Ratio	18.5	4	1127	328	394	428	1292	328	394	473
CVVM30 - 6205	- (B) - Ratio	22	4	1127	328	394	428	1292	328	394	473
CVVM306 - 6205	- (B) - Ratio	22	6	1127	328	394	441	1292	328	394	486
CVVM40 - 6205	- (B) - Ratio	30	4	1127	328	394	441	1292	328	394	486
CVVM406 - 6205	- (B) - Ratio	30	6	1242	328	394	479	1457	328	394	573
CVVM50 - 6205	- (B) - Ratio	37	4	1242	328	394	479	1457	328	394	573
CVVM506 - 6205	- (B) - Ratio	37	6	1242	328	394	479	1457	328	394	573
CVVM60 - 6205	- (B) - Ratio	45	4	1242	328	394	479	1457	328	394	573
CVVM606 - 6205	- (B) - Ratio	45	6	1297	378	484	572	-	-	-	-
CVVM75 - 6205	- (B) - Ratio	55	4	1297	378	484	572	-	-	-	-
CVVM15 - 6215	- (B) - Ratio	11	4	996	213	251	377	1091	213	251	395
CVVM20 - 6215	- (B) - Ratio	15	4	1066	261	324	432	1171	261	324	467
CVVM206 - 6215	- (B) - Ratio	15	6	1151	328	394	501	1316	328	394	546
CVVM25 - 6215	- (B) - Ratio	18.5	4	1151	328	394	501	1316	328	394	546
CVVM256 - 6215	- (B) - Ratio	18.5	6	1151	328	394	514	1316	328	394	559
CVVM30 - 6215	- (B) - Ratio	22	4	1151	328	394	501	1316	328	394	546
CVVM306 - 6215	- (B) - Ratio	22	6	1151	328	394	514	1316	328	394	559
CVVM40 - 6215	- (B) - Ratio	30	4	1151	328	394	514	1316	328	394	559
CVVM406 - 6215	- (B) - Ratio	30	6	1266	328	394	569	1481	328	394	664
CVVM50 - 6215	- (B) - Ratio	37	4	1266	328	394	569	1481	328	394	664
CVVM506 - 6215	- (B) - Ratio	37	6	1266	328	394	569	1481	328	394	664
CVVM60 - 6215	- (B) - Ratio	45	4	1266	328	394	569	1481	328	394	664
CVVM606 - 6215	- (B) - Ratio	45	6	1321	378	484	662	-	-	-	-
CVVM75 - 6215	- (B) - Ratio	55	4	1321	378	484	662	-	-	-	-

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

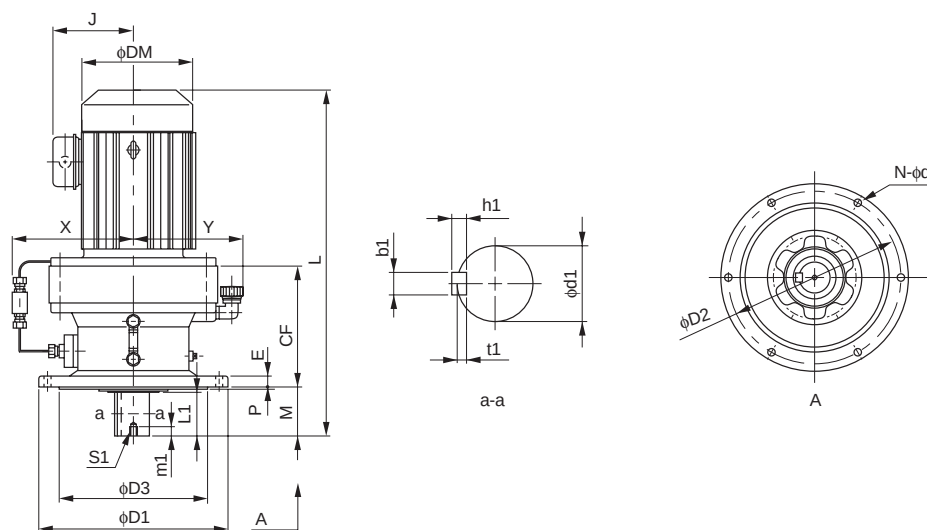
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

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

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

CVVM^{Note 1} - 6225 to 6235



GEARMOTORS

 Dimension Tables
CVVM

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 6						
												d1	L1	b1	h1	t1	S1	m1
6225	356	535	475	415	210	35	10	8	27	352	326	120	165	32	18	11	M20	34
6235	378	570	510	450	250	40	10	8	27	359	344	130	200	32	18	11	M24	41

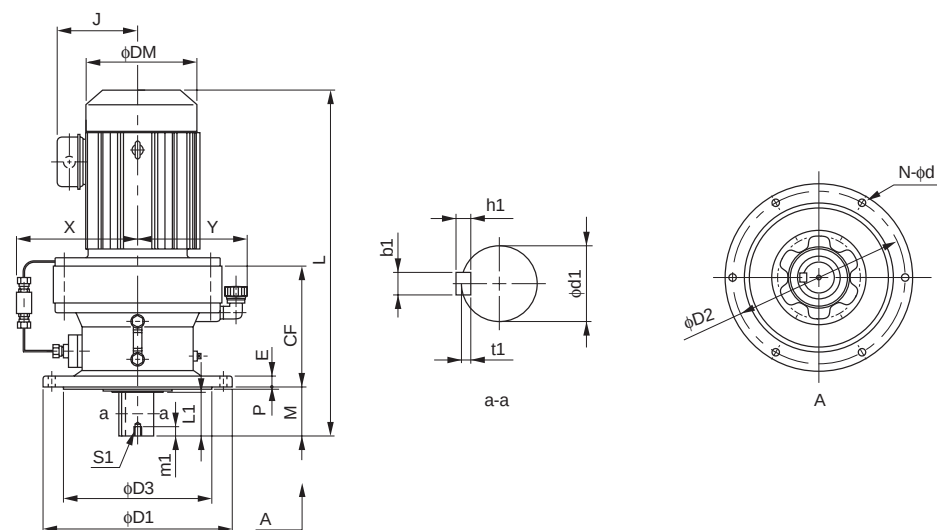
Model Note 5	Motor		Standard				With Brake			
	kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM206 - 6225 - (B) - Ratio	15	6	1191	328	394	593	1356	328	394	638
CVVM25 - 6225 - (B) - Ratio	18.5	4	1191	328	394	593	1356	328	394	638
CVVM256 - 6225 - (B) - Ratio	18.5	6	1191	328	394	606	1356	328	394	651
CVVM30 - 6225 -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

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

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

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

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

CVVM - 6245 to 6265

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

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

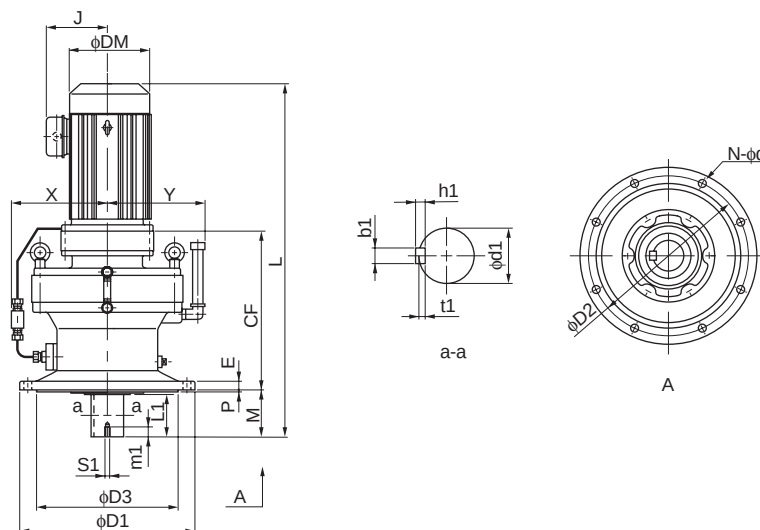
Note: 1.  indicates motor capacity.

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

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

4. Pilot diameter (φD3): Dimension tolerance conforms to JIS B 0401-1976 "f8."

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

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

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 6						
												d1	L1	b1	h1	t1	S1	m1
6235DA	529	570	510	450	250	40	10	8	27	359	344	130	200	32	18	11	M24	41
6235DB	551	570	510	450	250	40	10	8	27	359	344	130	200	32	18	11	M24	41
6245DA	566	635	560	485	250	40	10	8	33	370	371	140	200	36	20	12	M24	41
6245DB	587	635	560	485	250	40	10	8	33	370	371	140	200	36	20	12	M24	41

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

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

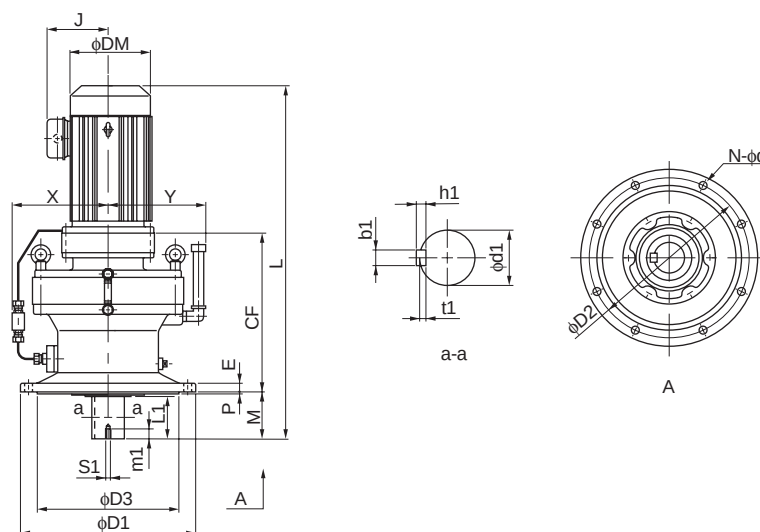
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

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

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

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



GEARMOTORS

Dimension Tables
CVVM

Frame size	CF	D1	D2	D3	M	E	P	N	d	X	Y	Output Shaft Note 2, 3, 6						
												d1	L1	b1	h1	t1	S1	m1
6255DA	661	685	610	535	295	45	10	8	33	395	399	160	240	40	22	13	M30	49
6255DB	684	685	610	535	295	45	10	8	33	395	399	160	240	40	22	13	M30	49
6265DA	728	750	660	570	360	50	10	8	39	427	431	170	300	40	22	13	M30	49
6275DA	994	1160	1020	900	355	60	10	8	39	610	613	180	320	45	25	15	M30	52

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

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

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

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