

CYCLO DRIVE WARRANTY 2 YEARS

Sumitomo Drive Technologies
»» Building Tomorrow Together

CYCLO DRIVE GEAR MOTOR

CNHM CHHM CNVM CVVM












Sumitomo Drive Technologies

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LET'S SUMITOMO GEAR MOTOR

Sumitomo
Drive Technologies
CYCLO 6000

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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

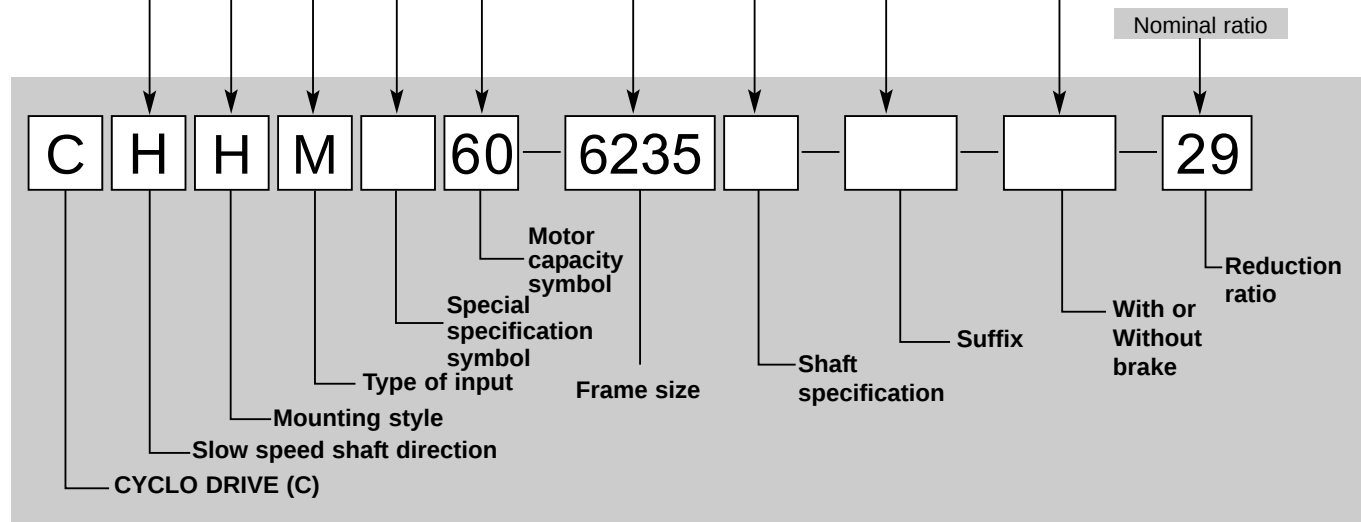
Motor Capacity Symbol		01	02	03	05	08	1
4P	Capacity symbol	01	02	03	05	08	1
	kW (HP)	0.1 (1/8)	0.2 (1/4)	0.25 (1/3)	0.4 (1/2)	0.55 (3/4)	0.75 (1)
	Capacity symbol	1H	2	3	4	5	8
	kW (HP)	1.1 (1.5)	1.5 (2)	2.2 (3)	3.0 (4)	3.7 (5)	5.5 (7.5)
	Capacity symbol	10	15	20	25	30	40
	kW (HP)	7.5 (10)	11 (15)	15 (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

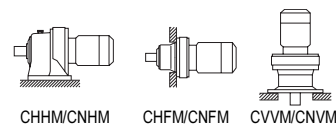
Frame size
(Refer to Selection
Tables starting from
6195)



CHHM = FOOT MOUNTING STYLE
CVVM = FLANGE MOUNTING STYLE

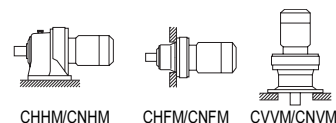
Selection Tables Gearmotors

37 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁ r/min		1450	980	1750	1165
	n ₂		r/min		r/min	



50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
12.0	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	235000	23900	1.18	13.4	25100	2560	222000	22700	1.37	50 -	6265DA	- 121	B-115	B-132	B-151
			192000	19600	1.04				183000	18700	1.16	506 -	6255	- 87	B-107	B-123	B-142
8.79	26200	2680	236000	24000	1.44	10.6	26200	2680	224000	22900	1.44	506 -	6265	- 87	B-107	B-123	B-142
			168000	17100	*1				158000	16100	*1	50 -	6245DB	- 165	B-114	B-131	B-150
7.44	36200	3690	205000	20900	0.86	8.97	30000	3060	194000	19800	1.04	50 -	6255DB	- 165	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	31200	3180	216000	22100	*1	7.58	31200	3180	204000	20800	*1	50 -	6255DB	- 195	B-115	B-132	B-151
			263000	26800	1.02				35400	3610	250000	25400	1.23	50 - 6265DA	- 195	B-115	B-132
5.31	46000	4690	276000	28100	*1	6.41	46000	4690	276000	28100	*1	50 -	6265DA	- 231	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	- 377	B-115	-	B-151

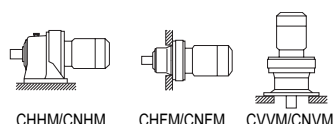
45 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁ r/min		1450	980	1750	1165
	n ₂		r/min		r/min	



50Hz						60Hz						Nomenclature			Page of Dimension Sheet		
Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Output Speed n ₂	Output Torque Tout	Alloable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
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.

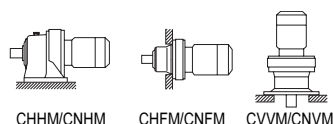
Selection Tables Gearmotors



45 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 CHHM	CNFM CHFM	CNVM CVVM	
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf							
46.7	8750	892	69500	7080	55.5	7360	750	66200	6750	1.22	606 -	6205	- 21	B-105	B-121	B-140
			71000	7240				1.67	606 -	6215	- 21	B-105	B-121	B-140		
			75100	7660				2.01	606 -	6225	- 21	B-106	B-122	B-141		
			94100	9590				2.17	606 -	6235	- 21	B-106	B-122	B-141		
33.8	12100	1230	76800	7830	40.2	10200	1040	73200	7460	1.24	606 -	6215	- 29	B-105	B-121	B-140
			102000	10400				1.67	606 -	6235	- 29	B-106	B-122	B-141		
			114000	11700				2.09	606 -	6245	- 29	B-107	B-123	B-142		
33.7	12100	1230	77200	7870	40.7	10000	1020	73300	7470	1.00	60 -	6215	- 43	B-105	B-121	B-140
			82000	8360				1.26	77800	7940	1.26	60 -	6225	- 43	B-106	B-122
22.8	17900	1830	114000	11600	27.1	15100	1540	108000	11100	1.21	606 -	6235	- 43	B-106	B-122	B-141
			128000	13100				1.67	606 -	6245	- 43	B-107	B-123	B-142		
			157000	16000				1.98	606 -	6255	- 43	B-107	B-123	B-142		
			193000	19700				2.51	606 -	6265	- 43	B-107	B-123	B-142		
16.6	24600	2510	139000	14100	19.7	20700	2110	132000	13500	1.25	606 -	6245	- 59	B-107	B-123	B-142
			210000	21400				1.87	200000	20400	2.09	606 -	6265	- 59	B-107	B-123
12.0	32300	3290	190000	19400	14.5	26700	2730	180000	18400	1.03	60 -	6255DB	- 121	B-115	B-132	B-151
			234000	23800				0.97	222000	22600	1.13	60 -	6265DA	- 121	B-115	B-132
11.3	36200	3690	235000	23900	13.4	30500	3110	223000	22800	1.19	606 -	6265	- 87	B-107	B-123	B-142
8.79	44000	4490	250000	25500	10.6	36500	3720	237000	24200	1.13	60 -	6265DA	- 165	B-115	B-132	B-151
7.44	52000	5300	262000	26700	8.97	43100	4390	248000	25300	1.01	60 -	6265DA	- 195	B-115	B-132	B-151
6.28	46000	4690	276000	28100	7.58	46000	4690	265000	27000	*1	60 -	6265DA	- 231	B-115	B-132	B-151
4.55	68200	6950	248000	25300	5.49	68200	6950	248000	25300	*1	60 -	6275DA	- 319	B-115	-	B-151
	85100	8670	248000	25300		0.97	60 -	6275DA	- 319	B-115	-	B-151				

GEARMOTORS

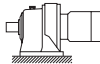
Selection Tables
45 kW, 55 kW

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

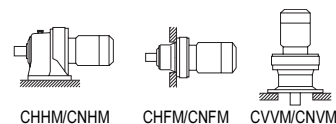
50Hz						60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout		Alloeable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Alloeable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
132	3790	386	51700	5270	1.09	159	3140	320	49000	5000	1.09	75 -	6205	- 11	B-105	B-121	B-140
			52400	5340	1.37				75 -	6215	- 11	B-105	B-121	B-140			
			55600	5670	1.81				75 -	6225	- 11	B-106	B-122	B-141			
96.7	5160	526	55500	5660	1.09	117	4280	436	52600	5360	1.09	75 -	6205	- 15	B-105	B-121	B-140
			56200	5730	1.37				75 -	6215	- 15	B-105	B-121	B-140			
			60000	6120	1.81				75 -	6225	- 15	B-106	B-122	B-141			
89.1	5600	571	57800	5900	1.09	106	4710	480	55100	5610	1.09	756 -	6205	- 11 *2	-	-	-
			58600	5970	1.37				756 -	6215	- 11 *2	-	-	-			
			62200	6340	1.81				756 -	6225	- 11 *2	-	-	-			
69.0	7230	737	61900	6310	1.08	83.3	5990	610	58700	5980	1.08	75 -	6205	- 21	B-105	B-121	B-140
			63300	6450	1.37				75 -	6215	- 21	B-105	B-121	B-140			
			66900	6820	1.71				75 -	6225	- 21	B-106	B-122	B-141			
65.3	7640	779	62000	6320	1.09	77.7	6420	655	59000	6020	1.09	756 -	6205	- 15 *2	-	-	-
			62800	6400	1.37				756 -	6215	- 15 *2	-	-	-			
			67100	6840	1.81				756 -	6225	- 15 *2	-	-	-			

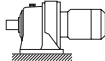
- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.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

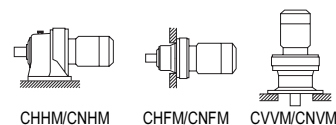
Selection Tables Gearmotors

55 kW						n ₁ : Motor Speed						 CHHM/CNHM			 CHFM/CNFM			 CNVM/CVVM		
						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
50.0	9980	1020	68500	6980	1.06	60.3	8270	843	65000	6630	1.06	75 -	6215	- 29	B-105	B-121	B-140
			72700	7410	1.37				69000	7030	1.37	75 -	6225	- 29	B-106	B-122	B-141
			70500	7190	1.17				67200	6860	1.37	756 -	6215	- 21 *2	-	-	-
46.7	10700	1090	74700	7610	1.38	55.5	8990	917	71200	7250	1.65	756 -	6225	- 21 *2	-	-	-
			93700	9550	1.77				89200	9090	1.77	756 -	6235	- 21	B-106	B-122	B-141
			80900	8240	1.02				77200	7870	1.21	756 -	6225	- 29 *2	-	-	-
33.8	14800	1510	114000	11600	1.71	40.2	12400	1270	108000	11100	1.71	756 -	6245	- 29	B-107	B-123	B-142
			141000	14300	2.15				134000	13600	2.15	756 -	6255	- 29	B-107	B-123	B-142
			81400	8290	1.03				77300	7880	1.03	75 -	6225	- 43	B-106	B-122	B-141
22.8	21900	2230	127000	13000	1.18	27.1	18400	1880	121000	12400	1.37	756 -	6245	- 43	B-107	B-123	B-142
			157000	16000	1.42				149000	15200	1.62	756 -	6255	- 43	B-107	B-123	B-142
			192000	19600	2.05				183000	18700	2.05	756 -	6265	- 43	B-107	B-123	B-142
16.6	30000	3060	170000	17400	1.03	19.7	25300	2580	162000	16500	1.18	756 -	6255	- 59	B-107	B-123	B-142
			209000	21400	1.53				199000	20300	1.71	756 -	6265	- 59	B-107	B-123	B-142
			248000	25300	2.27				248000	25300	2.40	756 -	6275	- 59 *2	-	-	-

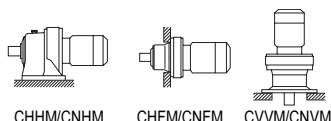


75 kW						n ₁ : Motor Speed														
						Hz		50Hz		60Hz		CHHM/CNHM			CHFM/CNFM			CVVM/CVVM		
						P		4	6	4	6									
n ₁		r/min		1450		980		1750		1165										
50Hz						60Hz						Nomenclature			Page of Dimension Sheet					
Output Speed n ₂	Output Torque T _{out}	Alloable Radial Load Pro		SF		Output Speed n ₂	Output Torque T _{out}	Alloable Radial Load Pro		SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM			
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM			
132	5160	526	55300	5640	1.33	159	4280	436	52400	5340	1.33	100-	6225	- 11 *2	-	-	-			
96.7	7040	718	59600	6070	1.33	117	5830	595	56500	5760	1.33	100-	6225	- 15 *2	-	-	-			
89.1	7640	779	77600	7910	1.51	106	6420	655	73900	7530	1.51	1006-	6235	- 11 *2	-	-	-			
			86500	8810	1.76				82300	8390	1.76	1006-	6245	- 11 *2	-	-	-			
69.0	9850	1000	66300	6760	1.26	83.3	8170	832	62900	6420	1.26	100-	6225	- 21 *2	-	-	-			
65.3	10400	1060	82900	8450	1.51	77.7	8760	893	78900	8050	1.51	1006-	6235	- 15 *2	-	-	-			
			92800	9460	1.76				88300	9000	1.76	1006-	6245	- 15 *2	-	-	-			
50.0	13600	1390	71800	7320	1.00	60.3	11300	1150	68200	6960	1.00	100-	6225	- 29 *2	-	-	-			
46.7	14600	1490	92800	9460	1.30	55.5	12300	1250	88500	9020	1.30	1006-	6235	- 21 *2	-	-	-			
			104000	10600	1.60				98700	10100	1.60	1006-	6245	- 21 *2	-	-	-			
			127000	12900	2.01				121000	12300	2.01	1006-	6255	- 21 *2	-	-	-			
33.8	20100	2050	113000	11500	1.26	40.2	16900	1730	108000	11000	1.26	1006-	6245	- 29 *2	-	-	-			
			139000	14200	1.57				133000	13500	1.57	1006-	6255	- 29 *2	-	-	-			
			172000	17500	2.12				163000	16600	2.12	1006-	6265	- 29 *2	-	-	-			
22.8	29900	3040	155000	15800	1.04	27.1	25100	2560	148000	15100	1.19	1006-	6255	- 43 *2	-	-	-			
			191000	19500	1.51				182000	18600	1.51	1006-	6265	- 43 *2	-	-	-			
			248000	25300	2.01				248000	25300	2.01	1006-	6275	- 43 *2	-	-	-			
16.6	41000	4180	208000	21200	1.12	19.7	34500	3510	198000	20200	1.26	1006-	6265	- 59 *2	-	-	-			
			248000	25300	1.67				248000	25300	1.76	1006-	6275	- 59 *2	-	-	-			



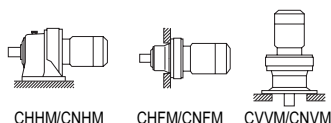
1. Combinations in **bold** are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer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

Selection Tables Gearmotors



90 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
89.1	9170	934	77300	7880	1.26	106	7710	786	73600	7500	1.26	1256-	6235	- 11 *2	-	-	-
			86100	8780	1.47				82000	8360	1.47	1256-	6245	- 11 *2	-	-	-
			106000	10800	1.68				101000	10300	1.68	1256-	6255	- 11 *2	-	-	-
			130000	13200	1.94				123000	12600	1.94	1256-	6265	- 11 *2	-	-	-
65.3	12500	1270	82400	8400	1.26	77.7	10500	1070	78500	8010	1.26	1256-	6235	- 15 *2	-	-	-
			92300	9410	1.47				87900	8960	1.47	1256-	6245	- 15 *2	-	-	-
			113000	11600	1.68				108000	11000	1.68	1256-	6255	- 15 *2	-	-	-
			139000	14100	1.94				132000	13400	1.94	1256-	6265	- 15 *2	-	-	-
46.7	17500	1780	92200	9400	1.08	55.5	14700	1500	88000	8970	1.08	1256-	6235	- 21 *2	-	-	-
			103000	10500	1.33				98200	10000	1.33	1256-	6245	- 21 *2	-	-	-
			126000	12900	1.68				120000	12300	1.68	1256-	6255	- 21 *2	-	-	-
			155000	15800	1.91				147000	15000	1.91	1256-	6265	- 21 *2	-	-	-
33.8	24200	2460	112000	11400	1.05	40.2	20300	2070	107000	10900	1.05	1256-	6245	- 29 *2	-	-	-
			139000	14100	1.31				132000	13500	1.31	1256-	6255	- 29 *2	-	-	-
			171000	17400	1.77				163000	16600	1.77	1256-	6265	- 29 *2	-	-	-
22.8	35800	3650	190000	19400	1.26	27.1	30100	3070	181000	18500	1.26	1256-	6265	- 43 *2	-	-	-
			248000	25300	1.68				248000	25300	1.68	1256-	6275	- 43 *2	-	-	-
16.6	49200	5010	248000	25300	1.39	19.7	41400	4220	248000	25300	1.47	1256-	6275	- 59 *2	-	-	-



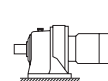
110 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n ₁	r/min	1450	980	1750	1165

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	CNVM
r/min	N·m	kgf·m	N	kgf		r/min	N·m	kgf·m	N	kgf					CHHM	CHFM	CVVM
89.1	11200	1140	85700	8730	1.20	106	9420	961	81600	8320	1.20	1506-	6245	- 11 *2	-	-	-
			105000	10700	1.37				100000	10200	1.37	1506-	6255	- 11 *2	-	-	-
65.3	15300	1560	91700	9350	1.20	77.7	12800	1310	87500	8910	1.20	1506-	6245	- 15 *2	-	-	-
			113000	11500	1.37				108000	11000	1.37	1506-	6255	- 15 *2	-	-	-
46.7	21400	2180	102000	10400	1.09	55.5	18000	1830	97500	9940	1.09	1506-	6245	- 21 *2	-	-	-
			126000	12800	1.37				120000	12200	1.37	1506-	6255	- 21 *2	-	-	-
33.8	29500	3010	138000	14000	1.07	40.2	24800	2530	131000	13400	1.07	1506-	6255	- 29 *2	-	-	-
			170000	17300	1.45				162000	16500	1.45	1506-	6265	- 29 *2	-	-	-
22.8	43800	4460	189000	19300	1.03	27.1	36800	3750	180000	18400	1.03	1506-	6265	- 43 *2	-	-	-

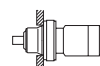
- "*2" indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.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

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



CHHM/CNHM



CHFV/CNFM

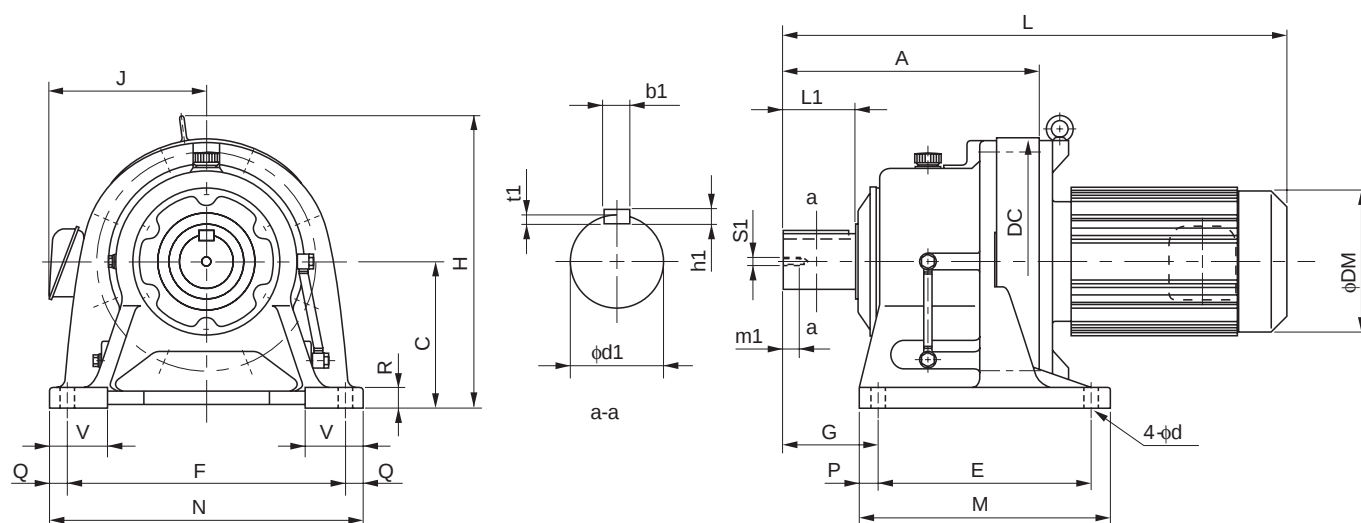


CVVM/CNVM

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
89.1	13400	1370	105000	10700	1.14	106	11300	1150	99900	10200	1.14	1756-	6255	- 11 *2	-	-	-
			129000	13100	1.33				123000	12500	1.33	1756-	6265	- 11 *2	-	-	-
65.3	18300	1870	112000	11500	1.14	77.7	15400	1570	107000	10900	1.14	1756-	6255	- 15 *2	-	-	-
			138000	14000	1.33				131000	13400	1.33	1756-	6265	- 15 *2	-	-	-
46.7	25700	2620	125000	12700	1.14	55.5	21600	2200	119000	12100	1.14	1756-	6255	- 21 *2	-	-	-
			154000	15700	1.30				146000	14900	1.30	1756-	6265	- 21 *2	-	-	-
33.8	35400	3610	169000	17200	1.20	40.2	29800	3040	161000	16400	1.20	1756-	6265	- 29 *2	-	-	-

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.
6. "*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.
7. Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
8. "*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.
9. Maintain torque load during operation within "Output torque" in the table for models with "**1" in the SF column. They cannot be operated with 100% motor rating.

Dimension Tables Gearmotors (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

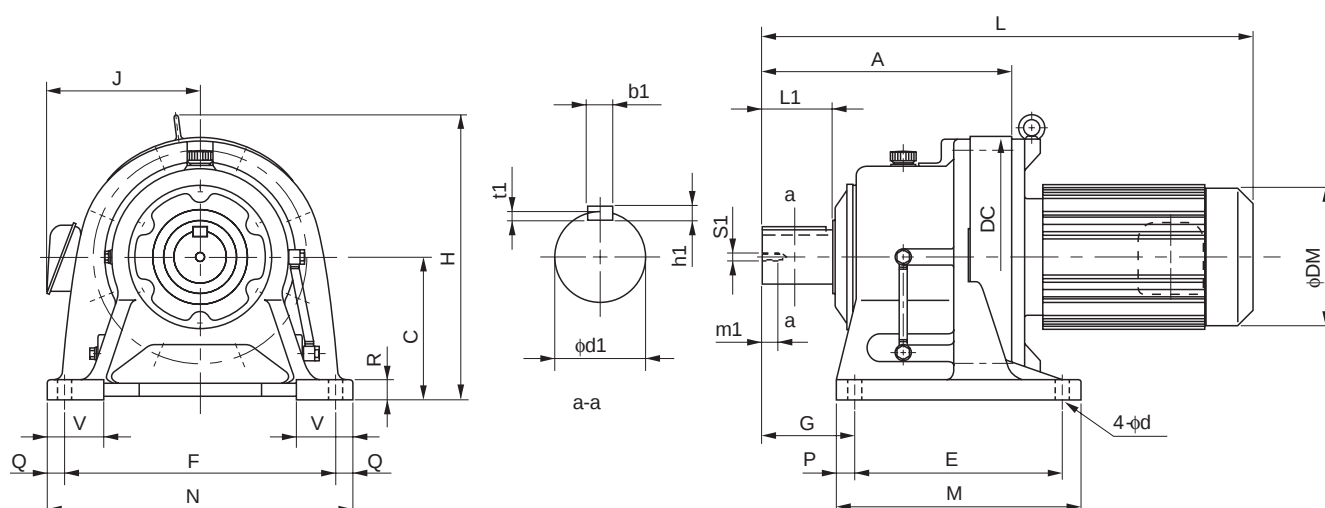
Note: 1. □ indicates motor capacity.

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)
CHHM15 - 6205 - (B) - Ratio	11	4	972	530	213	251	313	1067	530	213	251	332
CHHM20 - 6205 - (B) - Ratio	15	4	1042	530	261	324	367	1147	530	261	324	404
CHHM206 - 6205 - (B) - Ratio	15	6	1127	530	328	394	438	1292	530	328	394	484
CHHM25 - 6205 - (B) - Ratio	18.5	4	1127	530	328	394	438	1292	530	328	394	488
CHHM30 - 6205 - (B) - Ratio	22	4	1127	530	328	394	438	1292	530	328	394	488
CHHM306 - 6205 - (B) - Ratio	22	6	1127	530	328	394	451	1292	530	328	394	501
CHHM40 - 6205 - (B) - Ratio	30	4	1127	530	328	394	451	1292	530	328	394	501
CHHM406 - 6205 - (B) - Ratio	30	6	1242	530	328	394	489	1457	530	328	394	588
CHHM50 - 6205 - (B) - Ratio	37	4	1242	530	328	394	489	1457	530	328	394	588
CHHM506 - 6205 - (B) - Ratio	37	6	1242	530	328	394	489	1457	530	328	394	588
CHHM60 - 6205 - (B) - Ratio	45	4	1242	530	328	394	489	1457	530	328	394	588
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
CHHM20 - 6215 - (B) - Ratio	15	4	1066	575	261	324	450	1171	575	261	324	486
CHHM206 - 6215 - (B) - Ratio	15	6	1151	575	328	394	515	1316	575	328	394	565
CHHM25 - 6215 - (B) - Ratio	18.5	4	1151	575	328	394	515	1316	575	328	394	565
CHHM256 - 6215 - (B) - Ratio	18.5	6	1151	575	328	394	528	1316	575	328	394	578
CHHM30 - 6215 - (B) - Ratio	22	4	1151	575	328	394	515	1316	575	328	394	565
CHHM306 - 6215 - (B) - Ratio	22	6	1151	575	328	394	528	1316	575	328	394	578
CHHM40 - 6215 - (B) - Ratio	30	4	1151	575	328	394	528	1316	575	328	394	578
CHHM406 - 6215 - (B) - Ratio	30	6	1266	575	328	394	566	1481	575	328	394	666
CHHM50 - 6215 - (B) - Ratio	37	4	1266	575	328	394	566	1481	575	328	394	666
CHHM506 - 6215 - (B) - Ratio	37	6	1266	575	328	394	566	1481	575	328	394	666
CHHM60 - 6215 - (B) - Ratio	45	4	1266	575	328	394	566	1481	575	328	394	666
CHHM606 - 6215 - (B) - Ratio	45	6	1321	575	378	484	676	-	-	-	-	-
CHHM75 - 6215 - (B) - Ratio	55	4	1321	575	378	484	676	-	-	-	-	-

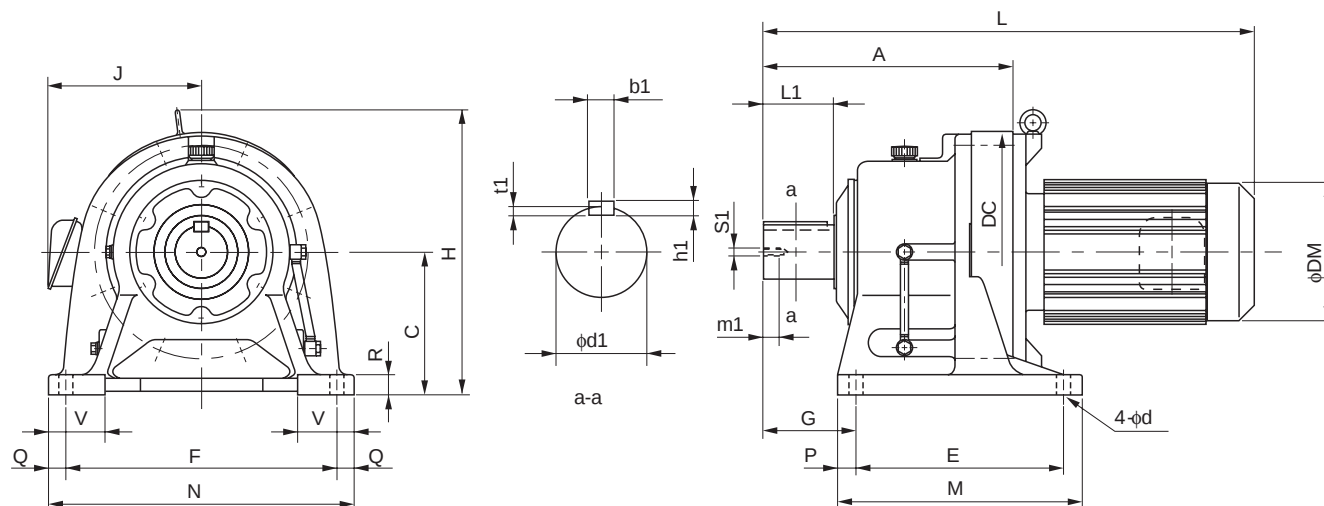
Note: 4. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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	-	-	-	-	-

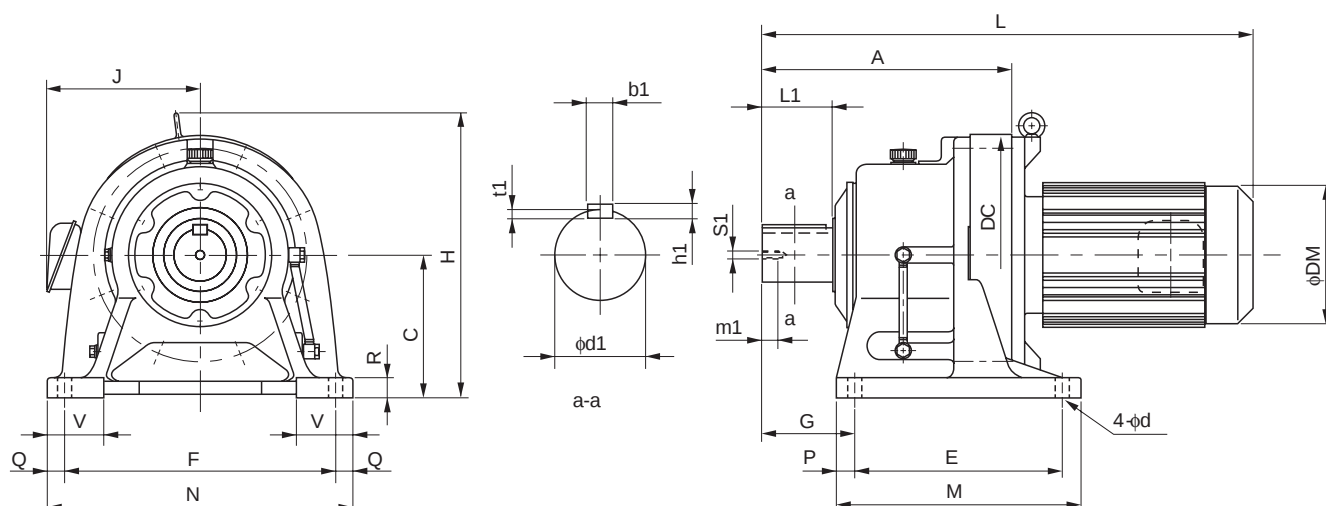
Note: 1. $\square$ indicates motor capacity.

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 - 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		-	-	-	-	-	

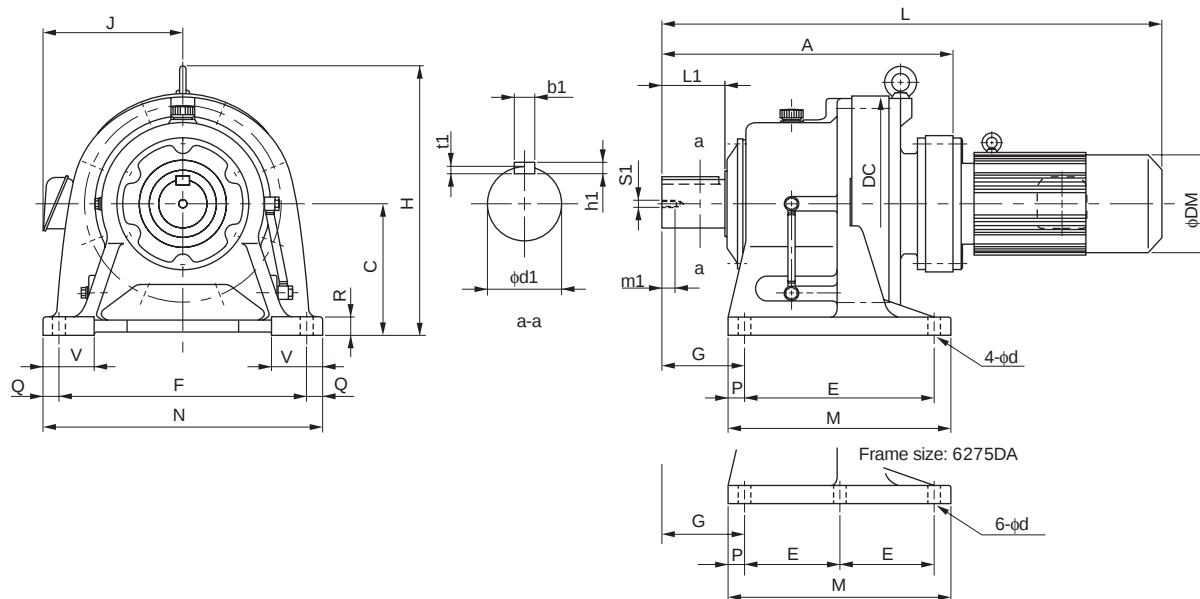
Note: 4. "B" after the frame size indicates models equipped with brake.

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^{Note 1} - 6255DA to 6275DA



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
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

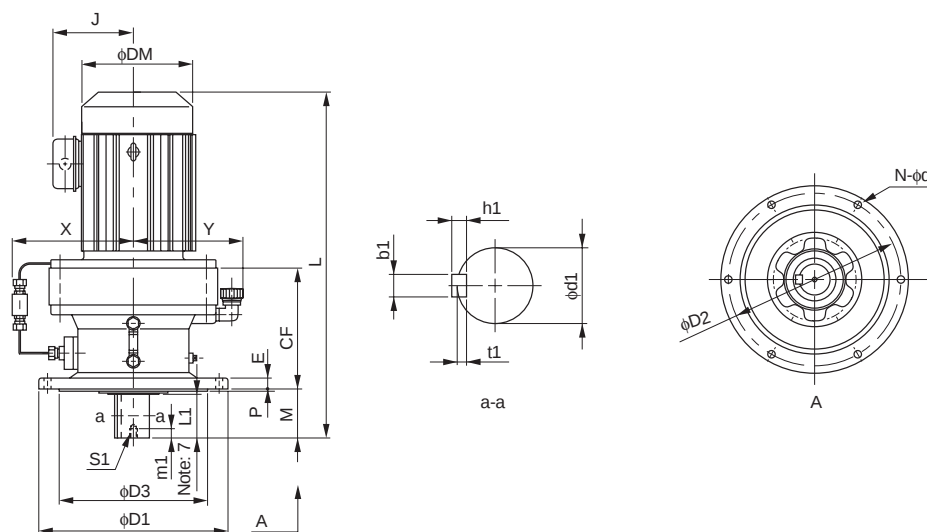
Note: 4. "B" after the frame size indicates models equipped with brake.

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□



GEARMOTORS

Dimension Tables
CVVM

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

Model 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

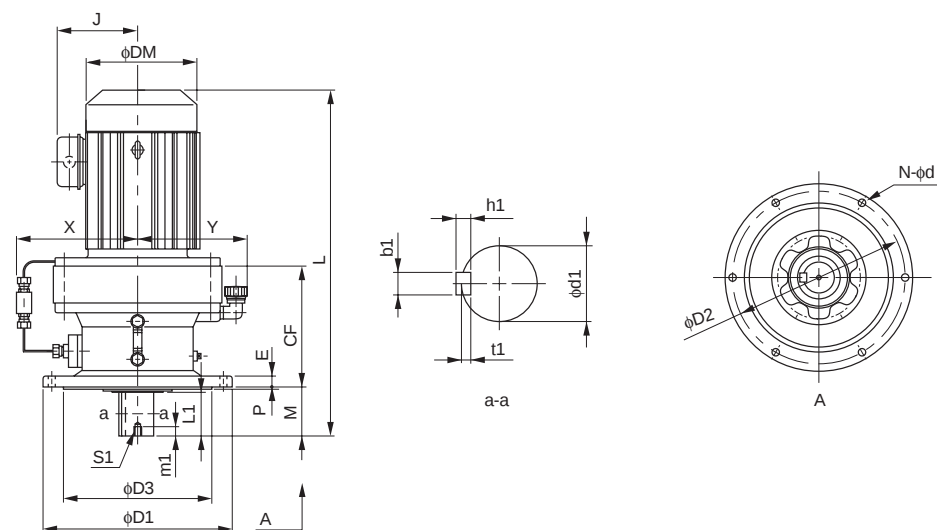
Note: 5. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

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.

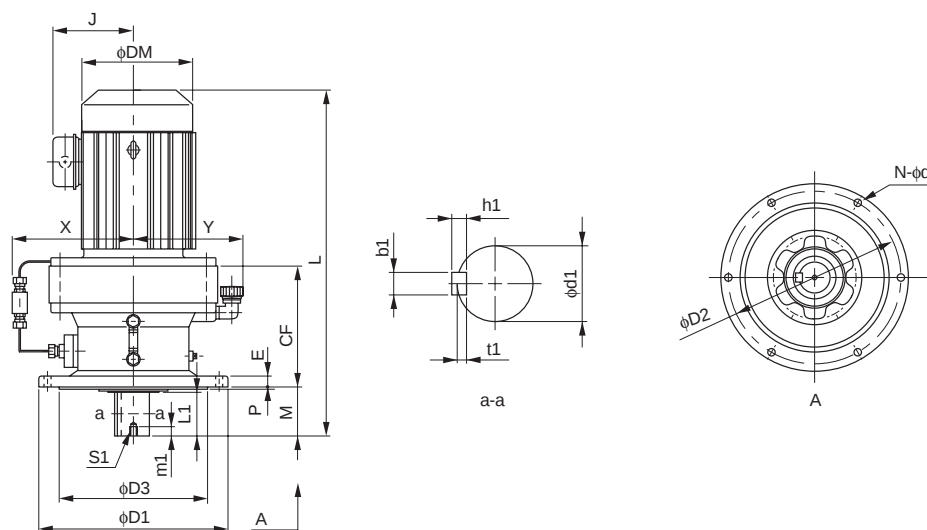
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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

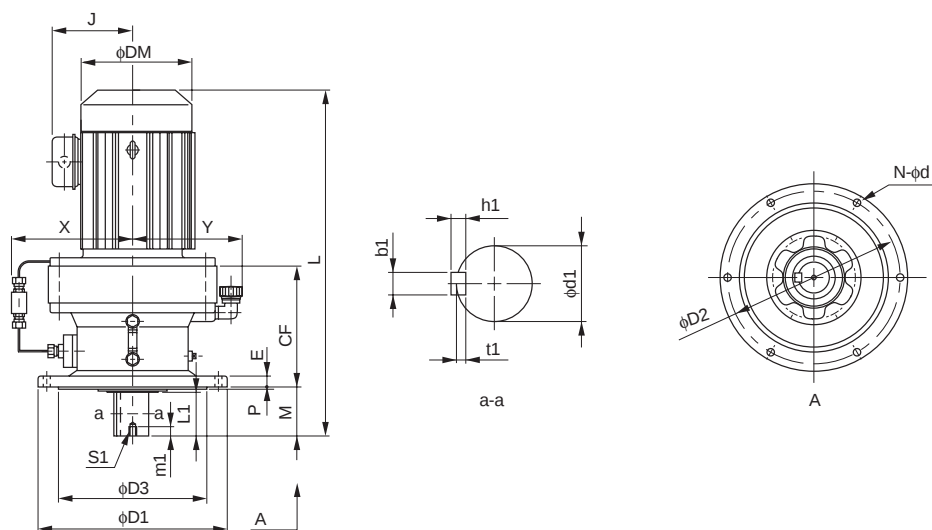
Model Note 5	Motor		Standard				With Brake			
	kW	P	L	J	DM	W(kg)	L	J	DM	W(kg)
CVVM206 - 6225 - (B) - Ratio	15	6	1191	328	394	593	1356	328	394	638
CVVM25 - 6225 - (B) - Ratio	18.5	4	1191	328	394	593	1356	328	394	638
CVVM256 - 6225 - (B) - Ratio	18.5	6	1191	328	394	606	1356	328	394	651
CVVM30 - 6225 - (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^{Note 1} - 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.

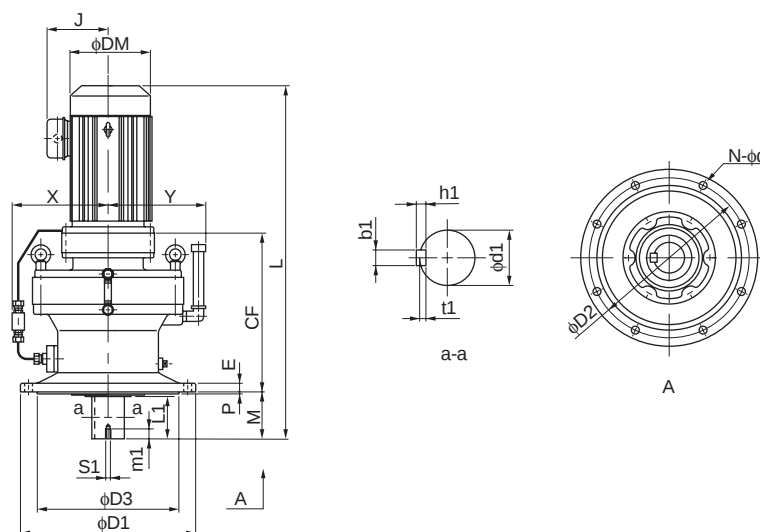
2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

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} - 6255DA to 6275DA



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.