

## Specification Chart

Output	Number of phases	Number of poles	Frequency Hz	Voltage V 50/60/60Hz	Rated current A 50/60/60Hz	Rated revolution r/min 50/60/60Hz	Protection	Cooling method	Rating	Insulation	Brake		
											Type	Rated torque of motor torque	Insulation
1.5kW	Three-phase	4	50/60/60 (50/50/60/60)	200/200/220 (380/400/400/440)	6.6/6.0/5.8 (3.4/3.3/3.0/2.9)	1440/1745/1755 (1445/1450/1745/1755)	Totally enclosed (IP44)	Self managed (JC411)	Continuous	Class E (Class B)	Non-excitation	At least 150%	Class B

Note 1: The values in parentheses under "Rated current" and "Rated revolution" are for 400 V class.

Note 2: The protective construction for the brake type is IP20.

Model number	Motor output kW	Actual reduction ratio	Number of reduction steps	Reducer frame number	Output shaft revolution r/min		Allowable output shaft torque				Allowable output shaft O.H.L.		Drawing number of outline dimensions	
					50Hz	60Hz	N·m		N·m		N	{kgf}		
							{kgf·m}	{kgf·m}	50Hz	60Hz				
CSMR150	10	1.5	1/10	1	28	150	180	86.8	{ 8.8 }	72.4	{ 7.4 }	3610	{ 368 }	1
	15		1/15			100	120	125	{ 12.7 }	105	{ 10.7 }	3610	{ 368 }	
	20		1/20			75	90	162	{ 16.5 }	136	{ 13.9 }	4350	{ 444 }	
	25		1/25			60	72	196	{ 20.0 }	165	{ 16.8 }	4350	{ 444 }	
	30		1/30			50	60	223	{ 22.7 }	189	{ 19.3 }	4800	{ 490 }	2
	40		1/40			37.5	45	289	{ 29.4 }	246	{ 25.0 }	7240	{ 739 }	
	50		1/50			30	36	321	{ 32.8 }	292	{ 29.8 }	7680	{ 784 }	
	60		1/60			25	30	321	{ 32.8 }	292	{ 29.8 }	8280	{ 845 }	
HCMR150	40	1.5	1/40	2	32	37.5	45	317	{ 32.4 }	267	{ 27.2 }	7240	{ 739 }	3
	50		1/50			30	36	392	{ 40.0 }	330	{ 33.7 }	7680	{ 784 }	
	60		1/60			25	30	460	{ 46.9 }	388	{ 39.5 }	10620	{ 1084 }	4
	75		1/75			20	24	567	{ 57.8 }	478	{ 48.7 }	11660	{ 1190 }	
	90		1/90			16.7	20	652	{ 66.5 }	551	{ 56.2 }	11810	{ 1205 }	
	100		1/100			15	18	719	{ 73.3 }	607	{ 62.0 }	11810	{ 1205 }	
	120		1/120	12.5	15	744	{ 75.9 }	674	{ 68.8 }	11810	{ 1205 }	5		
	150		1/150	10	12	988	{ 101 }	840	{ 85.7 }	16680	{ 1702 }			
	180		1/180	8.3	10	1126	{ 115 }	959	{ 97.8 }	16680	{ 1702 }			
	200		1/200	7.5	9	1236	{ 126 }	1052	{ 107 }	16680	{ 1702 }			
	240		1/252	5.95	7.14	1607	{ 164 }	1362	{ 139 }	16680	{ 1702 }			
	300		1/315	4.76	5.71	1980	{ 202 }	1676	{ 171 }	16680	{ 1702 }			

Note 1: The actual reduction ratio is shown as the reduction ratio.

Note 2: The output shaft revolution rate is calculated by dividing the synchronous motor revolution rate by the reduction ratio. Calculate the actual output revolution rate from the motor's rated revolution rate.

## Output Housing Dimensions

Frame number	Thru hole $\phi A$ (H8)	B	C	RD
28	80	2.5	5	67
32	92	5.0	5	66
40	105	2.0	7	86
50	135	9.0	8	107