

Hollow Shaft Type Three-Phase 0.75 kW Non-Brake Type, Brake Type

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
0.75kW	Three-phase	4	50/60/60 (50/50/60/60)	200/200/220 (380/400/400/440)	4.0/3.5/3.4 (1.9/2.0/1.75/1.7)	1440/1730/1740 (1435/1440/1730/1740)	Totally enclosed (IP44)	Self-managed (JC411)	S1 (Continuous)	155 (F)	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	Output shaft revolution r/min		Allowable output shaft torque				Allowable output shaft O.H.L.		Drawing number of outline dimensions
							N·m	{kgf·m}	N·m	{kgf·m}			
				H	50Hz	60Hz	50Hz		60Hz		N	{kgf}	
HMTR075	5	0.75	1/5	2	300	360	20.6	{2.1}	17.6	{1.8}	1519	{155}	1
	7.5		1/7.5		200	240	31.4	{3.2}	26.5	{2.7}	1862	{190}	
	10		1/10		150	180	42.1	{4.3}	34.3	{3.5}	2205	{225}	
	12.5		1/12.5		120	144	51.9	{5.3}	41.3	{4.4}	2303	{235}	
	15		1/15		100	120	62.7	{6.4}	51.9	{5.3}	2401	{245}	
	20		1/20		75	90	83.3	{8.5}	69.6	{7.1}	2646	{270}	
	25		1/25		60	72	104	{10.6}	87.2	{8.9}	2891	{295}	
	30		1/30		50	60	125	{12.8}	104	{10.6}	3136	{320}	
	40		1/40	3	37.5	45	159	{16.2}	132	{13.5}	3626	{370}	2
	50		1/50		30	36	198	{20.2}	165	{16.8}	4116	{420}	
	60		1/60		25	30	238	{24.3}	198	{20.2}	4508	{460}	
	80		1/80		18.8	22.5	317	{32.3}	264	{26.9}	5390	{550}	
	100		1/100		15	18	396	{40.4}	330	{33.7}	6272	{640}	
	120		1/120		12.5	15	475	{48.5}	396	{40.4}	6272	{640}	
	160		1/160		9.4	11.3	621	{63.4}	517	{52.8}	6272	{640}	
	200		1/200		7.5	9	*621	* {63.4}	*621	* {63.4}	6272	{640}	
	300		1/300	4	5	6	973	{99.3}	807	{82.3}	9800	{1000}	3
	360		1/360		4.2	5	1166	{119}	973	{99.3}	9800	{1000}	
	480		1/480		3.1	3.8	*1176	*{120}	*1176	*{120}	9800	{1000}	

Note 1: The actual reduction ratio is shown as the reduction ratio. (They are all integer ratios.)

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.

Note 3: The models marked with * are ones for which torque is limited.