

Hollow Shaft Type Three-Phase 0.1 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
0.1kW	Three-phase	4	50/60/60	200/200/220 (400/400/440)	0.63/0.57/0.58 (0.32/0.29/0.29)	1420/1680/1710 (1440/1740/1740)	Totally enclosed (IP44)	Self-cooled (IC410)	Continuous	120 (E)	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}		
HMTA010	5	0.1	1/5	2	300	360	2.7	{0.28}	2.4	{0.24}	588	{60}	1	
	7.5		1/7.5		200	240	4.2	{0.43}	3.4	{0.35}	784	{80}		
	10		1/10		150	180	5.6	{0.57}	4.6	{0.47}	980	{100}		
	12.5		1/12.5		120	144	7.0	{0.71}	5.8	{0.59}	1029	{105}		
	15		1/15		100	120	8.3	{0.85}	7.0	{0.71}	1078	{110}		
	20		1/20		75	90	10.8	{1.1}	9.3	{0.95}	1176	{120}		
	25		1/25		60	72	13.7	{1.4}	11.8	{1.2}	1274	{130}		
	30		1/30		50	60	16.7	{1.7}	13.7	{1.4}	1421	{145}		
	40		1/40		37.5	45	22.5	{2.3}	18.6	{1.9}	1617	{165}		
	50		1/50		30	36	27.4	{2.8}	23.5	{2.4}	1862	{190}		
	60		1/60	3	25	30	31.4	{3.2}	26.5	{2.7}	2009	{205}	2	
	80		1/80		18.8	22.5	42.1	{4.3}	35.3	{3.6}	2254	{230}		
	100		1/100		15	18	52.9	{5.4}	44.1	{4.5}	2548	{260}		
	120		1/120		12.5	15	63.7	{6.5}	52.9	{5.4}	2793	{285}		
	160		1/160		9.4	11.3	84.3	{8.6}	70.6	{7.2}	3332	{340}		
	200		1/200		7.5	9	106	{10.8}	88.2	{9.0}	3332	{340}		
	300		1/300		5	6	129	{13.2}	108	{11.0}	3332	{340}		3
	360		1/360		4.2	5	156	{15.9}	129	{13.2}	3332	{340}		
	480		1/480	4	3.1	3.8	*169	*{17.2}	*169	*{17.2}	3332	{340}	4	
	600		1/600		2.5	3	260	{26.5}	217	{22.1}	4410	{450}		
	720		1/720		2.1	2.5	312	{31.8}	260	{26.5}	4410	{450}		
	960		1/960		1.6	1.9	*374	*{38.2}	346	{35.3}	4410	{450}		
	1200		1/1200		1.3	1.5	*374	*{38.2}	*374	*{38.2}	4410	{450}		

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.

Motor of brake-equipped model

