

Specification Chart

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Model number		4P motor capacity equivalence kW	Actual reduction ratio	Number of reduction steps	Output shaft revolution r/min		Allowable output shaft torque				Allowable output shaft O.H.L.		Allowable output shaft O.H.L.		Page and drawing number of outline dimensions		
							N·m		{kgf·m}		N·m	{kgf·m}	N	{kgf}	N	{kgf}	Hollow shaft
					L·U·H	50Hz	60Hz	50Hz:1500r/min	60Hz:1800r/min	N	{kgf}	N	{kgf}				
HRTA 010	5	0.1 kW	1/5	2	300	360	2.7	{0.28}	2.4	{0.24}	96.0	{9.8}	588	{60}	99 100 1	103 104 1	107 108 1
	10		1/10		150	180	5.6	{0.57}	4.6	{0.47}			980	{100}			
	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	3	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		25	30	31.4	{3.2}	26.5	{2.7}			2009	{205}			
	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}			
HRTA 020	5	0.2 kW	1/5	2	300	360	5.6	{0.57}	4.6	{0.47}	147	{15}	588	{60}	99 100 2	103 104 2	107 108 2
	10		1/10		150	180	10.8	{1.1}	9.3	{0.95}			980	{100}			
	15		1/15		100	120	16.7	{1.7}	13.7	{1.4}			1078	{110}			
	20		1/20		75	90	22.5	{2.3}	18.6	{1.9}			1176	{120}			
	25		1/25		60	72	27.4	{2.8}	23.5	{2.4}			1274	{130}			
	30		1/30		50	60	33.3	{3.4}	27.4	{2.8}			1421	{145}			
	40		1/40	3	37.5	45	44.1	{4.5}	37.2	{3.8}			1617	{165}			
	50		1/50		30	36	55.9	{5.7}	46.1	{4.7}			1862	{190}			
	60		1/60		25	30	66.6	{6.8}	54.9	{5.6}			2009	{205}			
	80		1/80		18.8	22.5	84.3	{8.6}	70.6	{7.2}			2254	{230}			
	100		1/100		15	18	106	{10.8}	88.2	{9.0}			2548	{260}			
	120		1/120		12.5	15	126	{12.9}	106	{10.8}			2793	{285}			
	160		1/160		9.4	11.3	169	{17.2}	140	{14.3}			3332	{340}			
	200		1/200		7.5	9	* 169	{17.2}	* 169	{17.2}			3332	{340}			
HRTA 040	5	0.4 kW	1/5	2	300	360	10.8	{1.1}	9.3	{0.95}	235	{24}	931	{95}	99 100 3	103 104 3	109 110 1
	10		1/10		150	180	22.5	{2.3}	18.6	{1.9}			1568	{160}			
	15		1/15		100	120	33.3	{3.4}	27.4	{2.8}			1715	{175}			
	20		1/20		75	90	44.1	{4.5}	37.2	{3.8}			1862	{190}			
	25		1/25		60	72	55.9	{5.7}	46.1	{4.7}			2009	{205}			
	30		1/30		50	60	66.6	{6.8}	55.9	{5.7}			2205	{225}			
	40		1/40	3	37.5	45	84.3	{8.6}	70.6	{7.2}			2450	{250}			
	50		1/50		30	36	106	{10.8}	88.2	{9.0}			2793	{285}			
	60		1/60		25	30	126	{12.9}	106	{10.8}			3038	{310}			
	80		1/80		18.8	22.5	169	{17.2}	141	{14.4}			3479	{355}			
	100		1/100		15	18	212	{21.6}	176	{18.0}			3920	{400}			
	120		1/120		12.5	15	254	{25.9}	212	{21.6}			4410	{450}			
	160		1/160		9.4	11.3	338	{34.5}	281	{28.7}			4410	{450}			
	200		1/200		7.5	9	* 374	{38.2}	312	{31.8}			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.

Note 3: For output shaft arrangement "T" where torque is applied to both shafts, the sum of both torques should be equal to or less than the value shown in the table above. In addition, the O.H.L. on one shaft should be equal to or less than 1/2 of the value shown in the table above.

Note 4: For output shaft arrangement "T", the right and left output shaft keyways are not aligned precisely.

Note 5: The models marked with * are ones for which torque is limited.