

Specification Chart

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Model number		4P motor capacity equivalence kW	Frame number	Nominal reduction ratio	Actual reduction ratio	Number of reduction steps	Allowable output shaft torque				Allowable O.H.L.		Allowable output shaft O.H.L.		Page and drawing number of outline dimensions	
							N·m		{kgf·m}		Inline type input shaft					
							50Hz : 1500r/min		60Hz : 1800r/min		N		{kgf}		N	
GRTA010	5	0.1 kW	18	1/5	1/ 4.932 (5.031)	2	2.8	{0.29}	2.4	{0.24}	96.0	{9.8}	274	{ 28}	37- 1	42- 1
	10			1/10	1/ 9.953 (9.779)		5.7	{0.58}	4.8	{0.49}			431	{ 44}		
	15			1/15	1/ 15.027 (14.800)		8.6	{0.88}	7.2	{0.73}			568	{ 58}		
	20			1/20	1/ 20.417 (19.821)		11.8	{ 1.2}	9.5	{0.97}			686	{ 70}		
	25			1/25	1/ 25.461 (24.843)		14.7	{ 1.5}	11.8	{ 1.2}			804	{ 82}		
	30			1/30	1/ 29.944		17.6	{ 1.8}	14.7	{ 1.5}			902	{ 92}		
	40		24	1/40	1/ 40.153	3	22.5	{ 2.3}	19.6	{ 2.0}			1098	{ 112}	37- 2	42- 2
	50			1/50	1/ 49.817		28.4	{ 2.9}	23.5	{ 2.4}			1264	{ 129}		
	60			1/60	1/ 57.829		34.3	{ 3.5}	28.4	{ 2.9}			1431	{ 146}		
	75			1/75	1/ 75.252		43.1	{ 4.4}	36.3	{ 3.7}			1666	{ 170}		
	100			1/100	1/ 99.644		56.8	{ 5.8}	48.0	{ 4.9}			2009	{ 205}		
	120			1/120	1/122.160		68.6	{ 7.0}	56.8	{ 5.8}			2274	{ 232}		
	165			1/165	1/172.821		94.1	{ 9.6}	78.4	{ 8.0}			2813	{ 287}		
	200			1/200	1/197.213		115	{11.7}	95.1	{ 9.7}			3195	{ 326}		
GRTA020	5	0.2 kW	18	1/5	1/ 5.023 (5.031)	2	5.7	{0.58}	4.7	{0.48}	147	{15}	431	{ 44}	38- 1	43- 1
	10			1/10	1/ 10.066 (9.779)		11.8	{ 1.2}	9.5	{0.97}			686	{ 70}		
	15			1/15	1/ 15.079 (14.800)		17.6	{ 1.8}	14.7	{ 1.5}			902	{ 92}		
	20			1/20	1/ 20.118 (19.821)		22.5	{ 2.3}	19.6	{ 2.0}			1098	{ 112}		
	25			1/25	1/ 25.333 (24.843)		28.4	{ 2.9}	23.5	{ 2.4}			1264	{ 129}		
	30			1/30	1/ 29.571 (29.464)		34.3	{ 3.5}	28.4	{ 2.9}			1431	{ 146}		
	40		24	1/40	1/ 39.030	3	46.1	{ 4.7}	38.2	{ 3.9}			1735	{ 177}	38- 2	43- 2
	50			1/50	1/ 49.407		56.8	{ 5.8}	48.0	{ 4.9}			2009	{ 205}		
	60			1/60	1/ 59.417		68.6	{ 7.0}	56.8	{ 5.8}			2274	{ 232}		
	75			1/75	1/ 72.286		86.2	{ 8.8}	71.5	{ 7.3}			2636	{ 269}		
	100			1/100	1/ 97.785		115	{11.7}	95.1	{ 9.7}			3195	{ 326}		
	120			1/120	1/120.653		137	{14.0}	115	{11.7}			3606	{ 368}		
	165			1/165	1/160.136		189	{19.3}	158	{16.1}			4459	{ 455}		
	200			1/200	1/194.775		218	{22.2}	181	{18.5}			4822	{ 492}		
GRTA040	5	0.4 kW	24	1/5	1/ 4.950		2	12.1	{ 1.23}	10.0	{ 1.02}	235	{24}	686	{ 70}	39- 1
	10			1/10	1/ 10.313	24.5		{ 2.5}	20.6	{ 2.1}	1098			{ 112}		
	15			1/15	1/ 15.125	36.3		{ 3.7}	30.4	{ 3.1}	1431			{ 146}		
	20			1/20	1/ 19.388	48.0		{ 4.9}	40.2	{ 4.1}	1735			{ 177}		
	25			1/25	1/ 24.750	60.8		{ 6.2}	50.0	{ 5.1}	2009			{ 205}		
	30			1/30	1/ 30.875	72.5		{ 7.4}	60.8	{ 6.2}	2274			{ 232}		
	40		28	1/40	1/ 40.519	3	94.1	{ 9.6}	78.4	{ 8.0}	2754			{ 281}	39- 2	44- 2
	50			1/50	1/ 50.909		118	{ 12.0}	98.0	{ 10.0}	3195			{ 326}		
	60			1/60	1/ 60.000		140	{ 14.3}	118	{ 12.0}	3606			{ 368}		
	75			1/75	1/ 73.247		175	{ 17.9}	146	{ 14.9}	4185			{ 427}		
	100			1/100	1/101.544		234	{ 23.9}	195	{ 19.9}	5076			{ 518}		
	120			1/120	1/117.113		281	{ 28.7}	234	{ 23.9}	5733			{ 585}		
	165			1/165	1/160.705		364	{ 37.1}	303	{ 30.9}	6664			{ 680}		
	200			1/200	1/192.560		389	{ 39.7}	324	{ 33.1}	6684			{ 682}		

Note: The actual reduction ratios of the three-phase-motor-type gear motors and CB gear motors are shown in parentheses.