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Racing Electric Instrument

Racing Electric Instrument is a Taiwan Company with over 20 years expertise in motor and resolver designing starting with magnetic design to manufacturing. They have been also providing worldwide motor manufacturers with frameless kit motors.

Resolvers

Besides below frameless – bare types resolvers, REI can offer resolvers with sleeves and flanges as a housed assembly.

PRODUCT CODE	"Ø A" mm	"Ø B" mm	"Ø C" mm	SPEED	FUNCTION	PRIMARY WINDING	INPUT-VRMS	FREQ. Hz	ACCURACY	ACCURACY (optional)
RHP-7018	70.00	42.32	18.00	1	RX	R	26	400	6'	3'
RHP-9614Y	96.01	69.60	14.20	1	RX	R	26	2000	6'	3'
RHP-12619Y	126.80	87.76	19.05	1	RX	R	26	2000	6'	3'
RHP-220021	209.53	158.24	21.60	1/32	RX	R	26	400	20'/20"	
RHP-220021A	209.53	158.24	21.60	1	RX	R	26	400	6'	

Torque Motors

PRODUCT CODE	"Ø A" mm	"Ø B" mm	"Ø C" mm	PEAK TORQUE Oz-in	VOLTAGE V	CURRENT AT PEAK TORQUE Amp	KT Oz-in/A	KE V/Rad/S	RESISTANCE Ω	INDUCTANCE mH
RTM-9220M	92.08	63.50	20.43	280.00	28.00	7.00	40.000	0.283	4.00	2.70
RTM-9443	41.65	41.65	39.37	575.00	29.30	7.32	78.600	0.555	4.00	6.40
RTM-8531	85.00	38.00	31.66	564.80	28.00	4.24	86.600	0.612	6.60	14.00
RTM-9432	94.74	41.65	32.66	460.70	28.00	5.21	92.160	0.650	5.37	5.00
RTM-11417	114.30	67.92	17.45	2.40	31.20	6.00	76.140	0.540	5.20	3.00
RTM-156030	155.58	114.30	29.75	960.00	28.00	6.15	155.840	1.110	4.55	3.60
RTM-18018	179.37	136.65	23.60	741.00	31.80	3.31	223.000	1.579	9.60	3.04
RTM-208028	208.28	150.80	27.45	1728.00	28.00	15.78	109.440	0.773	1.77	2.90

Rotary Actuators

MODEL	"Ø A" mm	"Ø B" mm	"Ø C" mm	STROKE Travel, Electrical (deg)	STROKE Travel, Mechanical (deg)	PEAK TORQUE (In-lb)	NO LOAD SPEED (deg/sec)	VOLTAGE (V)	PEAK CURRENT (Amp)	BACKLASH (deg)
RA-150R	68.05	23.00	104	±45	±50	45	225	18~32	2	0.5
RA-105M	68.50	22.86	104	1620	-	45	990	18~32	2	0.5
RA-132	68.50	24.10	132	45	50	90	140	18~32	2	0.5
RA-140Y	120.00	58.00	133	±29	36	200	150	24~32	7	0.5
RA-900	140.00	70.00	195.00	±45	±50	900	150	28	18	0.5