



# 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.

[www.racing.com.tw](http://www.racing.com.tw)

## 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, Elec- trical (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