



Typical Motor Performances

MODEL	SIZE		OPERATING RANGE	TYPICAL CHARACTERISTICS										STALL TORQUE	
	HOUSING DIAMETER	HOUSING LENGTH		WINDING	NOMINAL VOLTAGE	NO LOAD		AT MAXIMUM EFFICIENCY					STALL TORQUE		
						SPEED	CURRENT	SPEED	CURRENT	TORQUE	OUTPUT	EFF	oz-in	g-cm	
m/m	m/m	V	V	rpm	A	rpm	A	oz-in	g-cm	W	%	oz-in	g-cm		
FK-290PY	17.9 × φ21.2	42.5	DC90.0~120.0	051100	100.0	6150	0.005	4910	0.02	0.294	21.2	1.068	54.1	1.458	105
FS-390SH	24.5 × φ28.7	43.4	4.5~16.0	3563	12	13900	0.39	12110	2.65	2.40	173	21.5	67.7	18.8	1350
FS-390PH	24.5 × φ28.7	43.4	4.5~16.0	3563	12	13000	0.39	11330	2.65	2.58	186	21.6	68.0	20.1	1450
FS-395SH	24.5 × φ28.7	43.4	6.0~24.0	2465	12	7300	0.14	6220	0.81	1.39	100	6.42	66.3	9.44	680
FS-395PH	24.5 × φ28.7	43.4	6.0~24.0	2465	12	6900	0.14	5880	0.81	1.49	107	6.51	67.2	10.14	730
RS-360RH	φ27.7	32.6	3.0~30.0	24110	6.0	10700	0.25	8560	1.0	0.489	35.2	3.09	51.5	2.44	176
RS-360SH	φ27.7	32.6	3.0~30.0	24110	6.0	8000	0.23	6580	1.07	0.751	54.1	3.65	57.0	4.24	305
RS-365RH	φ27.7	32.6	4.0~30.0	2080	12.0	17400	0.25	13900	0.975	0.653	47.0	6.67	57.0	3.19	230
RS-365SH	φ27.7	32.6	4.0~30.0	2080	18.0	19400	0.22	16060	1.06	1.00	72.2	11.9	62.4	5.83	420
RS-380SH	φ27.7	37.8	3.0~30.0	10500	24.0	4800	0.035	3860	0.144	0.681	49.0	1.94	56.2	3.47	250
RS-380PH	φ27.7	37.8	2.4~30.0	4045	7.2	16400	0.53	14150	3.34	1.66	119.3	17.3	72.1	12.1	870
RS-385SH	φ27.7	37.8	3.0~30.0	2270	20.0	16400	0.175	14040	1.04	1.34	96.4	13.9	66.6	9.31	670
RS-385PH	φ27.7	37.8	6.0~30.0	2465	12.0	9800	0.195	8180	0.99	1.31	94.0	7.89	66.6	7.92	570
RS-540RH	φ35.8	50.0	3.0~15.0	7522	4.8	19000	1.90	15900	9.75	2.45	176.2	28.7	61.4	15.0	1080
RS-540SH	φ35.8	50.0	3.0~24.0	7522	4.8	13100	1.4	11530	10.25	4.01	288.5	34.1	69.3	33.3	2400
RS-545RH	φ35.8	50.0	6.0~30.0	4032	12.0	19400	0.7	16250	3.61	2.37	170.6	28.4	65.7	14.6	1050
RS-545SH	φ35.8	50.0	3.0~30.0	2485	24.0	10000	0.22	8450	1.2	3.24	233.1	20.2	70.4	20.8	1500
RS-550SH/SF	φ35.8	57.0	3.0~30.0	7522	7.2	14500	1.6	12550	10.28	5.43	390.7	50.28	68.0	40.3	2900
RS-550PH/PF	φ35.8	57.0	3.0~15.0	6534	12.0	16000	1.0	14170	7.75	6.99	503.1	73.1	78.7	61.1	4400
RS-555SH/SF	φ35.8	57.0	4.5~30.0	2670	24.0	9100	0.21	7810	1.27	3.94	283.5	22.7	74.4	27.8	2000
RS-750SH/SF	φ42.2	60.0	3.0~20.0	8027	9.6	18600	1.95	15960	11.8	7.21	518.9	84.9	75.2	50.7	3650
RS-755SH/SF	φ42.2	60.0	3.0~30.0	4540	12.0	8200	0.6	6990	3.46	5.84	420.8	30.2	72.6	39.6	2850
RS-775SH/SF	φ42.2	67.0	4.5~30.0	7513	12.0	18800	2.0	16160	12.3	9.36	673.8	111.7	76.0	66.7	4800
RS-775VF	φ42.2	67.0	6.0~15.0	8509	9.6	18400	4.0	15400	20.5	12.5	898	142	72.1	76.4	5500
RT-553SA	φ35.7	57.0	DC90.0~120.0	11110	100.0	10500	0.065	8700	0.314	3.21	231.3	20.6	65.7	18.75	1350

MODEL	SIZE		RATED VOLTAGE	OPERATING VOLTAGE	RATED LOAD	RATED SPEED	RATED LOAD CURRENT	LOAD FLUCTUATION	STARTING TORQUE	**DRIFT %	MIN LIFE	DIRECTION OF ROTATION
	HOUSING DIAMETER	HOUSING LENGTH										
	m/m	m/m	V	V	g-cm	rpm	mA(TYP)	rpm/g-cm(TYP)	g-cm(MIN)			
EG-530AD-6F(6B)	φ35.0	25.0	6.0	4.2~7.5	8.0	2400±2%	132	9.0	38 at 4.2V	0.4	1000 HOURS	CW(CCW)
EG-530AD-7F(7B)			7.5	5.0~9.0	8.0	2400±2%	115	9.0	45 at 5.0V	0.4		
EG-530AD-9F(9B)			9.0	6.0~11.0	8.0	2400±2%	92	9.0	50 at 6.0V	0.5	15000 CYCLES	
EG-530AD-2F(2B)			12.0	8.4~15.0	8.0	2400±2%	73	9.0	60 at 8.4V	0.6		3 MINUTES ON
EG-530ED-3F(3B)			13.2	10.0~16.0	10.0	2400±2%	71	5.0	70 at 10.0V	0.7	1 MINUTE OFF	CW(CCW)
EG-530KD-9B(9F)	φ35.0	25.0	9.0	6.3~11.7	10	1600	101	5.0	40	0.6	1000HOURS SH ON/H OFF 15000CYCLES 3M ON/M OFF	CCW(CW)
EG-530KD-2B(2F)						3200	110	7.0		0.3	1000HOURS SH ON/H OFF	
EG-530KD-2B(2F)			12.0	8.4~15.6	10	1600	78	5.0	50	0.6	1500HOURS SH ON/H OFF 15000CYCLES 3M ON/M OFF	CCW(CW)
EG-530KD-2B(2F)	3200	86				7.0	0.3	1000HOURS SH ON/H OFF				
EG-530YD-9B(9F)	φ35.0	25.0	9.0	6.3~11.7	10	2000	116	1.5	50	0.4	1000HOURS SH ON/H OFF 10000CYCLES 3M ON/M OFF	CCW(CW)
EG-530YD-2B(2F)						4000	128	4.0		0.7	1000HOURS SH ON/H OFF	
EG-530YD-2B(2F)			12.0	8.4~15.6	10	2000	86	1.5	55	0.4	1500HOURS SH ON/H OFF 15000CYCLES 3M ON/M OFF	CCW(CW)
EG-530YD-2B(2F)	4000	94				4.0	0.7	1000HOURS SH ON/H OFF				

• Synchronous Motor

*For Car Cassette Tape Players. **DRIFT = $\frac{N_{MAX} - N_{MIN}}{N_{15sec}} \times 100$ (%). 15sec~30minutes. RATED VOLTAGE. RATED LOAD

MODEL	SIZE	VOLTAGE	FREQUENCY	WINDING	SPEED	CURRENT	INPUT	PULLOUT TORQUE		WEIGHT
	m/m	AC. V	HZ		rpm	A	W	oz-in	g-cm	g(APPROX)
CO-241PA	27.3 × 44.5 × 32.8	120	60	161300	3600	0.17	19.5	3.89	280	130