

VAL-CO - RAYDOT MOTOR SPECIFICATIONS											
VAL-CO PART #	HORSEPOWER	SERVICE FACTOR	FREQ. (Hz)	VOLTAGE	PHASE	ENCLOSURE	POLES	RPM	SHAFT ROTATION	MOUNTING (FRAME)	
M774	1.50	1.15	50	210/400	1	TOTALLY ENCLOSED AIR OVER	4	1425	CW OR CCW	FR56 RIGID	
M765	1.50	1.00	60	230/460	3	TOTALLY ENCLOSED AIR OVER	4	1725	CW OR CCW	FR56 RIGID	
M742	1.50	1.00	60	115/230	1	TOTALLY ENCLOSED AIR OVER	4	1725	CW OR CCW	FR56H RIGID	
M760	1.00	1.15	60	230/460	3	TOTALLY ENCLOSED AIR OVER	4	1725	CW OR CCW	FR56 RIGID	
M760	1.00	1.15	50	210/380	3	TOTALLY ENCLOSED AIR OVER	4	1425	CW OR CCW	FR56 RIGID	
M734	1.00	1.40	60	115/230	1	TOTALLY ENCLOSED AIR OVER	4	1725	CW OR CCW	FR56 RIGID	
M734	1.00	1.40	50	230	1	TOTALLY ENCLOSED AIR OVER	4	1425	CW OR CCW	FR56 RIGID	
M775	0.50	1.15	50	210/400	1	TOTALLY ENCLOSED AIR OVER	6	950	CCW	FR56 RIGID	
M772	0.50	1.00	60	230/460	3	TOTALLY ENCLOSED AIR OVER	8	825	CCW	FR48Y RIGID	
M771	0.50	1.00	60	115/230	1	TOTALLY ENCLOSED AIR OVER	8	825	CCW	FR48Y RIGID	
M770	0.50	1.00	60	230/460	3	TOTALLY ENCLOSED AIR OVER	8	825	CCW	FR42Y (YOKE MT)	
M769	0.50	1.00	60	115/230	1	TOTALLY ENCLOSED AIR OVER	8	825	CCW	FR42Y (YOKE MT)	
M768	0.50	1.00	60	115/230	1	TOTALLY ENCLOSED AIR OVER	4	1725	CCW	FR42Y (YOKE MT)	
M755	0.50	1.00	60	230/460	3	TOTALLY ENCLOSED AIR OVER	8	850	CW OR CCW	FR56 RIGID	
M729	0.50	1.00	60	115/230	1	TOTALLY ENCLOSED AIR OVER	4	1715	CW OR CCW	FR48Z RIGID	
M728	0.50	1.00	60	230	1	TOTALLY ENCLOSED AIR OVER	8	850	CCW	FR56Z RIGID	
M722	0.50	1.00	50	400/200-230	3	TOTALLY ENCLOSED AIR OVER	6	950	CCW	FR56 RIGID	
M721	0.50	1.00	60	230	1	TOTALLY ENCLOSED AIR OVER	6	1100	CCW	FR56Y RIGID	
M719	0.50	1.00	60	230	1	TOTALLY ENCLOSED AIR OVER	4	1725	CCW	FR56Y RIGID	
M770	0.33	1.00	50	190/380	3	TOTALLY ENCLOSED AIR OVER	8	715	CCW	FR42Y (YOKE MT)	
M767	0.33	1.00	60	115/230	1	TOTALLY ENCLOSED AIR OVER	4	1725	CCW	FR42Y (YOKE MT)	
M718	0.33	1.00	60	115/230	1	TOTALLY ENCLOSED AIR OVER	6	1130	CCW	FR48Z RIGID	
M714	0.25	1.00	60	230	1	TOTALLY ENCLOSED AIR OVER	4	1625	CCW	FR48Z RIGID	
M710	0.25	1.00	60	230	1	TOTALLY ENCLOSED AIR OVER	2	3400	CCW	RIGID, 2.25" to SHFT	
M713	0.17	1.00	60	230	1	TOTALLY ENCLOSED AIR OVER	2	3400	CCW	RIGID, 2.25" to SHFT	
M766	0.10	1.00	60	115/230	1	TOTALLY ENCLOSED AIR OVER	4	1725	CCW	FR42Y (YOKE MT)	
M712	0.07	1.00	60	230	1	TOTALLY ENCLOSED AIR OVER	2	3400	CCW	RIGID, 2.25" to SHFT	

(CONTINUED)								
VAL-CO PART #	POSITION	BEARING TYPE	OVERLOAD PROTECTION	INSULATION CLASS	SHAFT (SINGLE OR DOUBLE)	CAPACITOR(S)	SHAFT LENGTH (IN)	SHAFT NOM. DIA. (IN)
M774	ANY	BALL	AUTOMATIC	B	SINGLE	START/RUN	2.000	0.625
M765	ANY	BALL	AUTOMATIC	B	SINGLE	NONE	2.000	0.625
M742	ANY	BALL	AUTOMATIC	F1	SINGLE	START/RUN	2.000	0.625
M760	ANY	BALL	AUTOMATIC	B	SINGLE	NONE	2.000	0.625
M760	ANY	BALL	AUTOMATIC	B	SINGLE	NONE	2.000	0.625
M734	ANY	BALL	AUTOMATIC	B	SINGLE	START/RUN	2.000	0.625
M734	ANY	BALL	AUTOMATIC	B	SINGLE	START/RUN	2.000	0.625
M775	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.000	0.625
M772	ANY	BALL	AUTOMATIC	B	SINGLE	NONE	2.500	0.625
M771	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.500	0.625
M770	ANY	BALL	AUTOMATIC	B	SINGLE	NONE	2.630	0.625
M769	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.630	0.625
M768	ANY	BALL	AUTOMATIC	F	SINGLE	PSC	2.550	0.500
M755	ANY	BALL	AUTOMATIC	F	SINGLE	NONE	2.500	0.625
M729	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.500	0.500
M728	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.500	0.625
M722	ANY	BALL	AUTOMATIC	F	SINGLE	NONE	2.250	0.625
M721	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.000	0.625
M719	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.000	0.500
M770	ANY	BALL	AUTOMATIC	B	SINGLE	NONE	2.630	0.625
M767	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.550	0.500
M718	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.400	0.500
M714	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.500	0.500
M710	ANY	BALL	AUTOMATIC	B	SINGLE	EXT. 7.5uF	1.500	0.500
M713	ANY	BALL	AUTOMATIC	B	SINGLE	EXT. 7.5uF	1.500	0.500
M766	ANY	BALL	AUTOMATIC	B	SINGLE	PSC	2.710	0.500
M712	ANY	BALL	AUTOMATIC	B	SINGLE	EXT. 3uF	1.500	0.500

(CONTINUED)										
VAL-CO PART #	SHAFT KEY (IN)	SPEED CONTROLABLE	TIME RATING	EFFIC. % (FL)	P. FACTOR % (FL)	MANUFACTURER	MFR MODEL	ALT MFR	ALT MFR MODEL	2005 USAGE
M774	0.188	NO	CONTINUOUS					A.O. SMITH	C686	0
M765	0.188	NO	CONTINUOUS	80.6	83.9	G.E.	5K49PN4430X			0
M742	0.188	NO	CONTINUOUS	77.2	86.4	G.E.	5KCR48WN0608X	GE	5KCR48WN0587X	31
M760	0.188	NO	CONTINUOUS	85.6	85.7	G.E.	5K49PN4442			528
M760	0.188	NO	CONTINUOUS	75.4	85.3	G.E.	5K49PN4442			
M734	0.188	NO	CONTINUOUS	82.4	86.2	A.O. SMITH	0242921A			1393
M734	0.188	NO	CONTINUOUS			A.O. SMITH	0242921A			
M775	0.188	YES	CONTINUOUS							0
M772	0.188	NO	CONTINUOUS			A.O. SMITH	0441252A			56
M771	0.188	YES	CONTINUOUS			A.O. SMITH	HF4W027N			0
M770	0.188	NO	CONTINUOUS			A.O. SMITH	HM4W7010K			0
M769	0.188	YES	CONTINUOUS	62.4		A.O. SMITH	HF4W7026			0
M768	2 FLATS @ 90°	YES	CONTINUOUS	69.0	93.3	A.O. SMITH	HF2K039			116
M755	0.188	NO	CONTINUOUS	67.0		A.O. SMITH	0340857B			0
M729	2 FLATS @ 90°	YES	CONTINUOUS	70.8	91.8	EMERSON	K055HTP8881			152
M728	0.188	YES	CONTINUOUS	68.6	99.2	A.O. SMITH	8-184738PP			1216
M722	0.188	NO	CONTINUOUS			A.O. SMITH	0344398B			0
M721	0.188	YES	CONTINUOUS	73.9	96.6	A.O. SMITH	XE2027			864
M719	1 FLAT	YES	CONTINUOUS	79.1	95.9	A.O. SMITH	8-181619-01			601
M770	0.188	NO	CONTINUOUS			A.O. SMITH	HM4W7010K			0
M767	2 FLATS @ 90°	YES	CONTINUOUS	60.9	99.8	A.O. SMITH	HF2H7109			157
M718	2 FLATS @ 90°	YES	CONTINUOUS			A.O. SMITH	C046			36
M714	2 FLATS @ 90°	YES	CONTINUOUS	72.9	98.9	A.O. SMITH	HF2F028N			458
M710	2 FLATS @ 90°	YES	CONTINUOUS			EMERSON	K37HXBCL-443			79
M713	2 FLATS @ 90°	YES	CONTINUOUS			EMERSON	K37HXBBC-413			140
M766	2 FLATS @ 90°	YES	CONTINUOUS	45.0	79.9	A.O. SMITH	DF2D7017			95
M712	2 FLATS @ 90°	YES	CONTINUOUS			EMERSON	K37HXBBC-416			0