

Regal AC Motor Selection – Marathon® & Leeson® 1-phase Motors



marathon®
Motors

Regal 1-phase Motor Selection					
Series	SST Duck	White Duck	JetPump	General Purpose	Fan & Blower
Electrical Characteristics					
Brand	Leeson®	Leeson®	Marathon	Marathon	Marathon
Horsepower range	1/3 – 1	1/3 – 1	1/3 – 2	1/4 – 10	1/4 – 2
Base speed (# poles)	1800 (4)	1800 (4) / 3600 (2)	3600 (2)	1800 (4) / 3600 (2)	1800 (4) / 3600 (2)
Standard voltage	115 / 230	115/208-230	115 / 230	115 / 230, 208 / 230, 115 / 208 – 230 100 –120 / 200 – 240, 120 / 140 & 100 – 120 / 200 – 240	115 / 230 (G1115), 115 / 208 – 230
Phase / Base frequency (Hz)	1 / 60				
Service factor	1.15	1.15	1.0 / 1.15	1.15 / 1.35	1.15 / 1.2 / 1.25 / 1.35
Design code (NEMA)	N	N	N/A***	B, L, N, O	E, L, N
Insulation class	F	F	B	B, B3, F4	B, B3
Insulation system	IRIS	IRIS	N/A***	N/A***	N/A***
Duty cycle	Continuous				
Thermal protection	None	None	Automatic Reset	Automatic / Manual / None	Automatic / Manual / None (C235)
Mechanical Characteristics					
Frame size (mounting)	56C	56 - 56C	56J	48 – 215T	48 – 56 – 56H
Enclosure	TEFC	TEFC	TEFC	DP	DP
Frame material	300 Series Stainless Steel	White Epoxy Steel	Rolled Steel	Rolled Steel	Rolled Steel
End bracket material	300 Series Stainless Steel	White Epoxy Steel	Cast Aluminum, Steel	Cast Aluminum	Cast Aluminum
Conduit box material	300 Series Stainless Steel	White Epoxy/Stainless Cover	Steel	Steel	N/A***
Fan guard material	300 Series Stainless Steel	White Polypropylene	Steel	N/A***	N/A***
Fan material	Polypropylene	Composite	Plastic	N/A***	N/A***
Lead termination	Conduit box	Conduit box	Conduit box Flying Leads (Jxxx Models) .33HP to 3HP	Conduit box	NPS Hole
Standard mounting	C-Face with Rigid Base	C-Face with Rigid Base & C-face	Footless	Rigid Base	Resilient Base
Drive end shaft slinger	No	No	Yes	No	No
Paint	N/A	White Epoxy	Gray powder-coat	Gray powder-coat Blue enamel	Black powder-coat
Bearings	Double Sealed			Ball Bearings	Ball Bearings
Grease	Exxon Polyrex EM				
Standard conduit box assembly position	F1	F1	F1	F1	F1 (NPS Hole)
Performance Characteristics					
Temperature rise	N/A***				
Encoder provisions	No				
Other Characteristics					
Warranty *	12 months from Installation. 18 months from Purchase.				
Agency listings **	UL Recognized, CSA Certified, and CE Mark				

* See Terms and Conditions for motor warranty explanation.

Marathon warranty service can be arranged through Rexnord Regal service centers. See list of service centers on our website at www.automationdirect.com.

** To obtain the most current agency approval information, see the Agency Approval Checklist on the specific part number's web page.

*** Data not available from manufacturer.