



Single Phase

NEMA

MOTOR MODEL:	RD1-RS-TF-56-4-B-C-.5
FACTORY TYPE:	SLF

NEMA Rolled Steel, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	0.5	-
Speed, RPM	1725	-
Voltage	115/208-230	-
# Phase	1	-
Full Load Amps	5.2/2.9-2.6	-
Power Factor	0.9	-
Nominal Efficiency	70.0	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	K	-
FL Amps. @ 208 V	2.9	-
Locked Rotor Current	17.4724	-
Start Capacitor	250	-
Start Capacitor V	125	-
Run Capacitor	40	-
Run Capacitor V	250	-
Number of Leads	7	-
Connection	-	-
Coil Resistance	-	-
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	45.0	-
3D Image Link		
RD1-RS-TF-56-4-B-C-.5		

GENERAL DATA				
Frame Size	56			
Frame Enclosure	TEFC			
Mounting	Rigid			
Insulation Class	F			
Duty	Cont. / S1			
NEMA Design	L			
Frame Material	Rolled Steel			
Ingress Protection	54			
Tropicalization	-			
Cable Entry	0.88"			
Feet Removable	-			
Double Drilled	-			
Paint Color	Graphite Gray			
Paint RAL	7024			
Weight lb	27.0			
MECHANICAL DATA				
DE Bearing	6203-2RZ			
NDE Bearing	6202-2RZ			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavey washer)	NDE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	5.56092		366.0	
Pull-Up Torque	4.29984		283.0	
Breakdown Torque	4.8924		322.0	
Full Load Torque	1.51938		100.0	
SITE CONDITIONS				
Ambient Temp °C	40			
Altitude Above Sea Level m	1000			



Single Phase

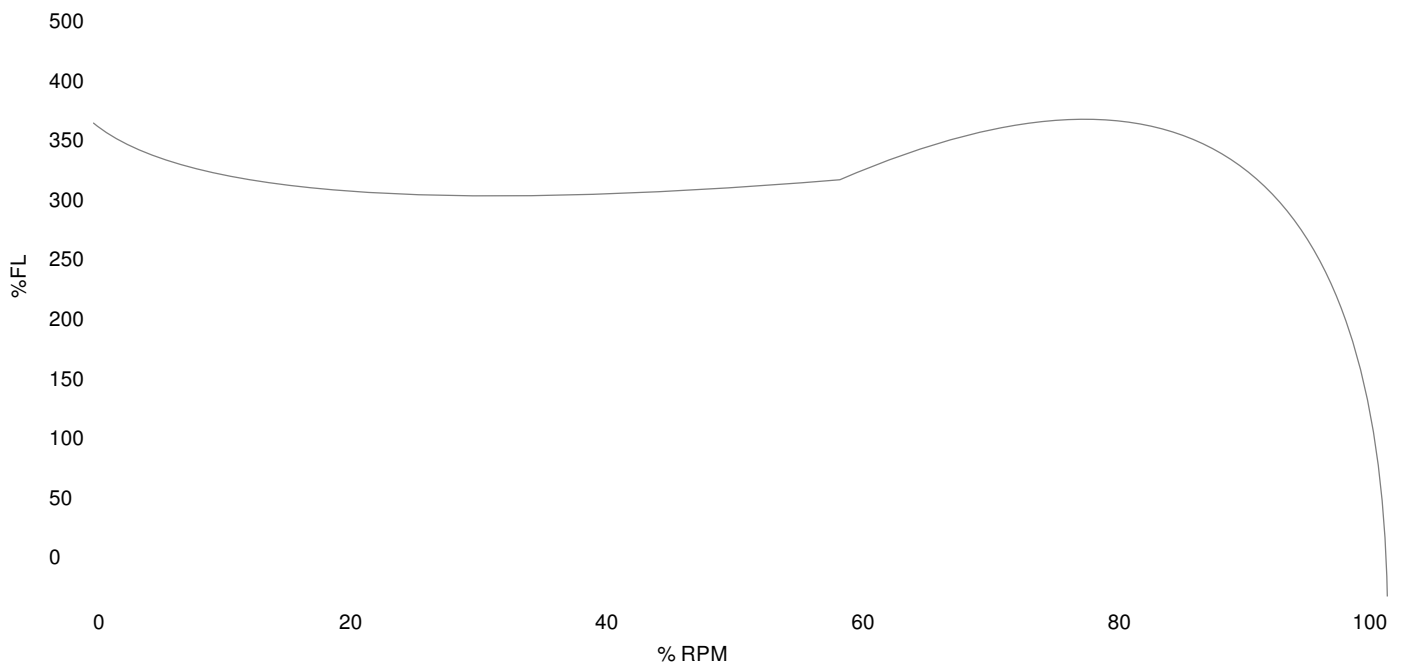
MOTOR MODEL:	RD1-RS-TF-56-4-B-C-.5
FACTORY TYPE:	SLF

NEMA

NEMA Rolled Steel, TEFC

Non Sinusoidal (VFD) Output 0.5HP, 1725 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	5.56092	366.0	Start Configuration
Pull-Up Torque	4.29984	283.0	Starting Current (A)
Breakdown Torque	4.8924	322.0	No-Load Current (A)
Full Load	1.51938	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.0	-	-	-	-
25	-	-	-	-	-	-
50	-	-	-	-	-	-
75	-	-	-	-	-	-
100	-	-	-	-	-	-
125	-	-	-	-	-	-

Techtop Industries
 2815 Colonnades Court
 Peachtree Corners, GA 30071
 Tel: 678-436-5540
 E-Mail: info@techttopind.com