



Single Phase

**NEMA**

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

**NEMA Rolled Steel, TEFC**

<b>ELECTRICAL DATA</b>		
	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	-	-
Date Code	-	-
<b>Load</b>	<b>Efficiency %</b>	<b>P.F.</b>
50%	-	-
75%	-	-
100%	-	-
<b>FULL LOAD TEMPERATURE RISE</b>		
FL Temp Rise °C	45.0	-
<b>3D Image Link</b>		
<a href="#">RD1-RS-TF-56-4-B-C-.5</a>		

<b>GENERAL DATA</b>		
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	
<b>MECHANICAL DATA</b>		
DE Bearing	6203-2RZ	
NDE Bearing	6202-2RZ	
dB No-Load	-	
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-	
Comp Ring (wavey washer)	NDE	
<b>TORQUE VALUES</b>		
	<b>Torque lb-ft</b>	<b>% FLT</b>
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
<b>SITE CONDITIONS</b>		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	



Single Phase

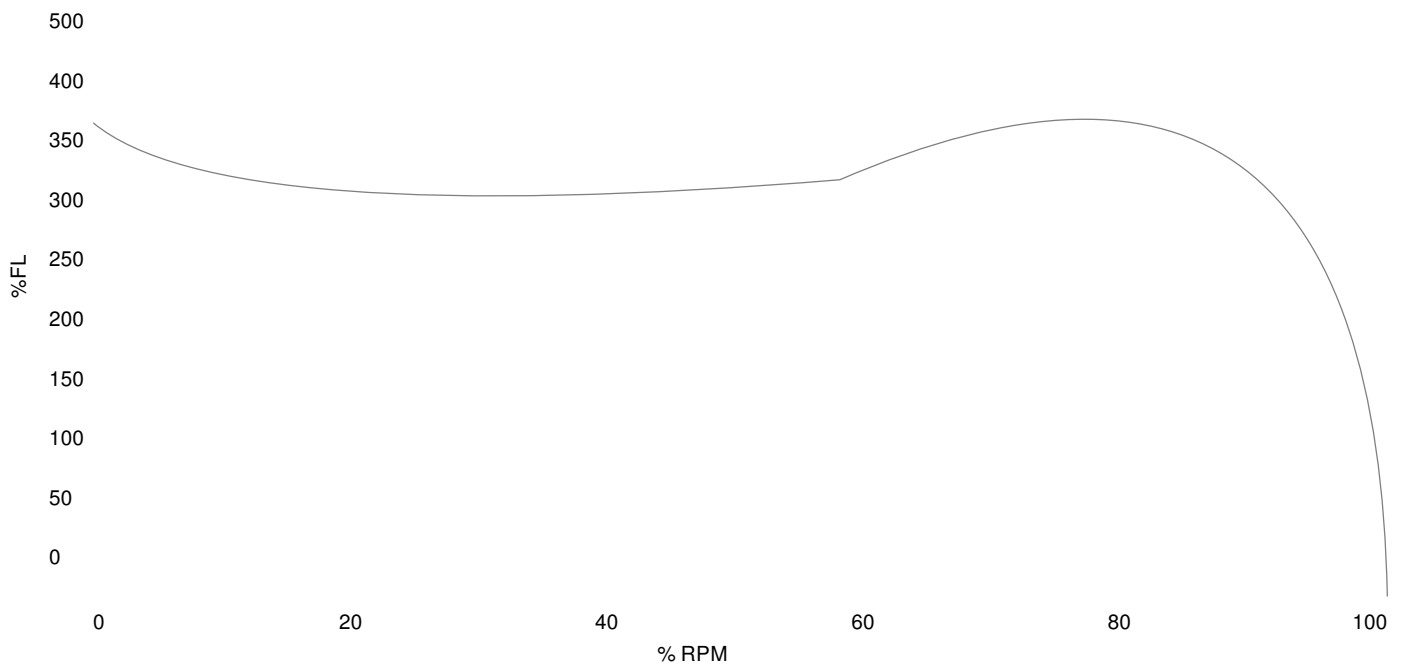
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NEMA Rolled Steel, TEFC

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	-	-	-	-	-	-

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