



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

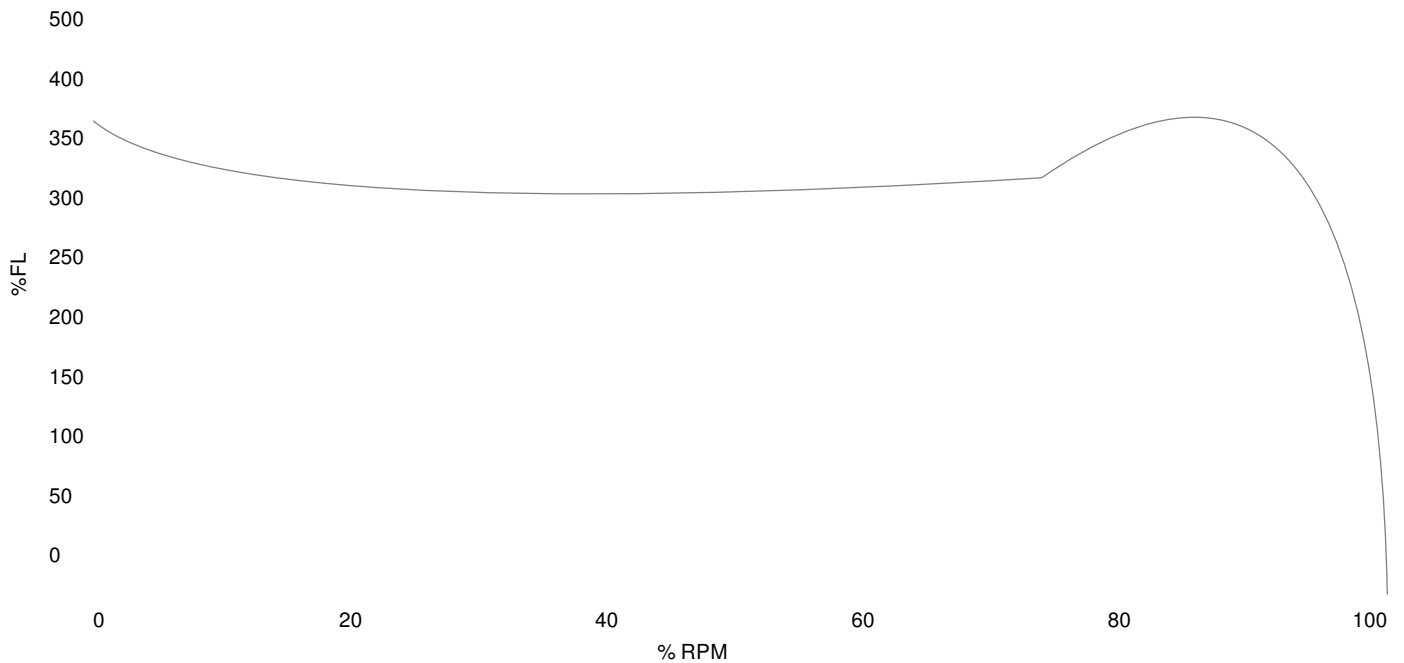
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NEMA Rolled Steel, TEFC

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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