



Single Phase

NEMA

MOTOR MODEL:	RD1-RS-TF-56H-4-B-C-1
FACTORY TYPE:	SLF

NEMA Rolled Steel, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.0	-
Speed, RPM	1750	-
Voltage	115/208-230	-
# Phase	1	-
Full Load Amps	9.3/4.95-4.65	-
Power Factor	0.9	-
Nominal Efficiency	77.5	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	J	-
FL Amps. @ 208 V	4.95	-
Locked Rotor Current	32.5622	-
Start Capacitor	300	-
Start Capacitor V	165	-
Run Capacitor	60	-
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	71.0	-
3D Image Link		
RD1-RS-TF-56H-4-B-C-1		

GENERAL DATA			
Frame Size	56H		
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	true		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	41.0		
MECHANICAL DATA			
DE Bearing	6204-2RZ		
NDE Bearing	6203-2RZ		
dB No-Load	-		
Rotor Wk ² , Lb-Ft ²	-		
Comp Ring (wavy washer)	NDE		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque	10.4631	346.0	
Pull-Up Torque	7.25761	240.0	
Breakdown Torque	8.04385	266.0	
Full Load Torque	3.024	100.0	
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		



Single Phase

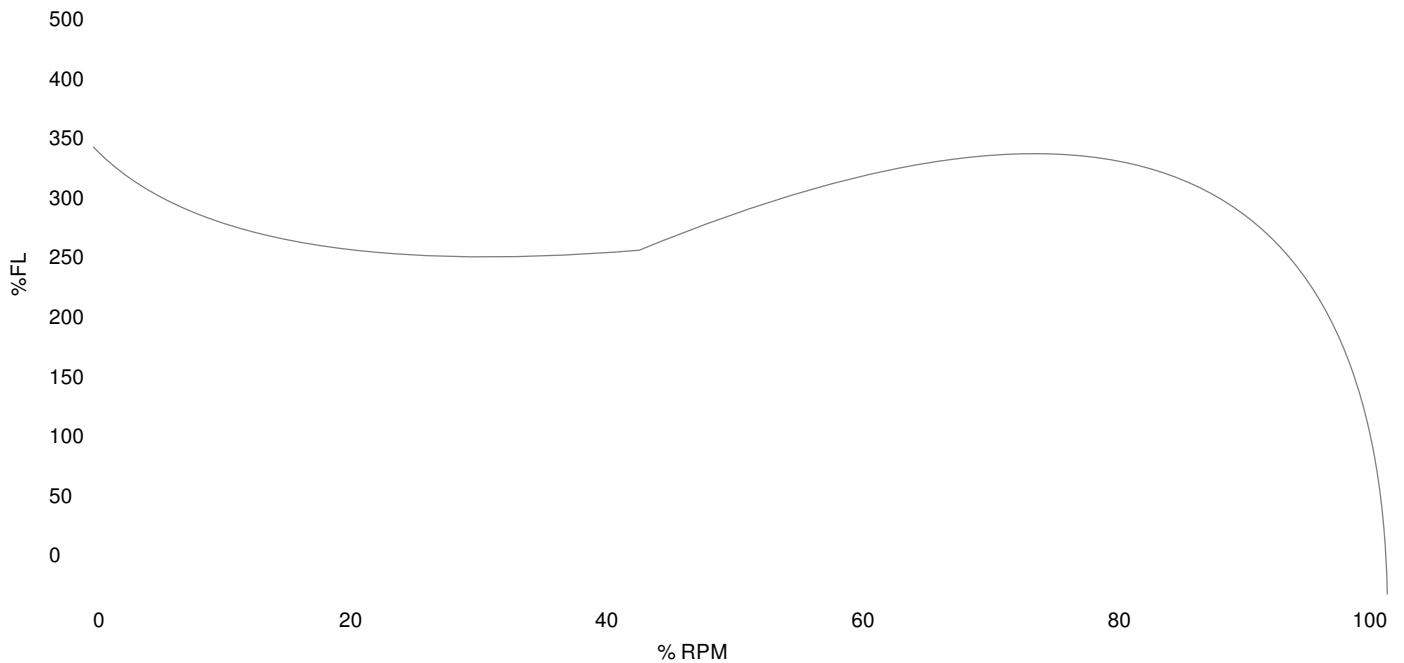
NEMA

MOTOR MODEL:	RD1-RS-TF-56H-4-B-C-1
FACTORY TYPE:	SLF

NEMA Rolled Steel, TEFC

Non Sinusoidal (VFD) Output 1.0HP, 1750 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	10.4631	346.0	Start Configuration
Pull-Up Torque	7.25761	240.0	Starting Current (A)
Breakdown Torque	8.04385	266.0	No-Load Current (A)
Full Load	3.024	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	2.07	-	-	-	-
25	-	-	-	-	-	-
50	-	-	-	-	-	-
75	-	-	-	-	-	-
100	-	-	-	-	-	-
125	-	-	-	-	-	-

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