



Single Phase

NEMA

MOTOR MODEL:	RD1-RS-TF-213TZ-4-B-B-7.5
FACTORY TYPE:	SLF

NEMA Rolled Steel, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	7.5	-
Speed, RPM	1740	-
Voltage	208-230	-
# Phase	1	-
Full Load Amps	34.3-31.0	-
Power Factor	0.94	-
Nominal Efficiency	82.0	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	H	-
FL Amps. @ 208 V	34.3	-
LRC @ 60Hz HV	218.397	-
Start Capacitor	400 x2	-
Start Capacitor V	350	-
Run Capacitor	40 x2	-
Run Capacitor V	450	-
Number of Leads	5	-
Connection	-	-
Coil Resistance	-	-
Date Code	-	-
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	85.0	-
3D Image Link		
RD1-RS-TF-213TZ-4-B-B-7.5		

GENERAL DATA				
Frame Size	213TZ			
Frame Enclosure	TEFC			
Mounting	Rigid			
Insulation Class	F			
Duty	Cont. / S1			
NEMA Design	L			
Frame Material	Rolled Steel			
Ingress Protection	54			
Tropicalization	-			
Cable Entry	1.1"			
Feet Removable	-			
Double Drilled	true			
Paint Color	Graphite Gray			
Paint RAL	7024			
Weight lb	185.0			
MECHANICAL DATA				
DE Bearing	6208-2RZ			
NDE Bearing	6206-2RZ			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavy washer)	NDE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	89.8351	400.0		
Pull-Up Torque	48.2864	215.0		
Breakdown Torque	53.901	240.0		
Full Load Torque	22.4588	100.0		
SITE CONDITIONS				
Ambient Temp °C	40			
Altitude Above Sea Level m	1000			

*This report valid for above Date Code and newer models, please contact Techttop for more info.

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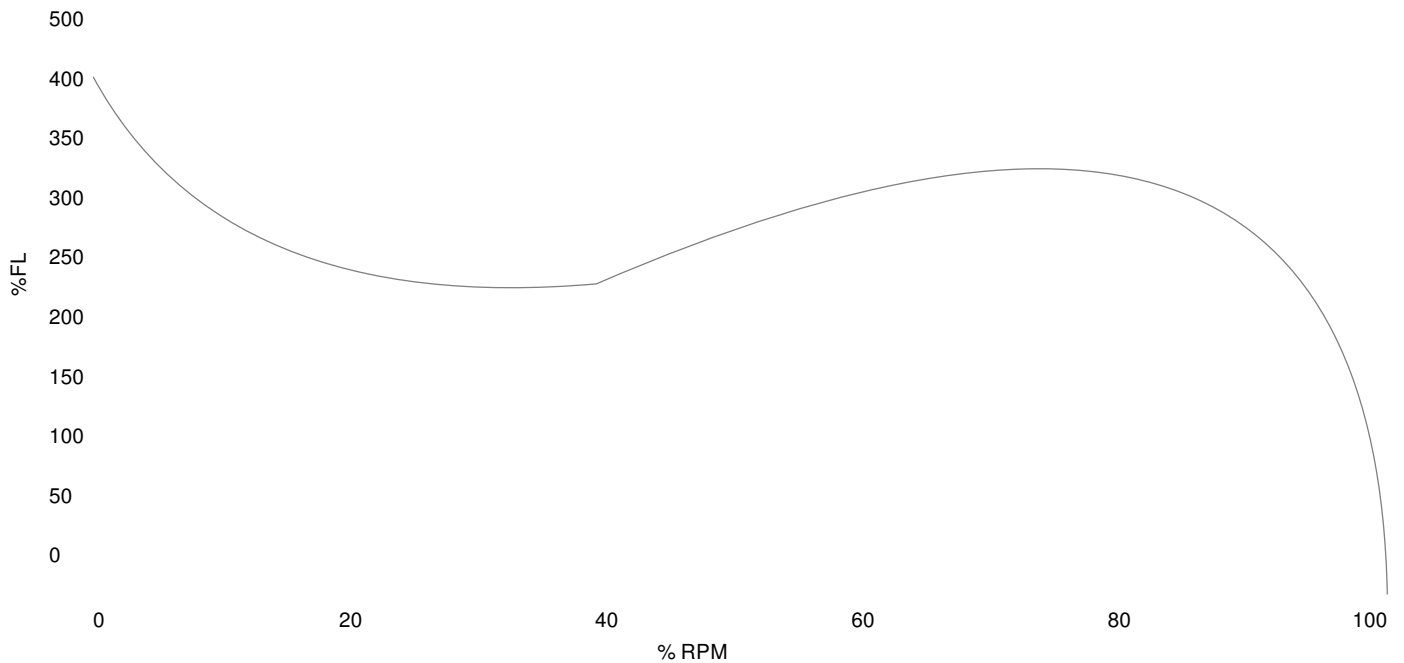
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	89.8351	400.0	Start Configuration
Pull-Up Torque	48.2864	215.0	Starting Current (A)
Breakdown Torque	53.901	240.0	No-Load Current (A)
Full Load	22.4588	100.0	No-Load Power Factor

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

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