



Single Phase

NEMA

MOTOR MODEL:	RD1-RS-TF-182T-4-B-B-3
FACTORY TYPE:	SLF

NEMA Rolled Steel, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	3.0	-
Speed, RPM	1740	-
Voltage	208-230	-
# Phase	1	
Full Load Amps	14.3-12.9	-
Power Factor	0.93	-
Nominal Efficiency	80.0	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	H	-
FL Amps. @ 208 V	14.3	-
LRC @ 60Hz HV	90.4247	-
Start Capacitor	250	
Start Capacitor V	330	
Run Capacitor	20 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	41.0	-
3D Image Link		
RD1-RS-TF-182T-4-B-B-3		

GENERAL DATA		
Frame Size	182T	
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	92.0	
MECHANICAL DATA		
DE Bearing	6306-2RZ	
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	38.8067	437.0
Pull-Up Torque	19.6253	221.0
Breakdown Torque	21.135	238.0
Full Load Torque	8.88025	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 Techtop for more info.



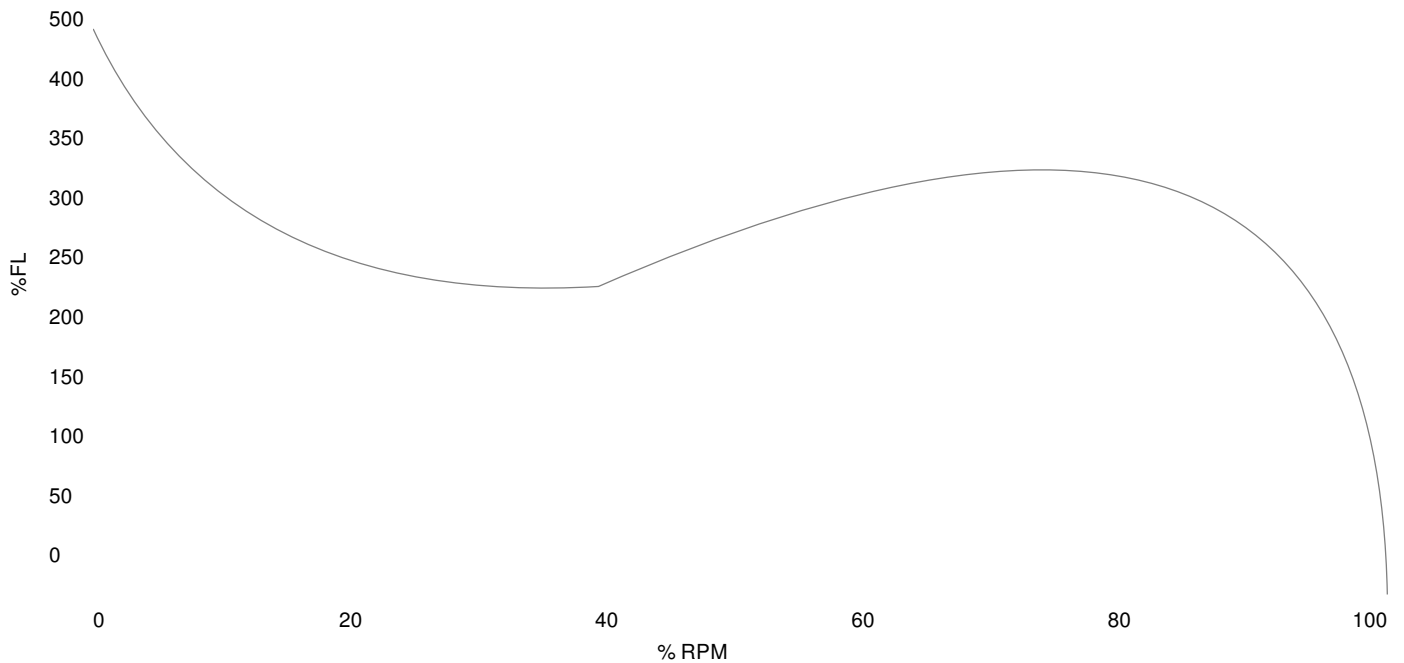
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	38.8067	437.0	Start Configuration
Pull-Up Torque	19.6253	221.0	Starting Current (A)
Breakdown Torque	21.135	238.0	No-Load Current (A)
Full Load	8.88025	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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