



NEMA Premium

NEMA

MOTOR MODEL:	GR3-AL-TF-182TC-6-B-D-1.5
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.5	1.5
Speed, RPM	1175	970
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	4.64/2.32	5.37/2.67
Power Factor	0.68	-
Nominal Efficiency	87.5	87.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	J
FL Amps. @ 208 V	4.76	-
Locked Rotor Current	16.9824	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	16.0	16.0
3D Image Link		
Not available for this motor		

GENERAL DATA				
Frame Size	182TC			
Frame Enclosure	TEFC			
Mounting	Rigid/C-Flange			
Insulation Class	F			
Duty	Cont. / S1			
NEMA Design	B			
Frame Material	Cast Aluminum			
Ingress Protection	55			
Tropicalization	true			
Cable Entry	1-NPT 3/4"			
Feet Removable	true			
Double Drilled	-			
Paint Color	Graphite Gray			
Paint RAL	7024			
Weight lb	39.5			
MECHANICAL DATA				
DE Bearing	6306ZZ			
NDE Bearing	6206ZZ			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavy washer)	-			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	17.6977		269.0	
Pull-Up Torque	-		-	
Breakdown Torque	12.6318		192.0	
Full Load Torque	6.57905		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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Non Sinusoidal (VFD) Output 1.5HP, 1175 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	17.6977	269.0	Start Configuration
Pull-Up Torque	-	-	Starting Current (A)
Breakdown Torque	12.6318	192.0	No-Load Current (A)
Full Load	6.57905	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.57	-	-	-	-
25	0.375	-	-	-	-	-
50	0.75	-	-	-	-	-
75	1.125	-	-	-	-	-
100	1.5	-	-	-	-	-
125	1.875	-	-	-	-	-