



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-143TC-2-B-D-1
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.0	1.0
Speed, RPM	3450	2850
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	3.04/1.52	4.0/2.0
Power Factor	0.7	-
Nominal Efficiency	77.0	75.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	J
FL Amps. @ 208 V	3.36151	-
Locked Rotor Current	-	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
Not available for this motor		

GENERAL DATA				
Frame Size	143TC			
Frame Enclosure	TEFC			
Mounting	Rigid/C-Flange			
Insulation Class	F			
Duty	Cont. / S1			
NEMA Design	A			
Frame Material	Cast Iron			
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	41.2335			
MECHANICAL DATA				
DE Bearing	6205ZZ			
NDE Bearing	6205ZZ			
dB No-Load	-			
Rotor Wk ² , Lb-Ft ²	-			
Comp Ring (wavy washer)	-			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	-	-	-	-
Pull-Up Torque	-	-	-	-
Breakdown Torque	-	-	-	-
Full Load Torque	-	-	-	100.0
SITE CONDITIONS				
Ambient Temp °C	40			
Altitude Above Sea Level m	1000			



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Non Sinusoidal (VFD) Output 1.0HP, 3450 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

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

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	0.25	-	-	-	-	-
50	0.5	-	-	-	-	-
75	0.75	-	-	-	-	-
100	1.0	-	-	-	-	-
125	1.25	-	-	-	-	-