



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-143TC-4-B-D-1
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.0	1.0
Speed, RPM	1735	1425
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	3/1.5	3.8/1.9
Power Factor	0.74	-
Nominal Efficiency	85.5	81.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	J	K
FL Amps. @ 208 V	3.31761	-
Locked Rotor Current	-	-
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	-	-
3D Image Link		
GR3-CI-TF-143TC-4-B-D-1		

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	46.305		
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		

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

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Non Sinusoidal (VFD) Output 1.0HP, 1735 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	-	-	-	-	-