



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-447TSC-2-BR-E-200
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	200.0	200.0
Speed, RPM	3575	2960
Voltage	460	380
# Phase	3	
Full Load Amps	218.1019156	266
Power Factor	0.92	-
Nominal Efficiency	95.4	94.0
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	D
FL Amps. @ 208 V	-	-
Locked Rotor Current	3435.78	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	6	
Connection	D	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	94.65	0.83
75%	95.33	0.89
100%	95.34	0.91
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	84.0	-
3D Image Link		
Not available for this motor		

GENERAL DATA			
Frame Size	447TSC		
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	2-NPT 3"		
Feet Removable	-		
Double Drilled	true		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	1858.81		
MECHANICAL DATA			
DE Bearing	6316C3		
NDE Bearing	6316C3		
dB No-Load	-		
Rotor Wk ² , Lb-Ft ²	-		
Comp Ring (wavey washer)	-		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque	1541.82	523.0	
Pull-Up Torque	-	-	
Breakdown Torque	1627.32	552.0	
Full Load Torque	294.804	100.0	
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		

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Non Sinusoidal (VFD) Output 200.0HP, 3575 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	1541.82	523.0	Start Configuration
Pull-Up Torque	-	-	Starting Current (A)
Breakdown Torque	1627.32	552.0	No-Load Current (A)
Full Load	294.804	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	67.08	-	-	-	-
25	50.0	91.34	47.12	3594.9	91.52	0.65
50	100.0	138.2	91.12	3590.1	94.65	0.83
75	150.0	191.27	135.71	3585.0	95.33	0.89
100	200.0	249.02	180.93	3579.7	95.34	0.91
125	250.0	285.29	208.39	3576.4	95.19	0.92

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