



NEMA Premium

NEMA

MOTOR MODEL:	GR3-CI-TF-449T-4-BR-E-300
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	300.0	300.0
Speed, RPM	1793	-
Voltage	460	-
# Phase	3	
Full Load Amps	362.68	-
Power Factor	0.80796	-
Nominal Efficiency	95.86	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	-	-
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	5375.0	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	6	
Connection	D	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	94.742	0.6196
75%	95.652	0.7441
100%	95.858	0.80796
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	90.1	-
3D Image Link		
GR3-CI-TF-449T-4-BR-E-300		

GENERAL DATA		
Frame Size	449T	
Frame Enclosure	TEFC	
Mounting	Rigid	
Insulation Class	F	
Duty	Cont. / S1	
NEMA Design	-	
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	-	
MECHANICAL DATA		
DE Bearing	6319C3	
NDE Bearing	6319C3	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavey washer)	DE	
TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	4739.04	540.0
Pull-Up Torque	-	-
Breakdown Torque	4633.73	528.0
Full Load Torque	877.6	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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