



NEMA Premium

NEMA

MOTOR MODEL:	OX3-CI-TF-449T-4-BR-E-300
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	300.0	-
Speed, RPM	1780	-
Voltage	460	-
# Phase	3	
Full Load Amps	336.5	-
Power Factor	0.88	-
Nominal Efficiency	95.4	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	F	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	2972.2	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	6	
Connection	D	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	95.88	0.82
75%	96.11	0.88
100%	95.85	0.9
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	94.0	-
3D Image Link		
OX3-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	C			
Frame Material	Cast Iron			
Ingress Protection	-			
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	NU319			
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	2872.23	341.0		
Pull-Up Torque	1179.21	140.0		
Breakdown Torque	2922.77	347.0		
Full Load Torque	842.296	100.0		
SITE CONDITIONS				
Ambient Temp °C	40			
Altitude Above Sea Level m	1000			



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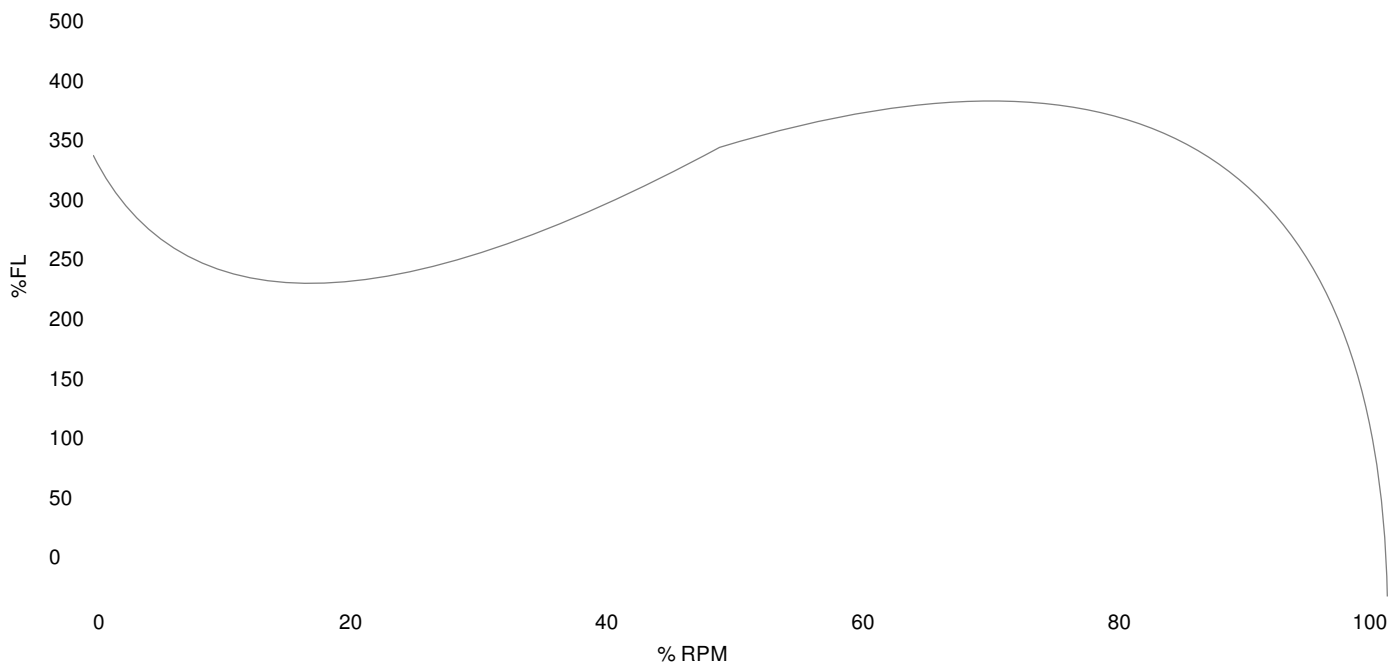
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Non Sinusoidal (VFD) Output 300.0HP, 1780 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	2872.23	341.0	Start Configuration
Pull-Up Torque	1179.21	140.0	Starting Current (A)
Breakdown Torque	2922.77	347.0	No-Load Current (A)
Full Load	842.296	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	88.7	-	-	-	-
25	62.5	115.46	57.1	1796.8	93.91	0.62
50	125.0	172.17	111.86	1793.7	95.88	0.82
75	187.5	238.28	167.39	1790.5	96.11	0.88
100	250.0	310.89	223.78	1787.0	95.85	0.9
125	312.5	356.38	258.04	1784.9	95.6	0.91

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