NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-449TSC-2-BR-E-250
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	250.0	250.0
Speed, RPM	3575	2965
Voltage	460	380
# Phase	3	
Full Load Amps	271.4890755	330
Power Factor	0.91	-
Nominal Efficiency	95.8	94.3
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	D
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	4246.99	-
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%	94.91	0.86
75%	95.51	0.91
100%	95.48	0.92

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	107.0	-

3D Image Link
BR3-CI-TF-449TSC-2-BR-E-250

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

GENERAL DATA	
Frame Size	449TSC
Frame Enclosure	TEFC
Mounting	Rigid/C-Flange
Insulation Class	F
Duty	Cont. / S1
NEMA Design	A
Frame Material	Cast Iron
Ingress Protection	56
Tropicalization	true
Cable Entry	2-NPT 3"
Feet Removable	-
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	2024.19

MECHANICAL DATA	
DE Bearing	6316C3
NDE Bearing	6316C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	2011.6	480.0
Pull-Up Torque	109800.0	262.0
Breakdown Torque	1973.88	471.0
Full Load Torque	419.083	100.0

SITE CONDITIONS	
Ambient Temp °C	40
Altitude Above Sea Level m	1000

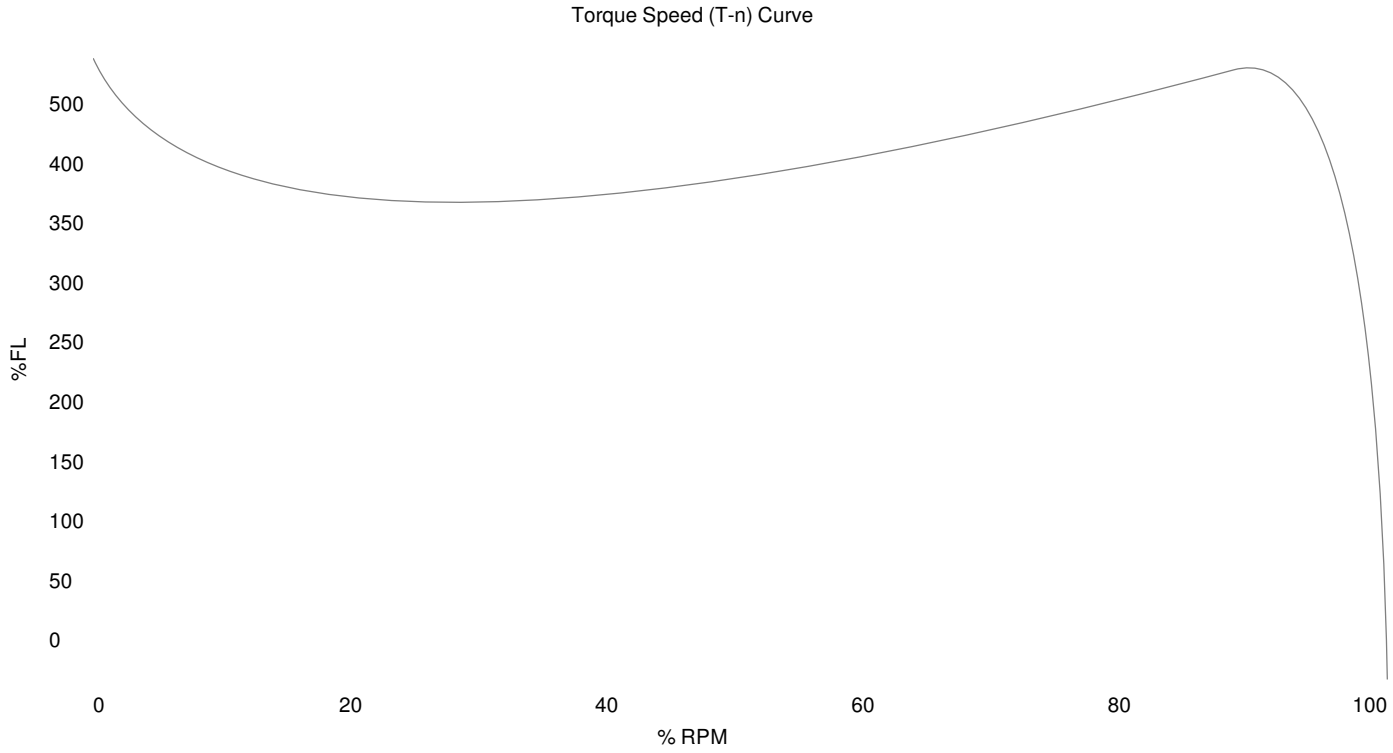
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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	2011.6	480.0	Start Configuration	-
Pull-Up Torque	109800.0	262.0	Starting Current (A)	-
Breakdown Torque	1973.88	471.0	No-Load Current (A)	-
Full Load	419.083	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	71.28	-	-	-	-
25	62.5	104.41	58.29	3594.5	91.99	0.7
50	125.0	164.8	113.0	3589.1	94.91	0.86
75	187.5	232.66	168.43	3583.5	95.51	0.91
100	250.0	305.08	224.66	3577.6	95.48	0.92
125	312.5	349.51	258.79	3574.0	95.32	0.93

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