NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-364TSC-2-BR-E-60
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	60.0	60.0
Speed, RPM	3560	2940
Voltage	460	380
# Phase	3	
Full Load Amps	67.5	-
Power Factor	0.89	-
Nominal Efficiency	93.6	91.2
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	L	E
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	718.468	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	-	
Date Code	-	

Load	Efficiency %	P.F.
50%	90.17	0.79
75%	92.28	0.87
100%	93.07	0.89

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	49.0	-

3D Image Link
BR3-CI-TF-364TSC-2-BR-E-60

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

GENERAL DATA	
Frame Size	364TSC
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	1-NPT 2"
Feet Removable	-
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	761.828

MECHANICAL DATA	
DE Bearing	6313C3
NDE Bearing	6313C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	382.352	432.0
Pull-Up Torque	151.348	171.0
Breakdown Torque	318.627	360.0
Full Load Torque	88.5075	100.0

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

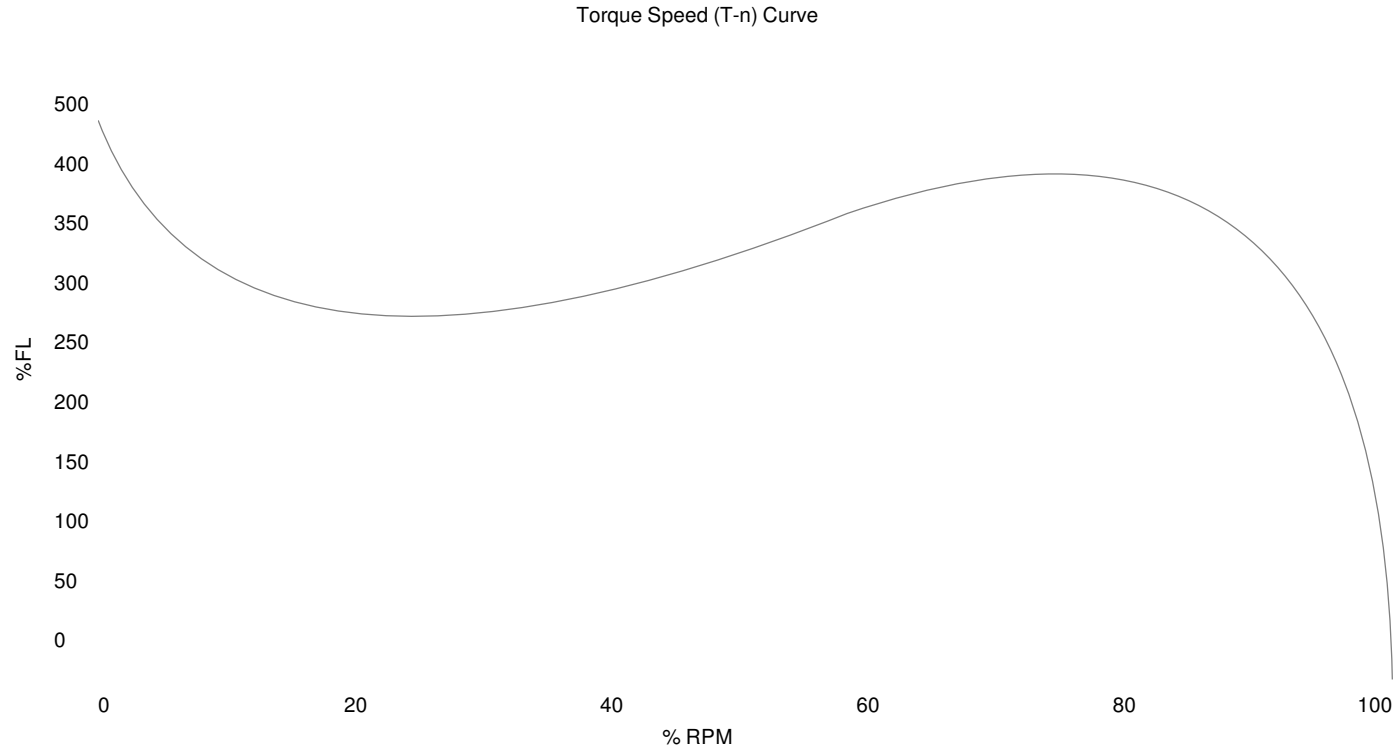
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FACTORY TYPE:	TXC

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Premium NEMA Cast Iron, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	382.352	432.0	Start Configuration	-
Pull-Up Torque	151.348	171.0	Starting Current (A)	-
Breakdown Torque	318.627	360.0	No-Load Current (A)	-
Full Load	88.5075	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	21.45	-	-	-	-
25	15.0	27.65	13.48	3593.7	83.47	0.61
50	30.0	39.47	24.95	3587.9	90.17	0.79
75	45.0	53.0	36.57	3581.7	92.28	0.87
100	60.0	67.84	48.35	3575.2	93.07	0.89
125	75.0	83.6	60.3	3568.4	93.29	0.91

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