NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-254TC-4-BR-E-15
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	15.0	15.0
Speed, RPM	1760	1450
Voltage	460	380
# Phase	3	
Full Load Amps	18.6	-
Power Factor	0.81	-
Nominal Efficiency	92.4	88.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	K	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	169.824	-
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%	91.29	0.67
75%	92.52	0.78
100%	92.63	0.84

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	40.0	-

3D Image Link
BR3-CI-TF-254TC-4-BR-E-15

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

GENERAL DATA	
Frame Size	254TC
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 1-1/4"
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	278.932

MECHANICAL DATA	
DE Bearing	6309C3
NDE Bearing	6309C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	130.197	290.0
Pull-Up Torque	109.994	245.0
Breakdown Torque	173.745	387.0
Full Load Torque	44.8954	100.0

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

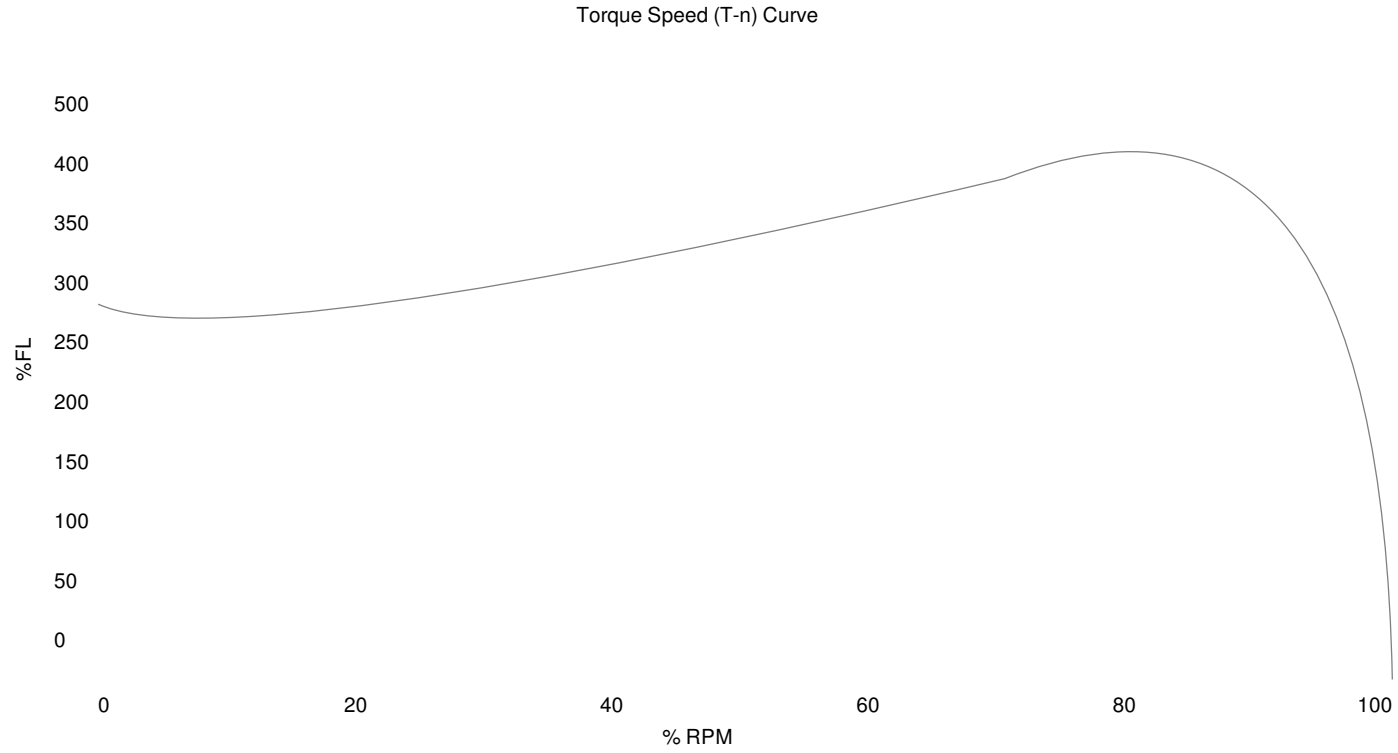
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FACTORY TYPE:	TXC

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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	130.197	290.0	Start Configuration	-
Pull-Up Torque	109.994	245.0	Starting Current (A)	-
Breakdown Torque	173.745	387.0	No-Load Current (A)	-
Full Load	44.8954	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	8.37	-	-	-	-
25	3.75	9.23	3.28	1794.2	86.19	0.45
50	7.5	11.62	6.19	1788.5	91.29	0.67
75	11.25	14.7	9.16	1782.5	92.52	0.78
100	15.0	18.3	12.2	1776.1	92.63	0.84
125	18.75	22.25	15.31	1769.4	92.25	0.86

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