NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-284TSC-2-BR-E-25
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	25.0	25.0
Speed, RPM	3550	2930
Voltage	460	380
# Phase	3	
Full Load Amps	28.9	-
Power Factor	0.89	-
Nominal Efficiency	91.7	89.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	M	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	353.963	-
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%	89.54	0.71
75%	91.42	0.81
100%	91.96	0.86

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	56.0	-

3D Image Link
BR3-CI-TF-284TSC-2-BR-E-25

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

GENERAL DATA	
Frame Size	284TSC
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 1-1/2"
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	353.902

MECHANICAL DATA	
DE Bearing	6311C3
NDE Bearing	6311C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	127.93	346.0
Pull-Up Torque	73.5782	199.0
Breakdown Torque	157.509	426.0
Full Load Torque	36.974	100.0

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

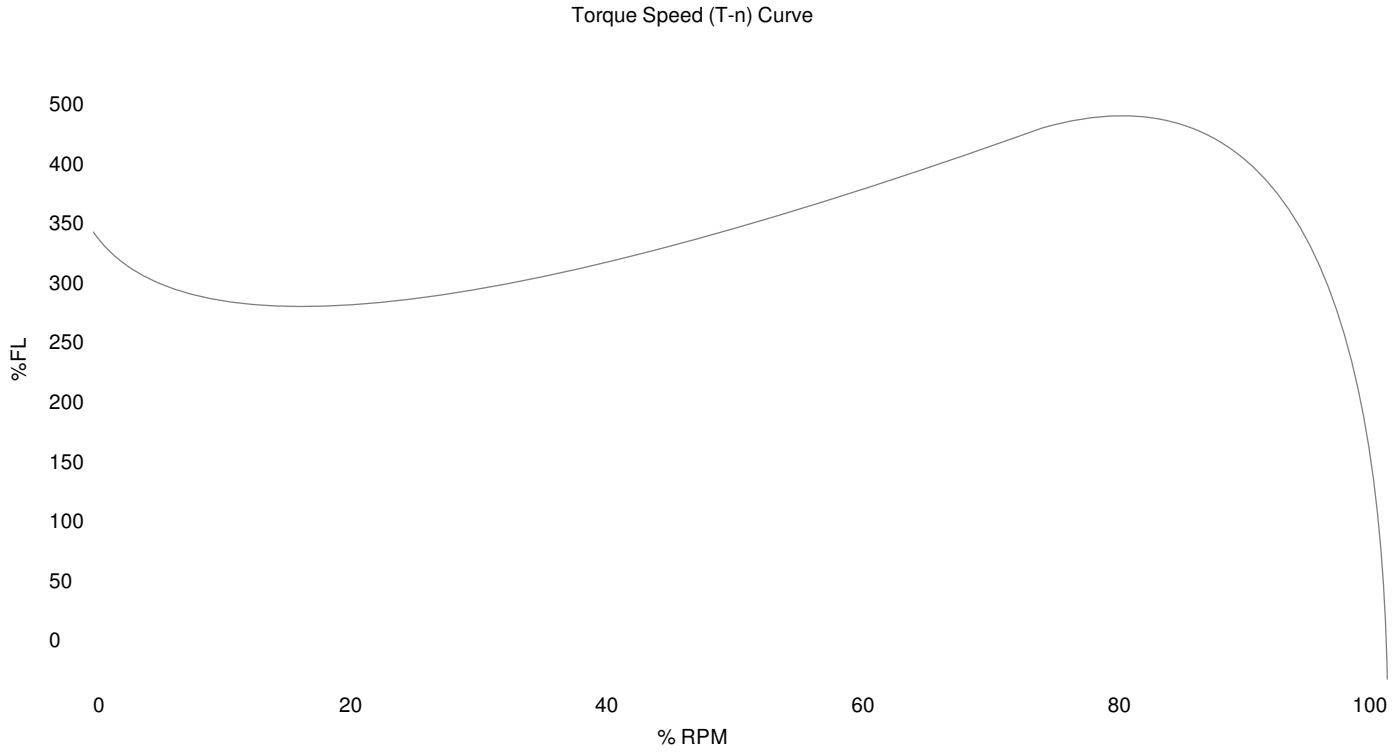
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FACTORY TYPE:	TXC

NEMA

Premium NEMA Cast Iron, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	127.93	346.0	Start Configuration	-
Pull-Up Torque	73.5782	199.0	Starting Current (A)	-
Breakdown Torque	157.509	426.0	No-Load Current (A)	-
Full Load	36.974	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	12.34	-	-	-	-
25	6.25	13.71	5.6	3591.4	83.02	0.51
50	12.5	18.36	10.39	3582.8	89.54	0.71
75	18.75	23.72	15.26	3573.7	91.42	0.81
100	25.0	29.67	20.23	3564.1	91.96	0.86
125	31.25	36.11	25.3	3554.1	91.91	0.88

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