NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-284TC-4-BR-E-25
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	25.0	25.0
Speed, RPM	1770	1460
Voltage	460	380
# Phase	3	
Full Load Amps	29.6	-
Power Factor	0.85	-
Nominal Efficiency	93.6	90.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	K	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	269.106	-
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%	91.59	0.73
75%	92.84	0.82
100%	93.05	0.87

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	51.0	-

3D Image Link
BR3-CI-TF-284TC-4-BR-E-25

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

GENERAL DATA	
Frame Size	284TC
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	366.03

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	209.565	283.0
Pull-Up Torque	152.546	206.0
Breakdown Torque	259.179	350.0
Full Load Torque	74.0512	100.0

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

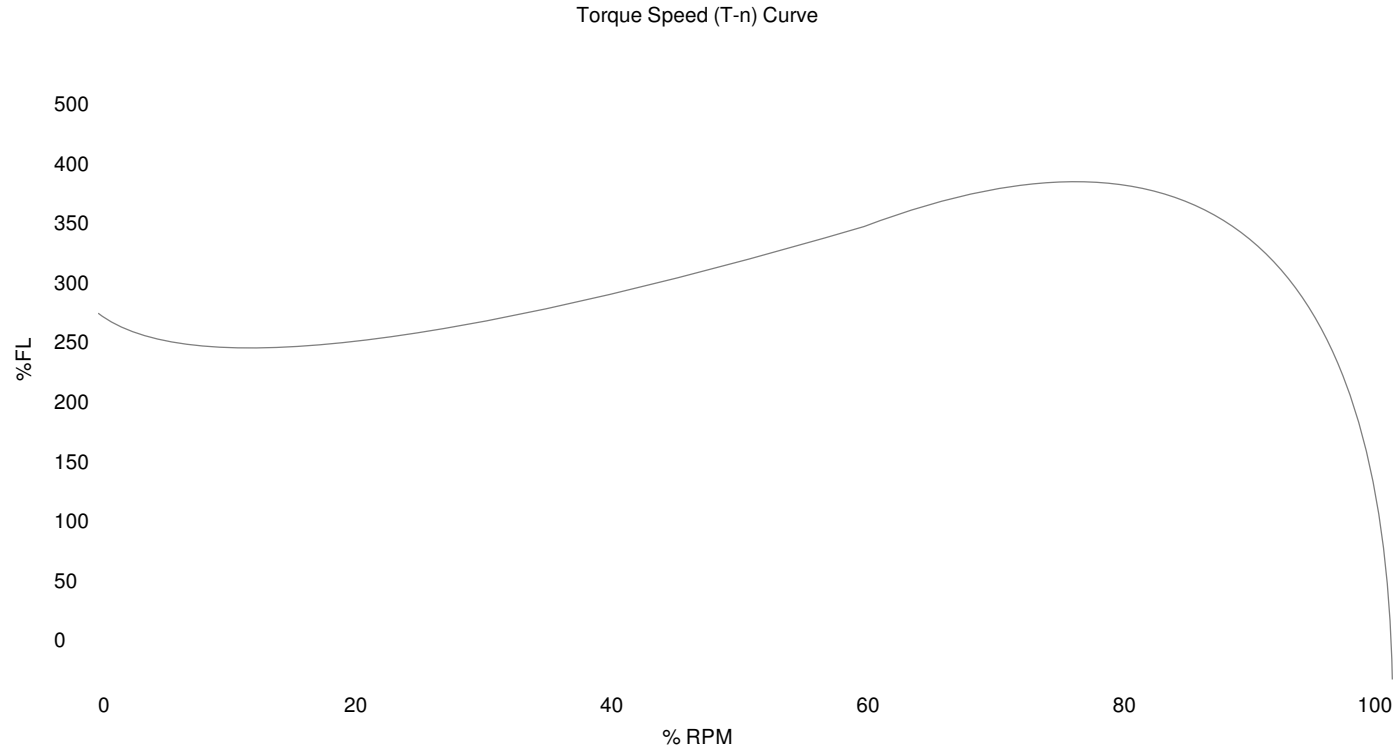
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FACTORY TYPE:	TXC

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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	209.565	283.0	Start Configuration	-
Pull-Up Torque	152.546	206.0	Starting Current (A)	-
Breakdown Torque	259.179	350.0	No-Load Current (A)	-
Full Load	74.0512	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	11.63	-	-	-	-
25	6.25	11.99	5.36	1793.7	86.79	0.56
50	12.5	17.43	10.15	1788.3	91.59	0.73
75	18.75	22.92	15.03	1782.5	92.84	0.82
100	25.0	28.72	19.99	1776.1	93.05	0.87
125	31.25	35.08	25.06	1769.2	92.77	0.9

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