NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-444TC-4-BR-E-125
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	125.0	125.0
Speed, RPM	1780	1480
Voltage	460	380
# Phase	3	
Full Load Amps	139.4117358	167
Power Factor	0.88	-
Nominal Efficiency	95.4	93.7
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	K	D
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	1465.36	-
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%	94.33	0.73
75%	95.38	0.83
100%	95.65	0.87
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	70.0	-
3D Image Link		
BR3-CI-TF-444TC-4-BR-E-125		

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

GENERAL DATA	
Frame Size	444TC
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 3"
Feet Removable	-
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	1479.56
MECHANICAL DATA	
DE Bearing	6319C3
NDE Bearing	6319C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	1294.77	355.0
Pull-Up Torque	692.977	190.0
Breakdown Torque	1240.06	340.0
Full Load Torque	364.724	100.0

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

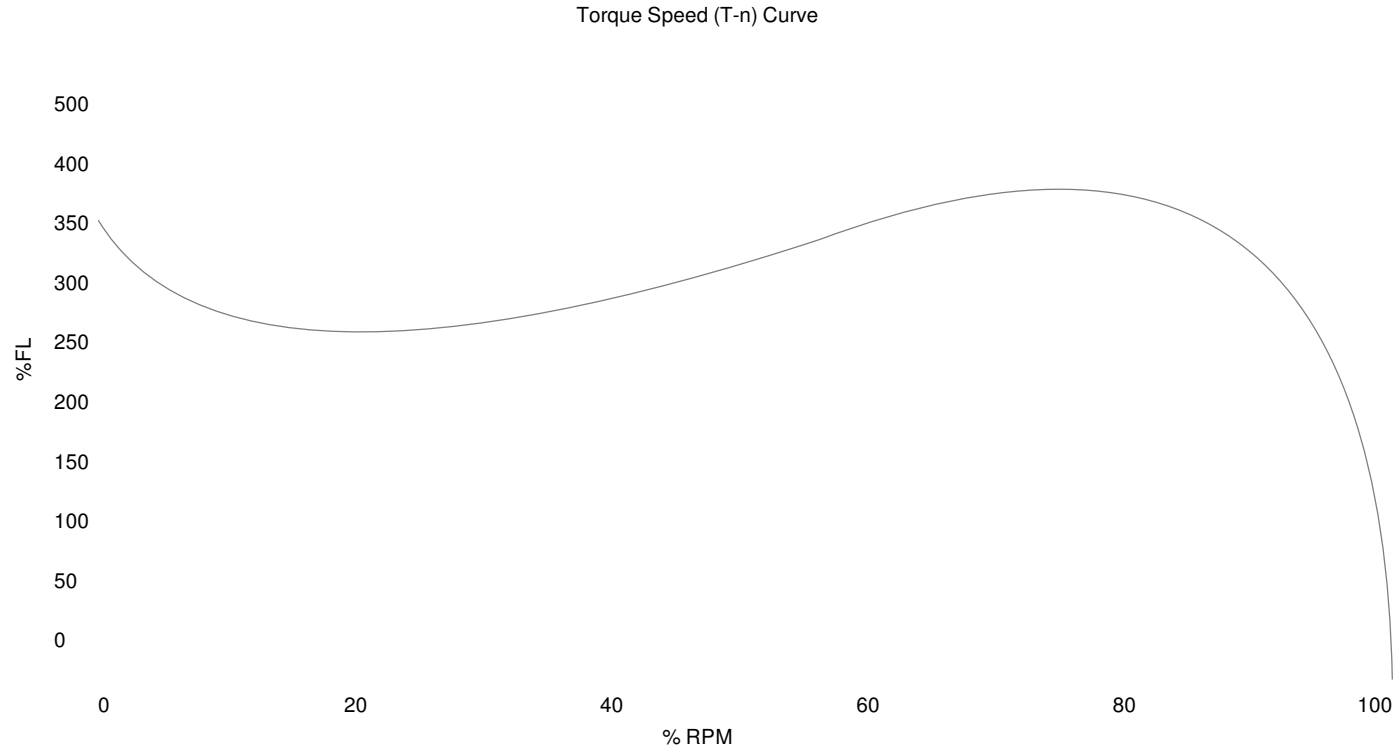
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FACTORY TYPE:	TXC

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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	1294.77	355.0	Start Configuration	-
Pull-Up Torque	692.977	190.0	Starting Current (A)	-
Breakdown Torque	1240.06	340.0	No-Load Current (A)	-
Full Load	364.724	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	55.58	-	-	-	-
25	31.25	64.5	25.7	1797.7	90.47	0.5
50	62.5	85.06	49.3	1795.2	94.33	0.73
75	93.75	111.22	73.13	1792.7	95.38	0.83
100	125.0	140.92	97.23	1790.0	95.65	0.87
125	156.25	159.57	111.81	1788.3	95.65	0.88

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