NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-445T-6-RR-E-125
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	125.0	125.0
Speed, RPM	1180	985
Voltage	460	380
# Phase	3	
Full Load Amps	143.2545171	175
Power Factor	0.86	-
Nominal Efficiency	95.0	93.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	J	D
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	1445.83	-
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%	93.12	0.73
75%	93.83	0.81
100%	93.68	0.85

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	100.0	-

3D Image Link
BR3-CI-TF-445T-6-RR-E-125

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

GENERAL DATA	
Frame Size	445
Frame Enclosure	TEFC
Mounting	Rigid
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	1730.93

MECHANICAL DATA	
DE Bearing	NU319
NDE Bearing	6319C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	None

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	1694.37	269.0
Pull-Up Torque	894.427	142.0
Breakdown Torque	1933.73	307.0
Full Load Torque	629.878	100.0

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

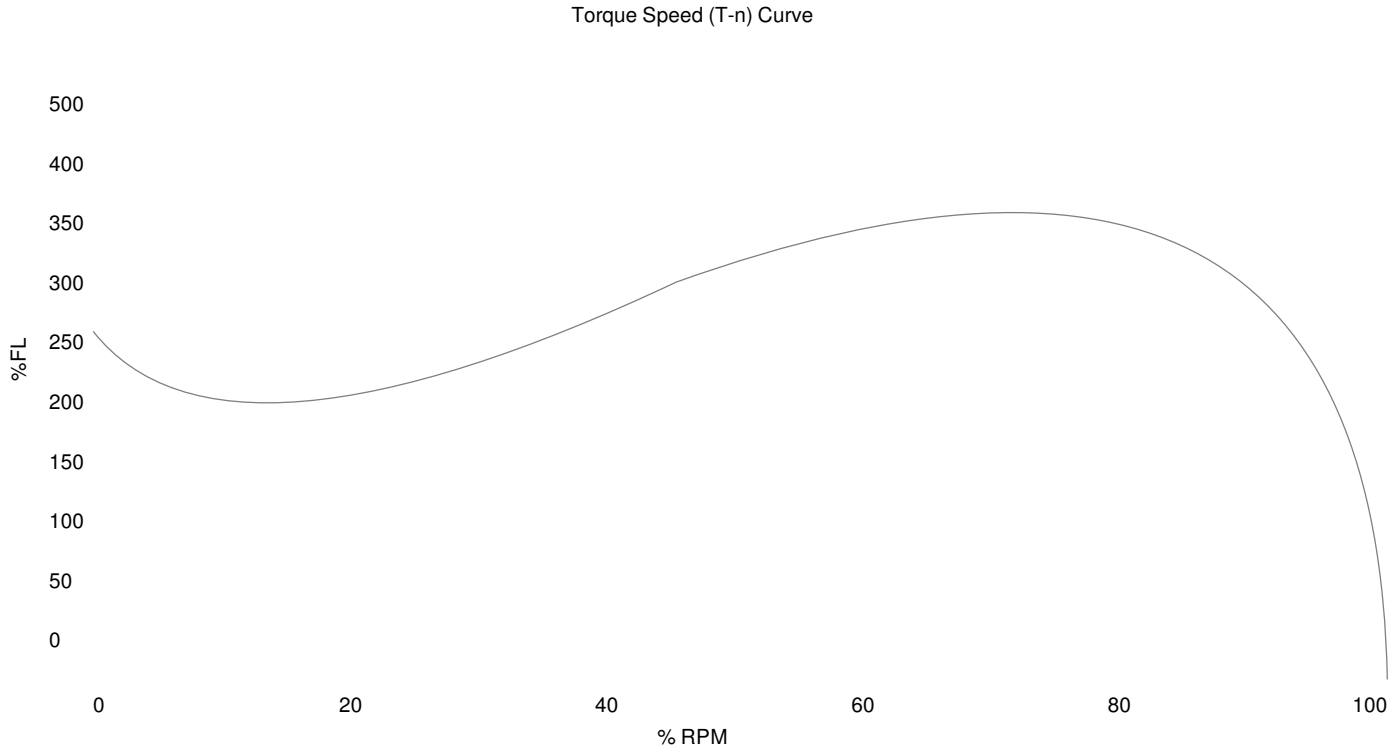
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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	1694.37	269.0	Start Configuration	-
Pull-Up Torque	894.427	142.0	Starting Current (A)	-
Breakdown Torque	1933.73	307.0	No-Load Current (A)	-
Full Load	629.878	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	62.1	-	-	-	-
25	31.25	73.09	30.01	1197.8	89.39	0.52
50	62.5	99.61	57.61	1195.7	93.12	0.73
75	93.75	132.1	85.77	1193.4	93.83	0.81
100	125.0	169.49	114.54	1191.0	93.68	0.85
125	156.25	210.69	143.98	1188.3	93.16	0.86

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