NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-444TSC-2-BR-E-125
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	125.0	125.0
Speed, RPM	3575	2960
Voltage	460	380
# Phase	3	
Full Load Amps	136.8876496	166
Power Factor	0.9	-
Nominal Efficiency	95.0	93.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	M	E
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	1669.06	-
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%	93.44	0.85
75%	94.56	0.9
100%	94.81	0.92
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	81.0	-
3D Image Link		
BR3-CI-TF-444TSC-2-BR-E-125		

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

GENERAL DATA	
Frame Size	444TSC
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	1437.66
MECHANICAL DATA	
DE Bearing	6316C3
NDE Bearing	6316C3
dB No-Load	-
Rotor Wk^2, $Lb\text{-}Ft^2$	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	693.434	330.0
Pull-Up Torque	310.995	148.0
Breakdown Torque	821.614	391.0
Full Load Torque	210.131	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	

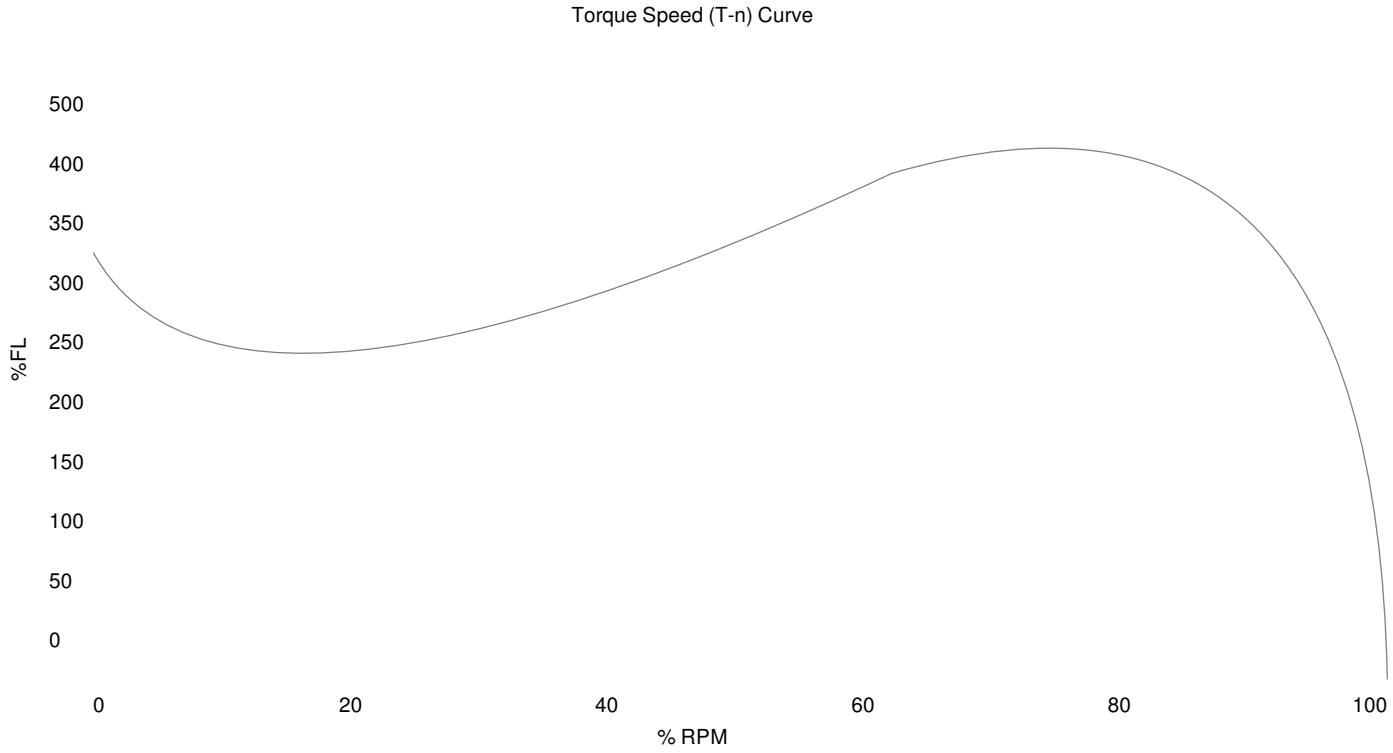
Techtop Industries
2815 Colonnades Court
Peachtree Corners, GA 30071
Tel: 678-436-5540
E-Mail: info@techtopind.com

NEMA Premium

MOTOR MODEL:	BR3-CI-TF-444TSC-2-BR-E-125
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	693.434	330.0	Start Configuration	-
Pull-Up Torque	310.995	148.0	Starting Current (A)	-
Breakdown Torque	821.614	391.0	No-Load Current (A)	-
Full Load	210.131	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	37.85	-	-	-	-
25	31.25	54.82	30.04	3594.5	89.21	0.89
50	62.5	84.97	57.36	3589.2	93.44	0.85
75	93.75	118.4	85.03	3583.6	94.56	0.9
100	125.0	154.45	113.07	3577.7	94.81	0.92
125	156.25	192.43	141.52	3571.6	94.69	0.92

Techtop Industries
2815 Colonnades Court
Peachtree Corners, GA 30071
Tel: 678-436-5540
E-Mail: info@techtopind.com