NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-445TSC-2-BR-E-150
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	150.0	150.0
Speed, RPM	3575	2965
Voltage	460	380
# Phase	3	
Full Load Amps	164.2651796	198
Power Factor	0.91	-
Nominal Efficiency	95.0	93.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	E
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	2244.77	-
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%	94.5	0.84
75%	95.31	0.9
100%	95.4	0.92
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	79.0	-
3D Image Link		
BR3-CI-TF-445TSC-2-BR-E-150		

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

GENERAL DATA	
Frame Size	445TSC
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	1543.5
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	905.299	359.0
Pull-Up Torque	660.692	262.0
Breakdown Torque	1366.77	542.0
Full Load Torque	252.173	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	

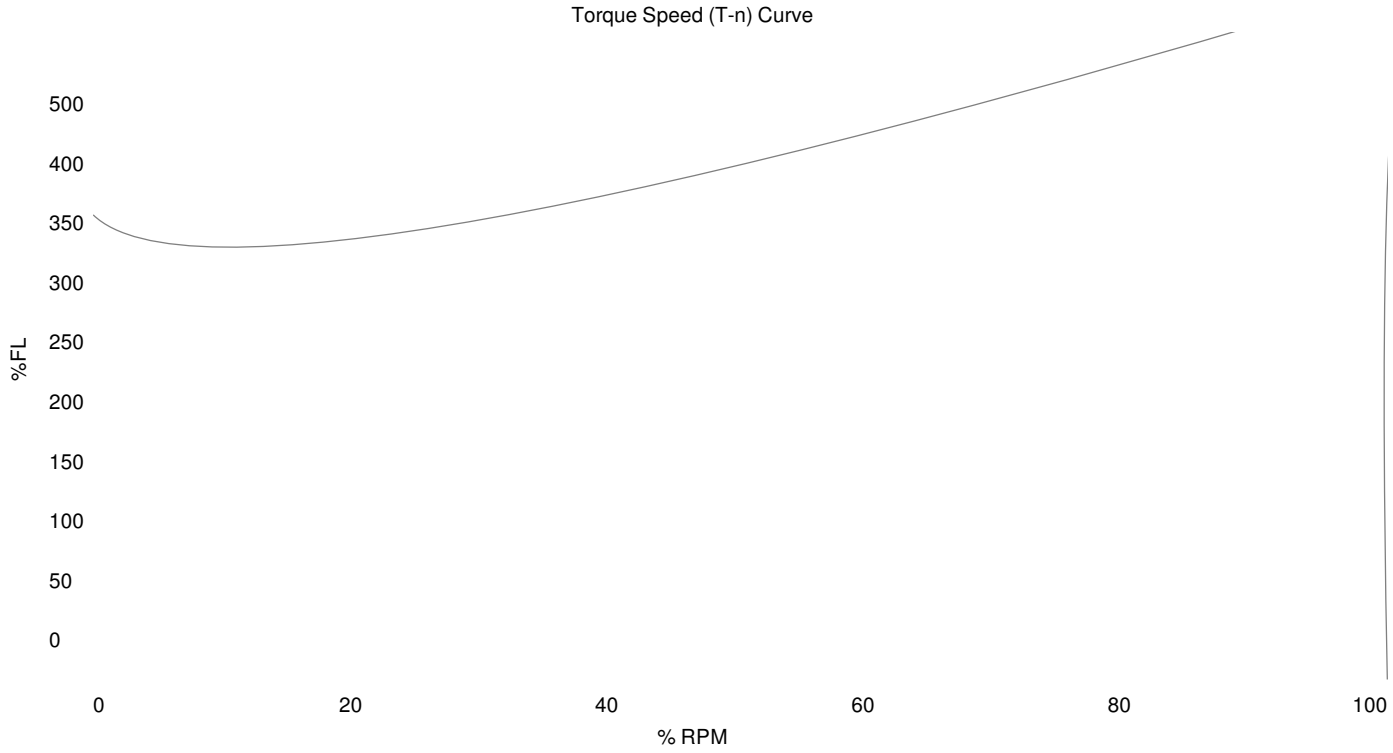
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MOTOR MODEL:	BR3-CI-TF-445TSC-2-BR-E-150
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	905.299	359.0	Start Configuration	-
Pull-Up Torque	660.692	262.0	Starting Current (A)	-
Breakdown Torque	1366.77	542.0	No-Load Current (A)	-
Full Load	252.173	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	46.94	-	-	-	-
25	37.5	66.5	35.33	3595.2	91.08	0.67
50	75.0	101.33	68.1	3590.6	94.5	0.84
75	112.5	141.18	101.28	3585.8	95.31	0.9
100	150.0	184.27	134.9	3580.8	95.4	0.92
125	187.5	210.93	155.28	3577.7	95.32	0.92

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