NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-445T-4-BR-E-150
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	150.0	150.0
Speed, RPM	1780	1480
Voltage	460	380
# Phase	3	
Full Load Amps	166.595569	200
Power Factor	0.88	-
Nominal Efficiency	95.8	94.3
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	D
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	1941.71	-
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%	94.76	0.77
75%	95.48	0.85
100%	95.52	0.88

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	60.0	-

3D Image Link
BR3-CI-TF-445T-4-BR-E-150

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

GENERAL DATA	
Frame Size	445T
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	1631.7

MECHANICAL DATA	
DE Bearing	6319C3
NDE Bearing	6319C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	DE

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	1962.2	455.0
Pull-Up Torque	983.256	228.0
Breakdown Torque	2005.32	465.0
Full Load Torque	431.253	100.0

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

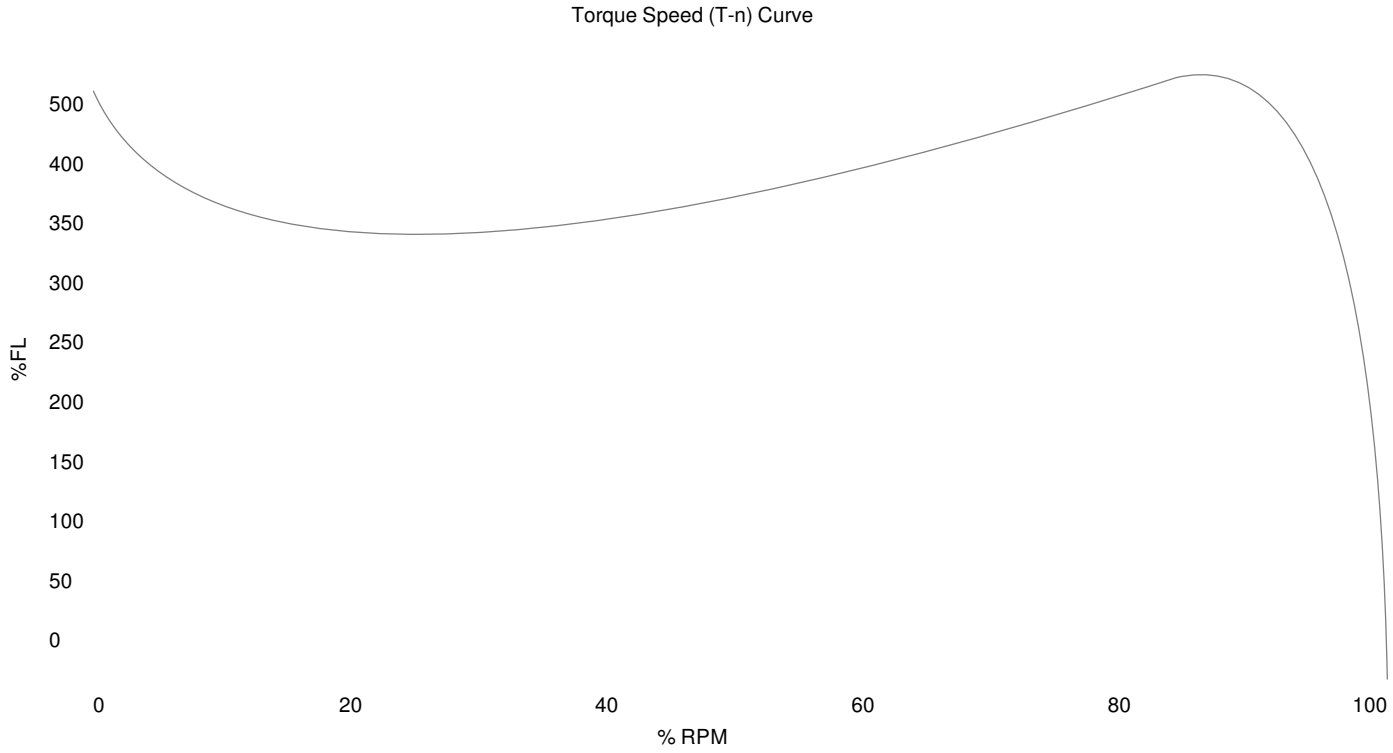
Techtop Industries
2815 Colonnades Court
Peachtree Corners, GA 30071
Tel: 678-436-5540
E-Mail: info@techtopind.com

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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	1962.2	455.0	Start Configuration	-
Pull-Up Torque	983.256	228.0	Starting Current (A)	-
Breakdown Torque	2005.32	465.0	No-Load Current (A)	-
Full Load	431.253	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	65.07	-	-	-	-
25	37.5	78.63	34.53	1797.4	91.59	0.55
50	75.0	109.21	66.75	1794.9	94.76	0.77
75	112.5	146.37	99.37	1792.3	95.48	0.85
100	150.0	187.92	132.44	1789.6	95.52	0.88
125	187.5	214.06	152.51	1787.9	95.39	0.89

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