NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-444T-6-RR-E-100
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	100.0	100.0
Speed, RPM	1180	985
Voltage	460	380
# Phase	3	
Full Load Amps	114.6	139
Power Factor	0.86	-
Nominal Efficiency	95.0	93.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	D
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	850.883	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	-	
Date Code	-	
Load	**Efficiency %**	**P.F.**
50%	94.86	0.79
75%	95.51	0.85
100%	95.48	0.87
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	76.0	-
3D Image Link		
BR3-CI-TF-444T-6-RR-E-100		

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

GENERAL DATA	
Frame Size	444T
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	1589.81
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	974.23	217.0
Pull-Up Torque	682.41	152.0
Breakdown Torque	1117.9	249.0
Full Load Torque	448.954	100.0

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

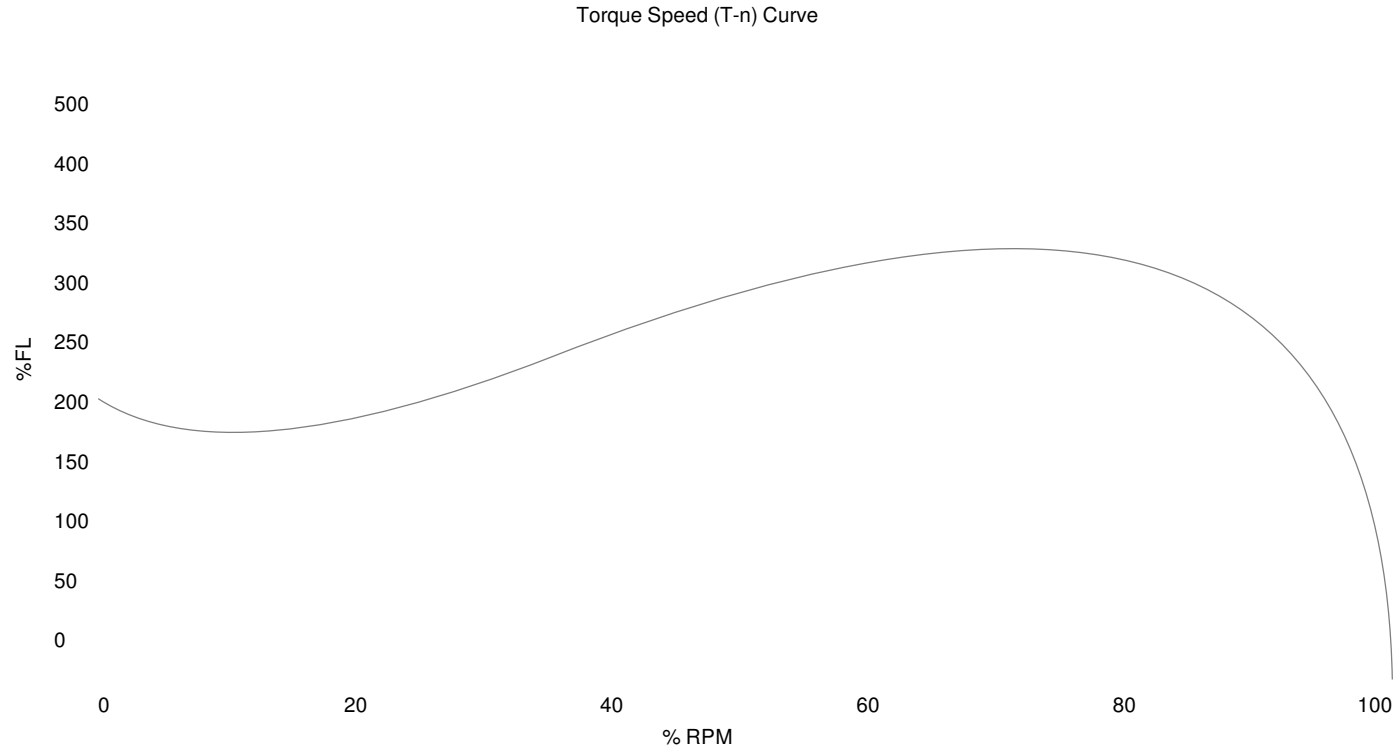
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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	974.23	217.0	Start Configuration	-
Pull-Up Torque	682.41	152.0	Starting Current (A)	-
Breakdown Torque	1117.9	249.0	No-Load Current (A)	-
Full Load	448.954	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	33.69	-	-	-	-
25	25.0	42.21	20.42	1197.9	91.83	0.61
50	50.0	63.12	39.53	1195.9	94.86	0.79
75	75.0	86.98	58.9	1193.8	95.51	0.85
100	100.0	113.33	78.55	1191.3	95.48	0.87
125	125.0	130.16	90.49	1189.8	95.31	0.87

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