NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-447T-4-BR-E-200
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	200.0	200.0
Speed, RPM	1787	-
Voltage	460	380
# Phase	3	
Full Load Amps	217.8	269
Power Factor	0.9012	-
Nominal Efficiency	96.2	94.0
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	G	D
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	1537.67	-
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%	96.239	0.843
75%	96.294	0.892
100%	96.2	0.9012
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	79.4	-
3D Image Link		
BR3-CI-TF-447T-4-BR-E-200		

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

GENERAL DATA	
Frame Size	447T
Frame Enclosure	TEFC
Mounting	Rigid
Insulation Class	F
Duty	Cont. / S1
NEMA Design	B
Frame Material	Cast Iron
Ingress Protection	56
Tropicalization	true
Cable Entry	2-NPT 3"
Feet Removable	-
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	-
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	1322.45	224.0
Pull-Up Torque	655.322	111.0
Breakdown Torque	1151.24	195.0
Full Load Torque	590.38	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	

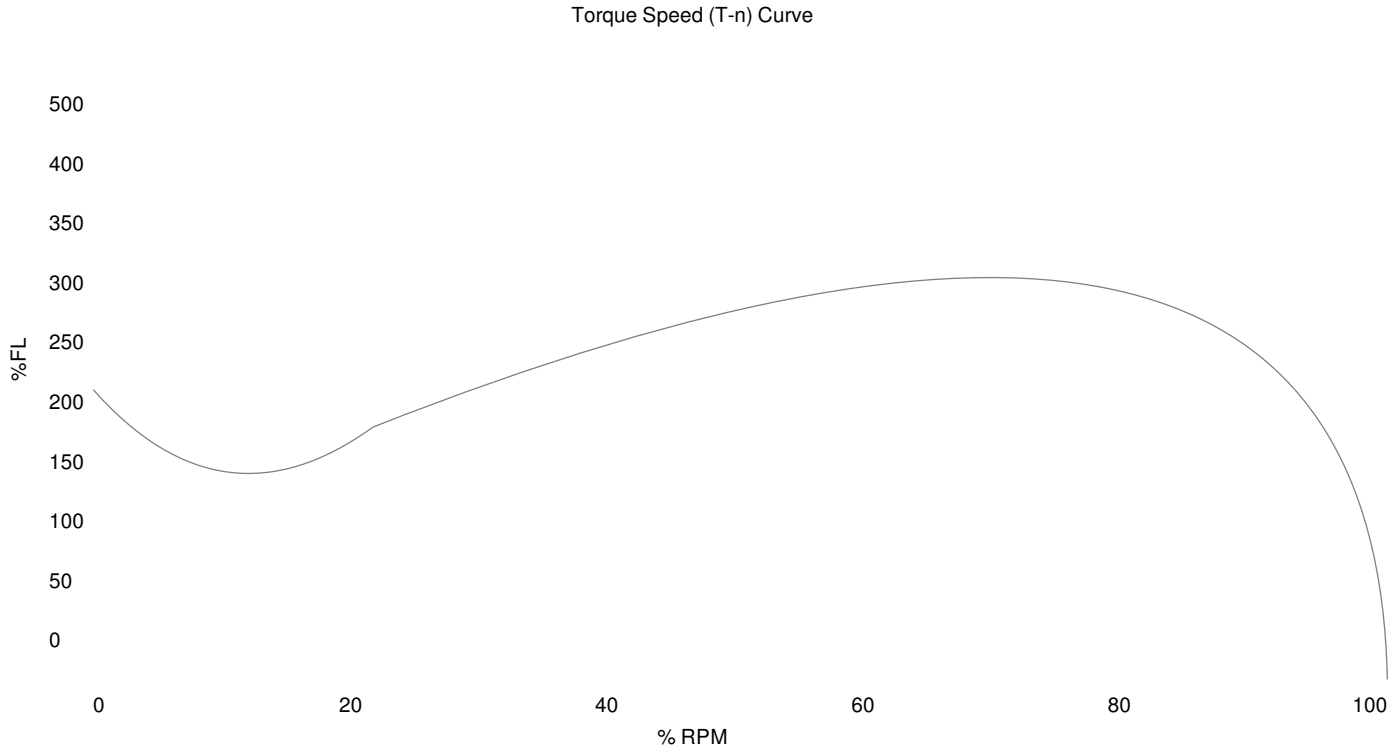
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MOTOR MODEL:	BR3-CI-TF-447T-4-BR-E-200
FACTORY TYPE:	TXC

NEMA

Premium NEMA Cast Iron, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	1322.45	224.0	Start Configuration	-
Pull-Up Torque	655.322	111.0	Starting Current (A)	-
Breakdown Torque	1151.24	195.0	No-Load Current (A)	-
Full Load	590.38	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	51.04	-	-	-	-
25	50.0	73.751	39.616	1796.9	94.659	0.674
50	100.0	116.02	77.93	1794.0	96.239	0.843
75	164.37	116.83	117.4	1790.8	96.294	0.892
100	200.0	217.8	156.38	1787.3	96.2	0.9012
125	250.0	275.25	196.66	1789.4	95.342	0.8968

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