NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-447TC-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	1780	1480
Voltage	460	380
# Phase	3	
Full Load Amps	218.7183825	269
Power Factor	0.89	-
Nominal Efficiency	96.2	94.0
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	D
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	2698.18	-
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%	95.34	0.73
75%	95.83	0.83
100%	95.74	0.87
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	74.0	-
3D Image Link		
BR3-CI-TF-447TC-4-BR-E-200		

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

GENERAL DATA	
Frame Size	447TC
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	2-NPT 3"
Feet Removable	-
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	2055.06
MECHANICAL DATA	
DE Bearing	6319C3
NDE Bearing	6319C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	2627.68	450.0
Pull-Up Torque	1775.14	304.0
Breakdown Torque	2277.32	390.0
Full Load Torque	583.928	100.0

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

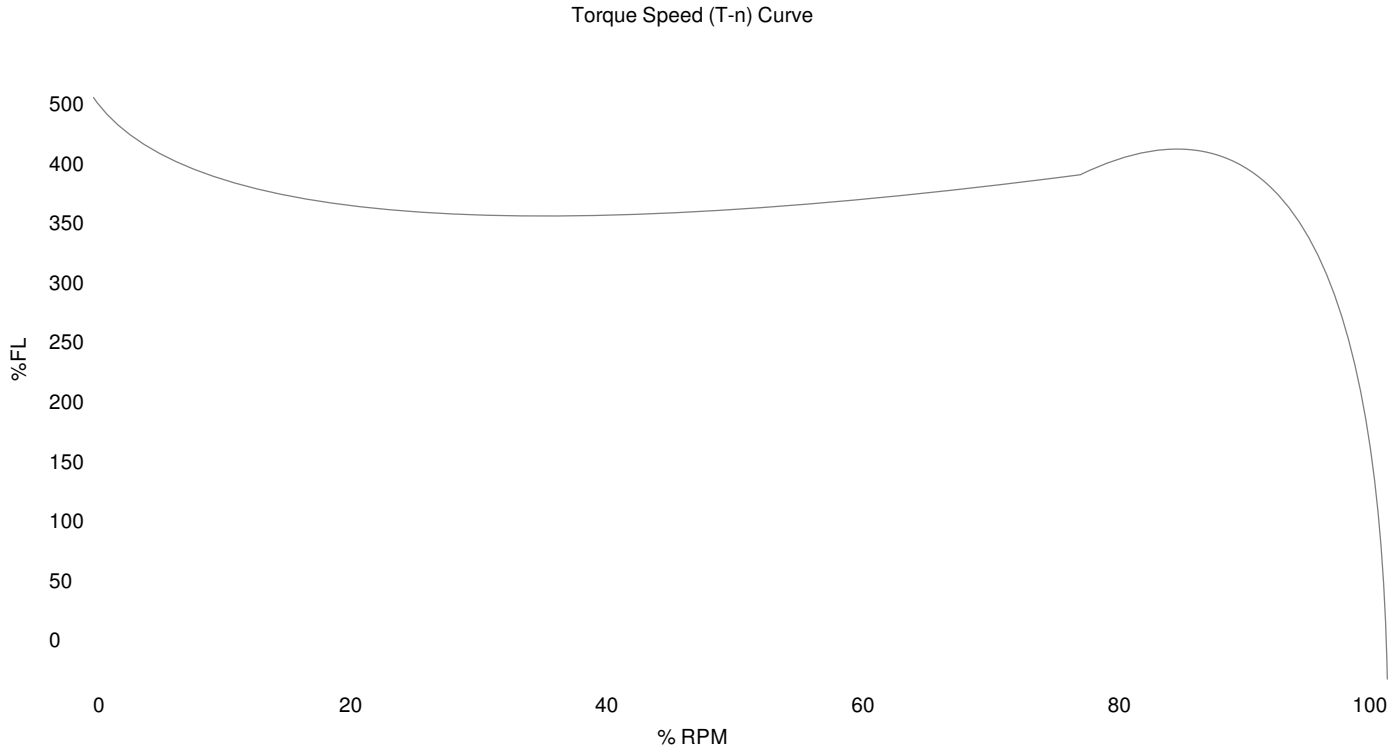
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FACTORY TYPE:	TXC

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Premium NEMA Cast Iron, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	2627.68	450.0	Start Configuration	-
Pull-Up Torque	1775.14	304.0	Starting Current (A)	-
Breakdown Torque	2277.32	390.0	No-Load Current (A)	-
Full Load	583.928	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	84.68	-	-	-	-
25	50.0	100.46	40.44	1797.7	92.73	0.51
50	100.0	134.85	78.67	1795.5	95.34	0.73
75	150.0	177.4	117.4	1793.2	95.83	0.83
100	200.0	225.59	156.67	1790.9	95.74	0.87
125	250.0	256.15	180.49	1789.4	95.57	0.88

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