



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	-	-
Locked Rotor Current	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		

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 Wk ² , Lb-Ft ²	-			
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			

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

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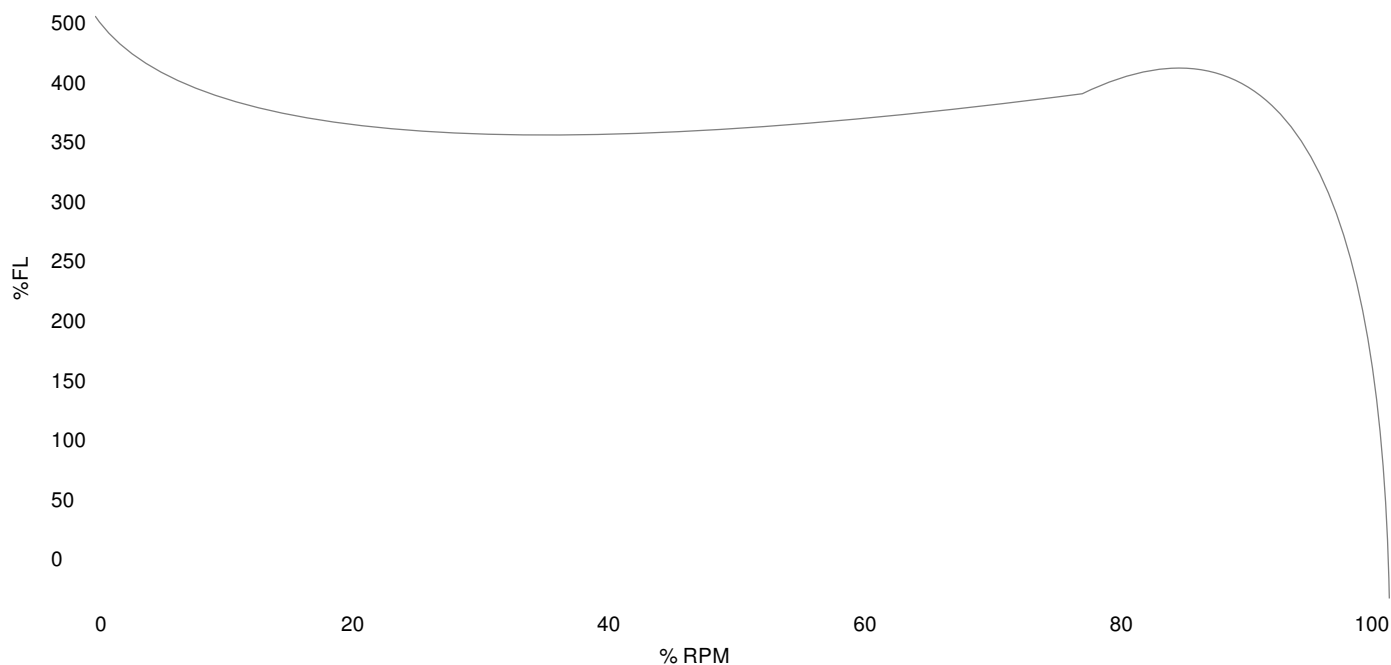
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Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 200.0HP, 1780 RPM

Torque Speed (T-n) Curve



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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