



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	BR3-CI-TF-324TC-6-BR-E-25
<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	25.0	25.0
Speed, RPM	1180	965
Voltage	460	380
# Phase	3	
Full Load Amps	31.9	-
Power Factor	0.81	-
Nominal Efficiency	93.0	90.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	M	E
FL Amps. @ 208 V	-	-
Locked Rotor Current	361.401	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	91.71	0.64
75%	92.78	0.76
100%	92.81	0.82
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	52.0	-
3D Image Link		
Not available for this motor		

GENERAL DATA				
Frame Size	324TC			
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	1-NPT 2"			
Feet Removable	true			
Double Drilled	-			
Paint Color	Graphite Gray			
Paint RAL	7024			
Weight lb	500.535			
MECHANICAL DATA				
DE Bearing	6312C3			
NDE Bearing	6312C3			
dB No-Load	-			
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-			
Comp Ring (wavey washer)	-			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	374.193	338.0		
Pull-Up Torque	218.095	197.0		
Breakdown Torque	464.974	420.0		
Full Load Torque	110.708	100.0		
SITE CONDITIONS				
Ambient Temp °C	40			
Altitude Above Sea Level m	1000			



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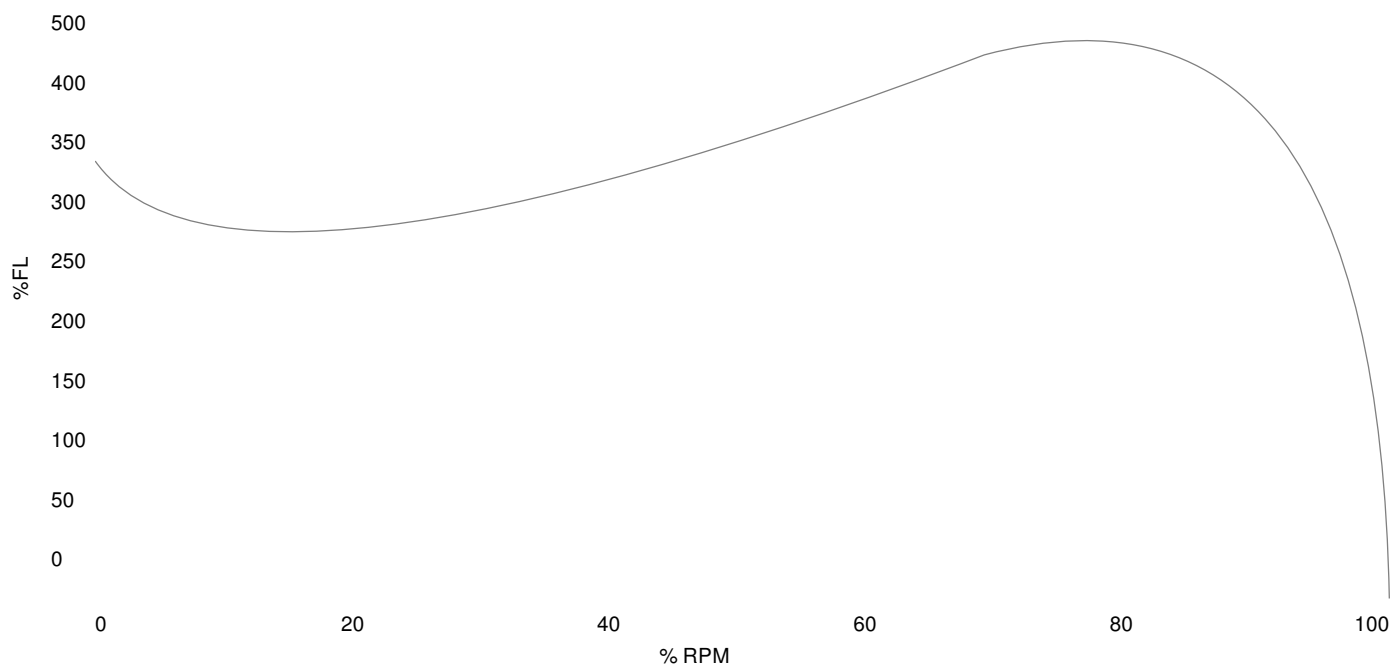
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<b>FACTORY TYPE:</b>	TXC

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 25.0HP, 1180 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	374.193	338.0	Start Configuration
Pull-Up Torque	218.095	197.0	Starting Current (A)
Breakdown Torque	464.974	420.0	No-Load Current (A)
Full Load	110.708	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	14.61	-	-	-	-
25	6.25	16.05	5.35	1196.5	86.95	0.42
50	12.5	19.84	10.14	1193.1	91.71	0.64
75	18.75	24.87	15.04	1189.5	92.78	0.76
100	25.0	30.81	20.04	1185.7	92.81	0.82
125	31.25	34.69	23.1	1183.3	92.58	0.84

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