



NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-364TS-2-BR-E-60
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	60.0	60.0
Speed, RPM	3560	2940
Voltage	460	380
# Phase	3	
Full Load Amps	67.5	-
Power Factor	0.89	-
Nominal Efficiency	93.6	91.2
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	L	E
FL Amps. @ 208 V	-	-
Locked Rotor Current	718.468	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	-	
Load	Efficiency %	P.F.
50%	90.17	0.79
75%	92.28	0.87
100%	93.07	0.89
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	49.0	-
3D Image Link		
BR3-CI-TF-364TS-2-BR-E-60		

GENERAL DATA			
Frame Size	364TS		
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 2"		
Feet Removable	-		
Double Drilled	-		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	761.828		
MECHANICAL DATA			
DE Bearing	6313C3		
NDE Bearing	6313C3		
dB No-Load	-		
Rotor Wk ² , Lb-Ft ²	-		
Comp Ring (wavy washer)	DE		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque	382.352	432.0	
Pull-Up Torque	151.348	171.0	
Breakdown Torque	318.627	360.0	
Full Load Torque	88.5075	100.0	
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		



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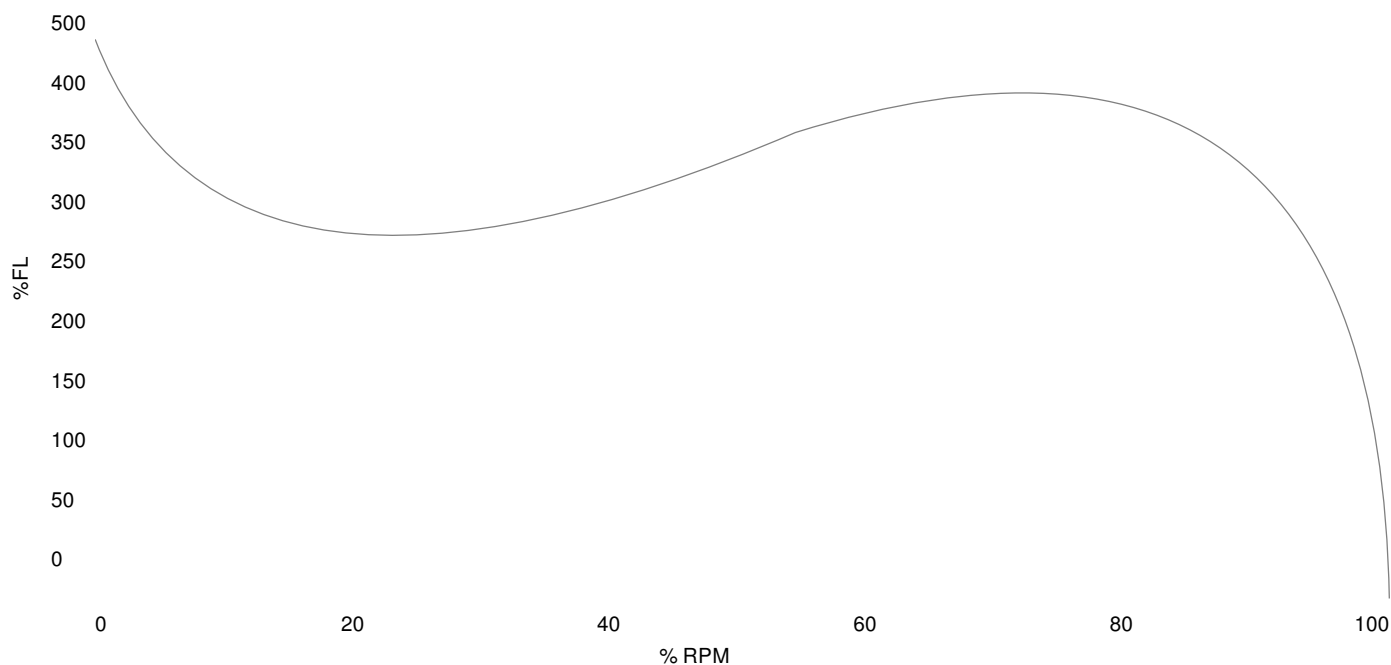
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Non Sinusoidal (VFD) Output 60.0HP, 3560 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	382.352	432.0	Start Configuration
Pull-Up Torque	151.348	171.0	Starting Current (A)
Breakdown Torque	318.627	360.0	No-Load Current (A)
Full Load	88.5075	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	21.45	-	-	-	-
25	15.0	27.65	13.48	3593.7	83.47	0.61
50	30.0	39.47	24.95	3587.9	90.17	0.79
75	45.0	53.0	36.57	3581.7	92.28	0.87
100	60.0	67.84	48.35	3575.2	93.07	0.89
125	75.0	83.6	60.3	3568.4	93.29	0.91

Techtop Industries
 2815 Colonnades Court
 Peachtree Corners, GA 30071
 Tel: 678-436-5540
 E-Mail: info@techttopind.com