



NEMA Premium

**NEMA**

<b>MOTOR MODEL:</b>	BR3-CI-TF-364T-4-BR-E-60
<b>FACTORY TYPE:</b>	TXC

### Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	60.0	60.0
Speed, RPM	1775	1465
Voltage	460	380
# Phase	3	
Full Load Amps	69.4	83
Power Factor	0.86	-
Nominal Efficiency	95.0	92.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	L	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	664.692	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	94.31	0.77
75%	94.89	0.85
100%	94.77	0.88
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	55.0	-
3D Image Link		
<a href="#">BR3-CI-TF-364T-4-BR-E-60</a>		

GENERAL DATA				
Frame Size	364T			
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	782.775			
MECHANICAL DATA				
DE Bearing	6313C3			
NDE Bearing	6313C3			
dB No-Load	-			
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-			
Comp Ring (wavy washer)	DE			
TORQUE VALUES			Torque lb-ft	% FLT
Locked Rotor Torque	542.343		306.0	
Pull-Up Torque	368.651		208.0	
Breakdown Torque	600.831		339.0	
Full Load Torque	177.236		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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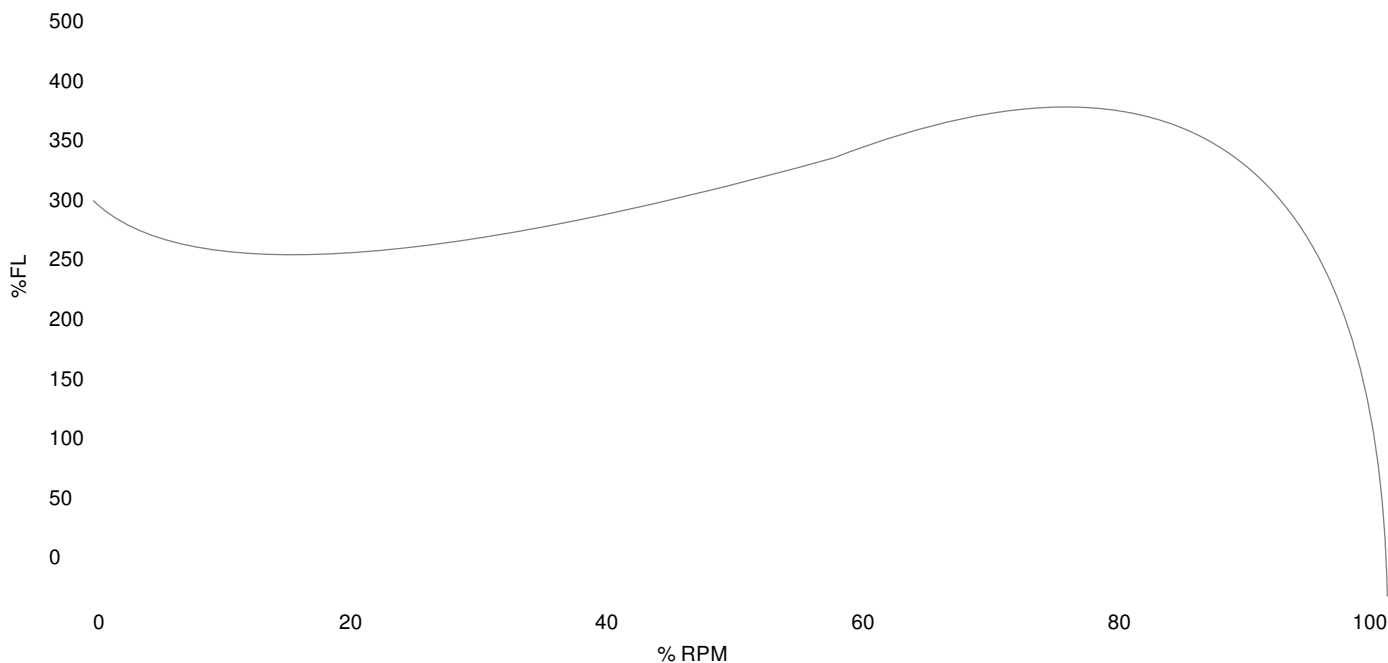
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Premium NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	542.343	306.0	Start Configuration
Pull-Up Torque	368.651	208.0	Starting Current (A)
Breakdown Torque	600.831	339.0	No-Load Current (A)
Full Load	177.236	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	22.39	-	-	-	-
25	15.0	27.61	12.34	1796.1	91.2	0.56
50	30.0	38.98	23.86	1792.3	94.31	0.77
75	45.0	52.43	35.57	1788.2	94.89	0.85
100	60.0	67.55	47.48	1783.9	94.77	0.88
125	75.0	83.89	59.63	1779.4	94.34	0.89

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