NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-364T-4-BR-E-60
FACTORY TYPE:	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		
BR3-CI-TF-364T-4-BR-E-60		

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

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 Wk², Lb-Ft²	-
Comp Ring (wavey 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	

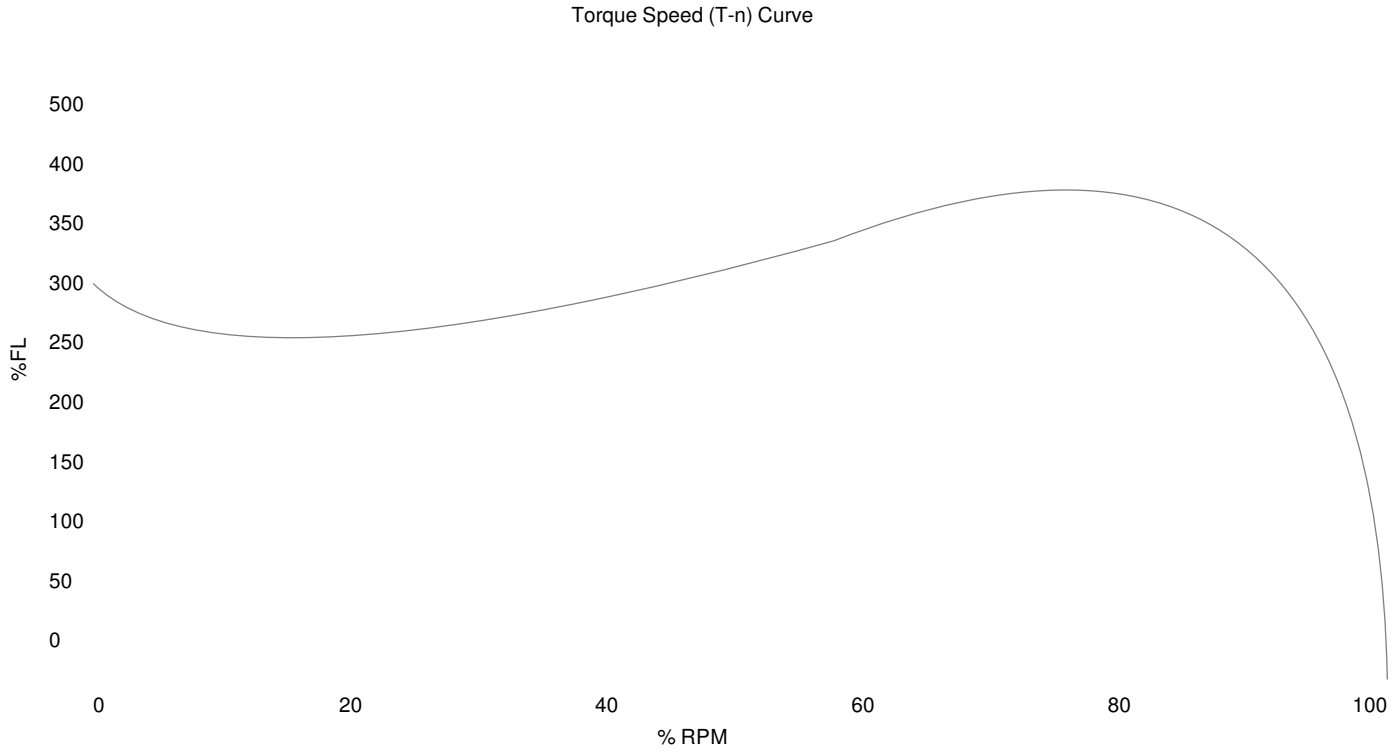
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FACTORY TYPE:	TXC

NEMA

Premium NEMA Cast Iron, TEFC



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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