NEMA Premium

MOTOR MODEL:	BR3-CI-TF-404T-6-RR-E-60
FACTORY TYPE:	TXC

NEMA

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	60.0	60.0
Speed, RPM	1185	980
Voltage	460	380
# Phase	3	
Full Load Amps	70.0	83
Power Factor	0.85	-
Nominal Efficiency	94.5	92.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	J	E
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	551.432	-
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%	93.05	0.74
75%	94.06	0.83
100%	94.14	0.86

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	64.0	-

3D Image Link
BR3-CI-TF-404T-6-RR-E-60

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

GENERAL DATA	
Frame Size	404T
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 3"
Feet Removable	-
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	975.713

MECHANICAL DATA	
DE Bearing	NU316
NDE Bearing	6314C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	None

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	636.28	237.0
Pull-Up Torque	338.276	126.0
Breakdown Torque	644.334	240.0
Full Load Torque	268.473	100.0

SITE CONDITIONS	
Ambient Temp °C	40
Altitude Above Sea Level m	1000

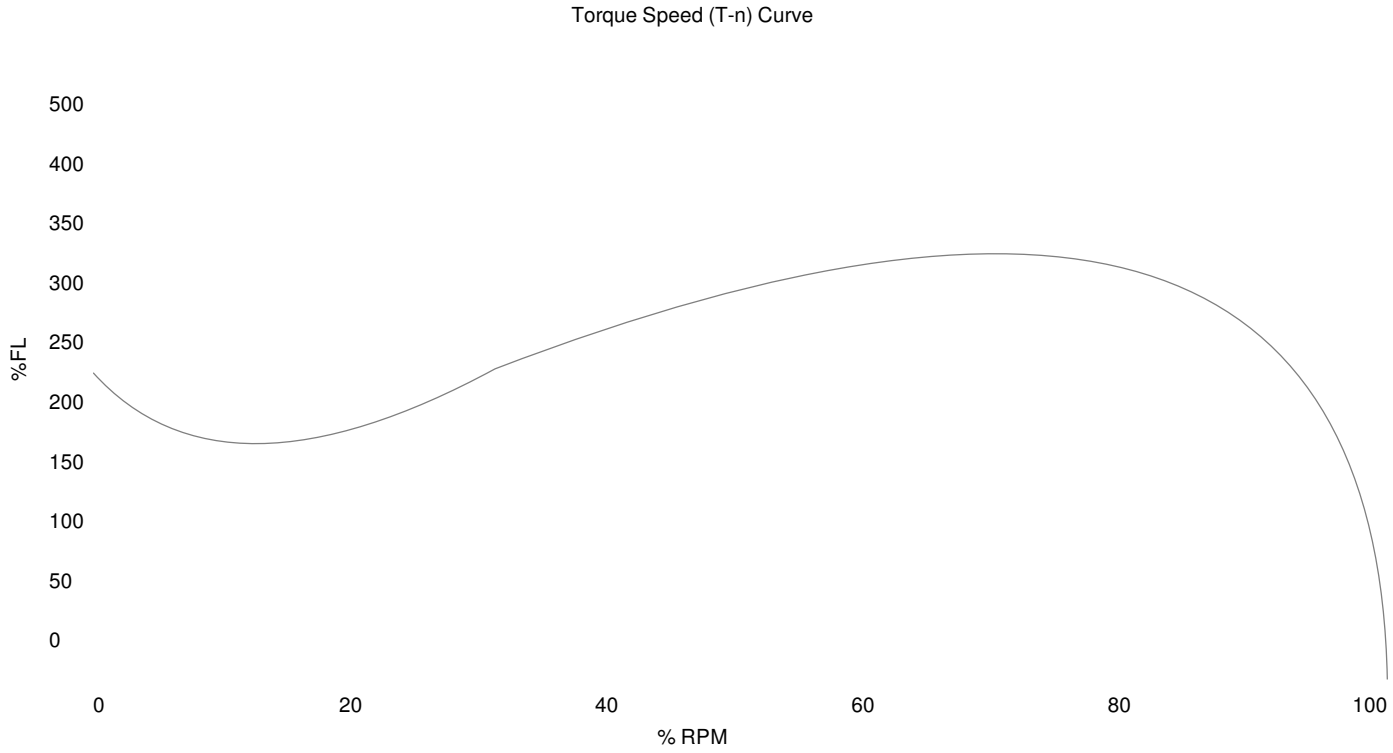
Techtop Industries
2815 Colonnades Court
Peachtree Corners, GA 30071
Tel: 678-436-5540
E-Mail: info@techtopind.com

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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	636.28	237.0	Start Configuration	-
Pull-Up Torque	338.276	126.0	Starting Current (A)	-
Breakdown Torque	644.334	240.0	No-Load Current (A)	-
Full Load	268.473	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	24.92	-	-	-	-
25	15.0	29.93	12.66	1196.9	88.86	0.53
50	30.0	40.96	24.18	1193.9	93.05	0.74
75	45.0	54.47	35.88	1190.5	94.06	0.83
100	60.0	69.89	47.8	1186.9	94.14	0.86
125	75.0	79.81	55.06	1184.6	93.99	0.87

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