NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-256TC-4-BR-E-20
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	20.0	20.0
Speed, RPM	1760	1450
Voltage	460	380
# Phase	3	
Full Load Amps	23.5	-
Power Factor	0.83	-
Nominal Efficiency	93.0	88.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	K	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	211.318	-
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%	91.95	0.74
75%	92.77	0.83
100%	92.58	0.87

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	51.0	-

3D Image Link
BR3-CI-TF-256TC-4-BR-E-20

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

GENERAL DATA	
Frame Size	256TC
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 1-1/4"
Feet Removable	true
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	330.75

MECHANICAL DATA	
DE Bearing	6309C3
NDE Bearing	6309C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	166.907	280.0
Pull-Up Torque	122.796	206.0
Breakdown Torque	209.826	352.0
Full Load Torque	59.6098	100.0

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

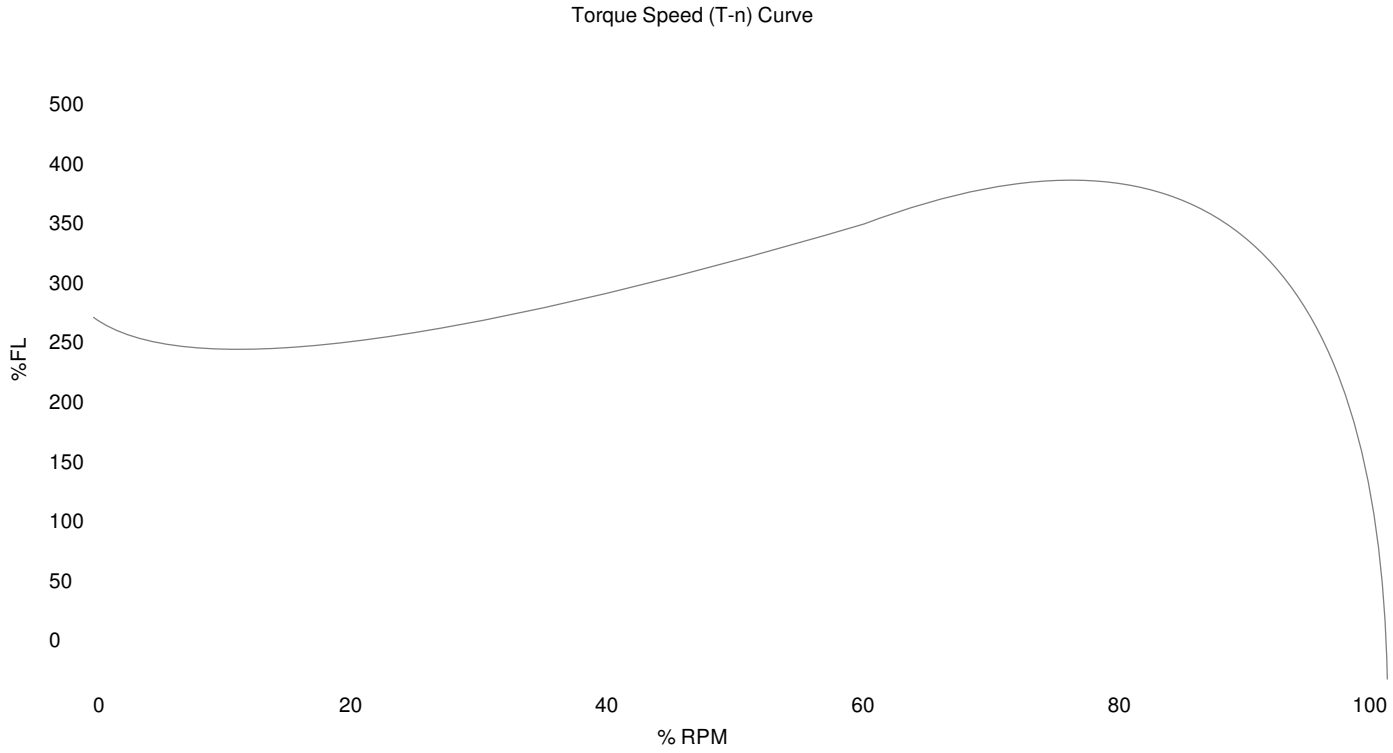
Techtop Industries
2815 Colonnades Court
Peachtree Corners, GA 30071
Tel: 678-436-5540
E-Mail: info@techtopind.com

NEMA Premium

MOTOR MODEL:	BR3-CI-TF-256TC-4-BR-E-20
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	166.907	280.0	Start Configuration	-
Pull-Up Torque	122.796	206.0	Starting Current (A)	-
Breakdown Torque	209.826	352.0	No-Load Current (A)	-
Full Load	59.6098	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	8.72	-	-	-	-
25	5.0	10.25	4.28	1793.3	87.68	0.52
50	10.0	13.84	8.16	1786.6	91.95	0.74
75	15.0	18.28	12.13	1779.4	92.77	0.83
100	20.0	23.35	16.2	1771.7	92.58	0.87
125	25.0	28.86	20.39	1763.5	91.95	0.89

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