NEMA Premium

MOTOR MODEL:	BR3-CI-TF-326TSC-2-BR-E-50
FACTORY TYPE:	TXC

NEMA

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	50.0	50.0
Speed, RPM	3560	2940
Voltage	460	380
# Phase	3	
Full Load Amps	58.8	-
Power Factor	0.9	-
Nominal Efficiency	93.0	91.2
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	H	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	467.239	-
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%	92.58	0.81
75%	93.66	0.88
100%	93.76	0.9

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	63.0	-

3D Image Link
BR3-CI-TF-326TSC-2-BR-E-50

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

GENERAL DATA	
Frame Size	326TSC
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 2"
Feet Removable	true
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	529.2

MECHANICAL DATA	
DE Bearing	6312C3
NDE Bearing	6312C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	227.048	306.0
Pull-Up Torque	128.364	173.0
Breakdown Torque	225.564	304.0
Full Load Torque	74.1988	100.0

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

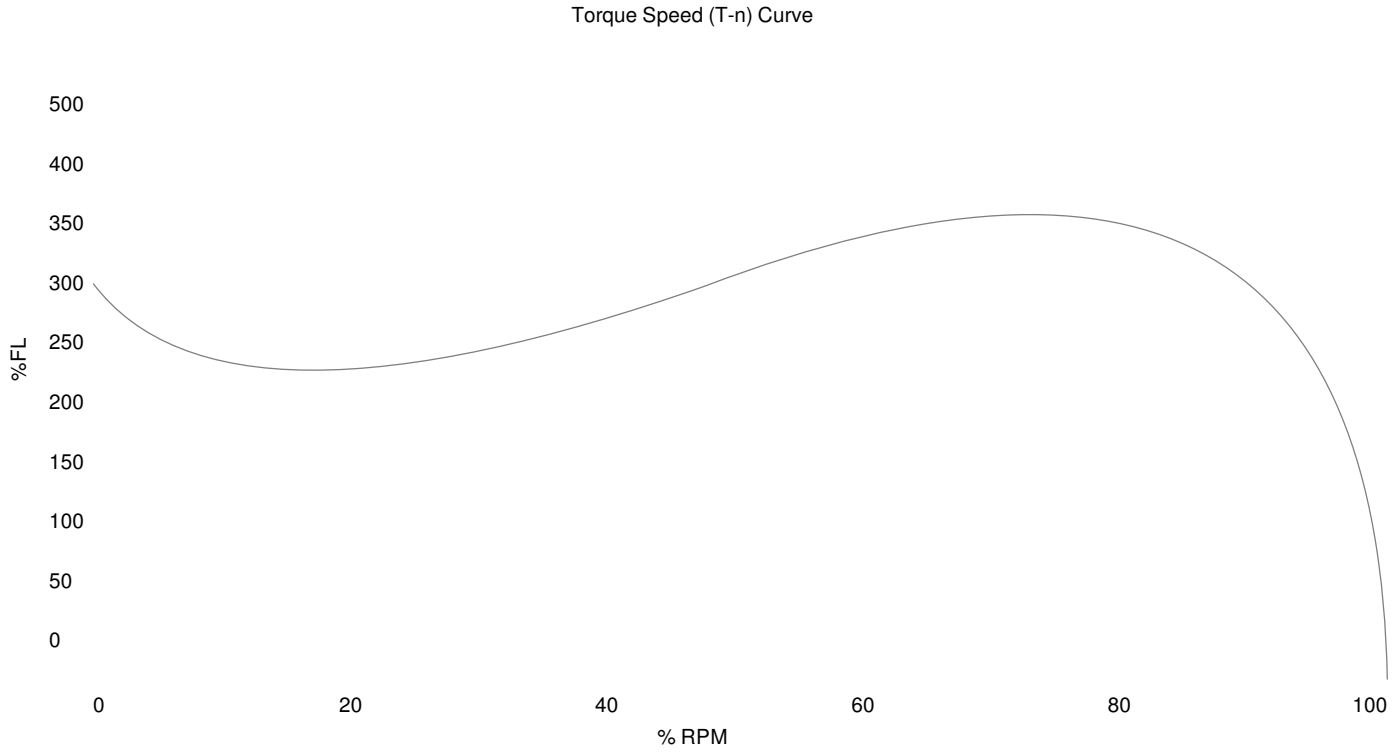
Techtop Industries
2815 Colonnades Court
Peachtree Corners, GA 30071
Tel: 678-436-5540
E-Mail: info@techtopind.com

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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	227.048	306.0	Start Configuration	-
Pull-Up Torque	128.364	173.0	Starting Current (A)	-
Breakdown Torque	225.564	304.0	No-Load Current (A)	-
Full Load	74.1988	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	15.79	-	-	-	-
25	12.5	20.77	10.58	3591.0	88.13	0.64
50	25.0	31.09	20.14	3582.2	92.58	0.81
75	37.5	42.8	29.87	3572.7	93.66	0.88
100	50.0	55.69	39.78	3562.4	93.76	0.9
125	62.5	69.53	49.9	3551.4	93.44	0.9

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