NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-324TC-4-BR-E-40
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	40.0	40.0
Speed, RPM	1770	1460
Voltage	460	380
# Phase	3	
Full Load Amps	47.1	-
Power Factor	0.86	-
Nominal Efficiency	94.1	91.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	496.313	-
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%	93.22	0.73
75%	93.77	0.82
100%	93.48	0.86

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	78.0	-

3D Image Link
BR3-CI-TF-324TC-4-BR-E-40

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

GENERAL DATA	
Frame Size	324TC
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	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	539.122

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	430.673	317.0
Pull-Up Torque	249.98	184.0
Breakdown Torque	400.784	295.0
Full Load Torque	135.859	100.0

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

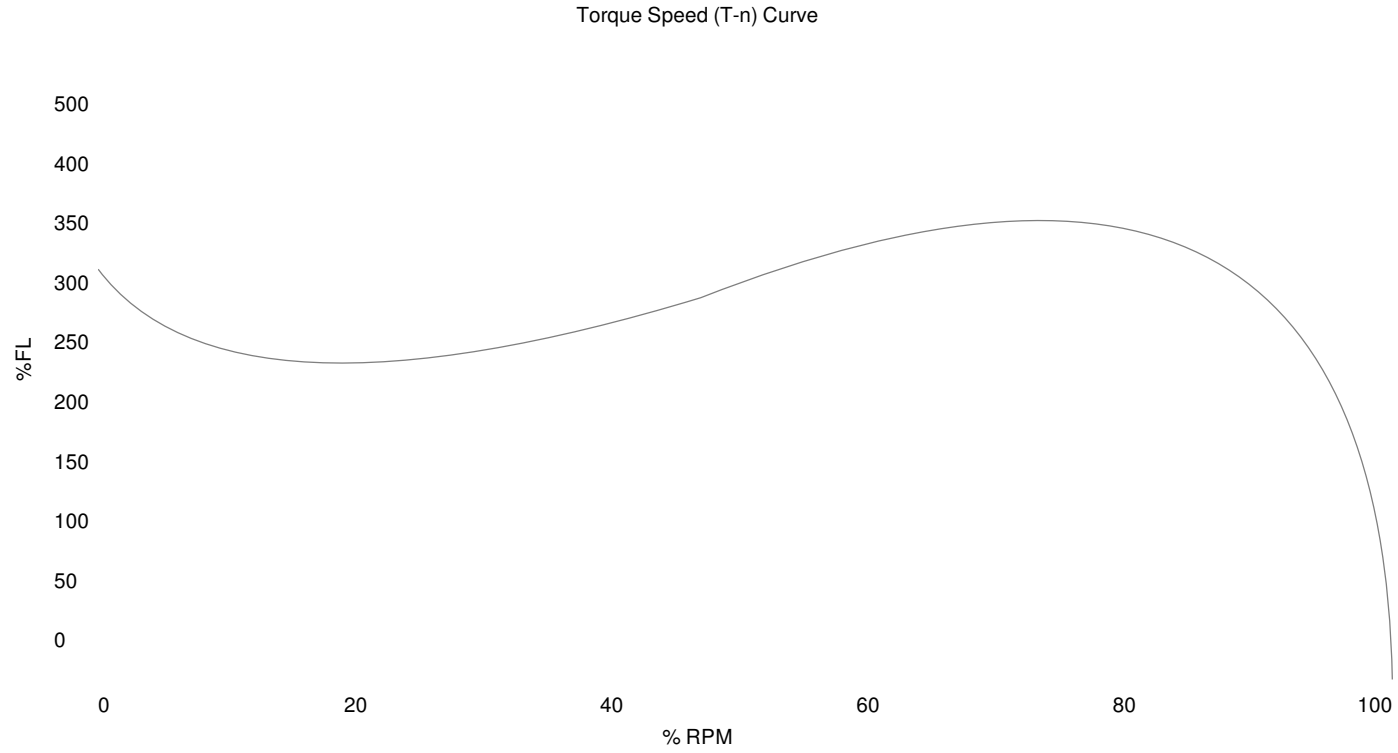
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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	430.673	317.0	Start Configuration	-
Pull-Up Torque	249.98	184.0	Starting Current (A)	-
Breakdown Torque	400.784	295.0	No-Load Current (A)	-
Full Load	135.859	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	20.61	-	-	-	-
25	10.0	23.81	9.61	1795.1	89.75	0.51
50	20.0	31.86	18.5	1790.4	93.22	0.73
75	30.0	42.04	27.59	1785.3	93.77	0.82
100	40.0	53.83	36.91	1779.7	93.48	0.86
125	50.0	66.72	46.47	1773.8	92.81	0.87

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