NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-365TC-4-BR-E-75
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	75.0	75.0
Speed, RPM	1775	1465
Voltage	460	380
# Phase	3	
Full Load Amps	86.2	-
Power Factor	0.87	-
Nominal Efficiency	95.4	92.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	L	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	829.228	-
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%	94.91	0.78
75%	95.51	0.85
100%	95.47	0.89

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	62.0	-

3D Image Link
BR3-CI-TF-365TC-4-BR-E-75

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

GENERAL DATA	
Frame Size	365TC
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	-
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	873.18

MECHANICAL DATA	
DE Bearing	6313C3
NDE Bearing	6313C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	734.712	328.0
Pull-Up Torque	369.596	165.0
Breakdown Torque	665.273	297.0
Full Load Torque	223.998	100.0

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

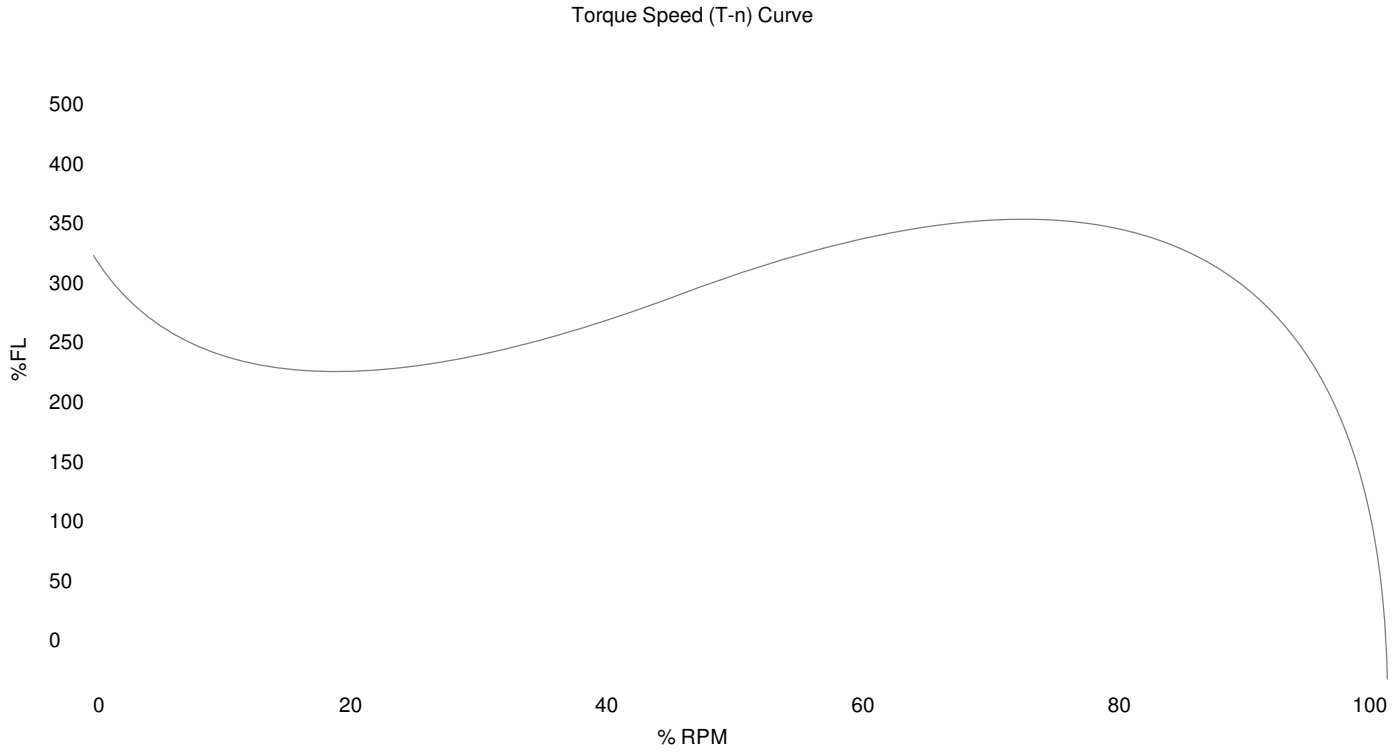
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FACTORY TYPE:	TXC

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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	734.712	328.0	Start Configuration	-
Pull-Up Torque	369.596	165.0	Starting Current (A)	-
Breakdown Torque	665.273	297.0	No-Load Current (A)	-
Full Load	223.998	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	27.82	-	-	-	-
25	18.75	32.3	15.16	1795.3	92.0	0.59
50	37.5	47.4	29.4	1790.9	94.91	0.78
75	56.25	64.34	43.82	1786.2	95.51	0.85
100	75.0	82.84	58.45	1781.2	95.47	0.89
125	93.75	102.61	73.31	1775.9	95.15	0.9

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