NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-365TSC-2-BR-E-75
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	75.0	75.0
Speed, RPM	3560	2940
Voltage	460	380
# Phase	3	
Full Load Amps	84.3	-
Power Factor	0.9	-
Nominal Efficiency	93.6	91.2
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	K	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	941.877	-
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%	92.53	0.83
75%	93.68	0.89
100%	93.68	0.89

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	62.0	-

3D Image Link
BR3-CI-TF-365TSC-2-BR-E-75

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

GENERAL DATA	
Frame Size	365TSC
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	784.98

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	447.777	408.0
Pull-Up Torque	210.719	192.0
Breakdown Torque	409.365	373.0
Full Load Torque	109.749	100.0

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

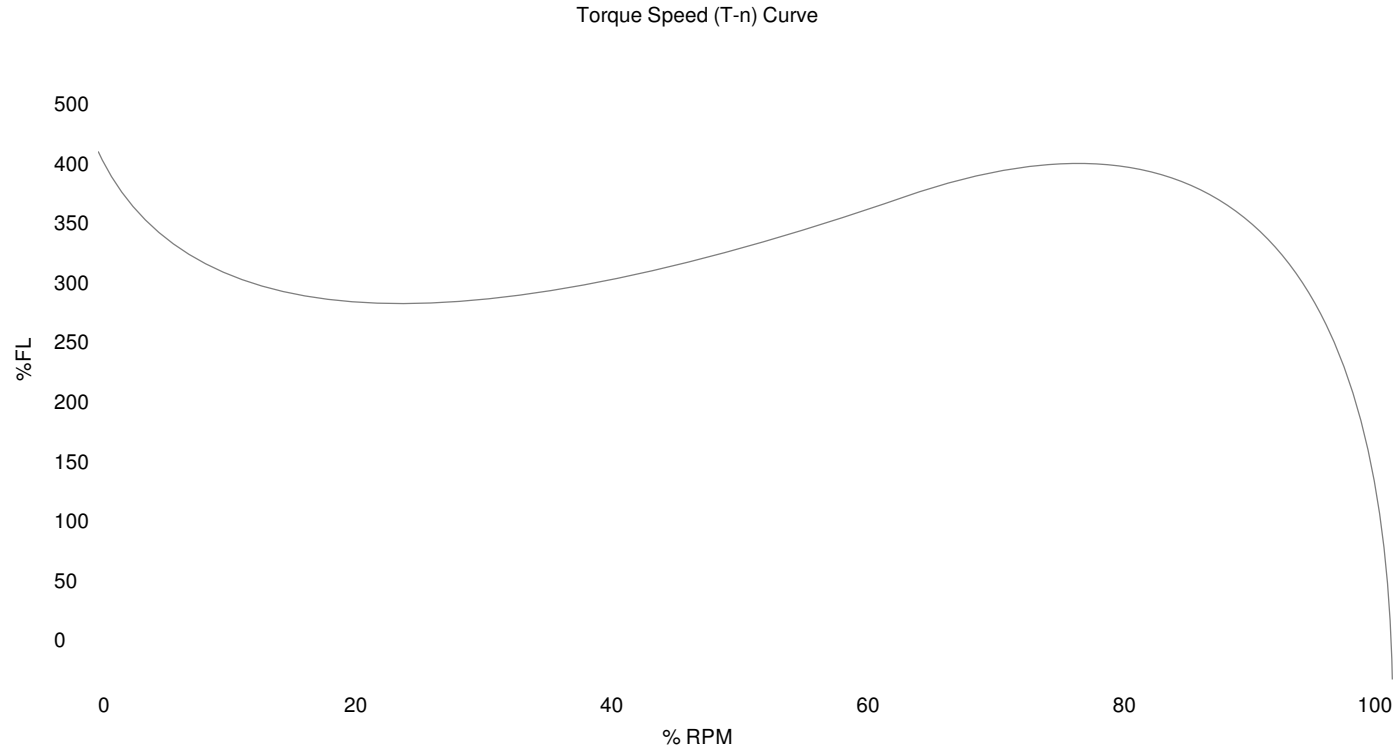
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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	447.777	408.0	Start Configuration	-
Pull-Up Torque	210.719	192.0	Starting Current (A)	-
Breakdown Torque	409.365	373.0	No-Load Current (A)	-
Full Load	109.749	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	21.47	-	-	-	-
25	18.75	29.98	15.92	3593.2	87.92	0.67
50	37.5	45.56	30.26	3586.7	92.53	0.83
75	56.25	63.16	44.83	3579.8	93.68	0.89
100	75.0	63.16	44.83	3579.8	93.68	0.89
125	93.75	102.35	74.74	3565.1	93.66	0.92

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