NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-365TC-6-BR-E-50
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	50.0	50.0
Speed, RPM	1180	980
Voltage	460	380
# Phase	3	
Full Load Amps	59.2	-
Power Factor	0.84	-
Nominal Efficiency	94.1	92.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	E
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	550.05	-
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%	93.37	0.72
75%	94.14	0.82
100%	94.07	0.86

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	66.0	-

3D Image Link
BR3-CI-TF-365TC-6-BR-E-50

*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	791.595

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	668.461	301.0
Pull-Up Torque	406.406	183.0
Breakdown Torque	708.435	319.0
Full Load Torque	222.08	100.0

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

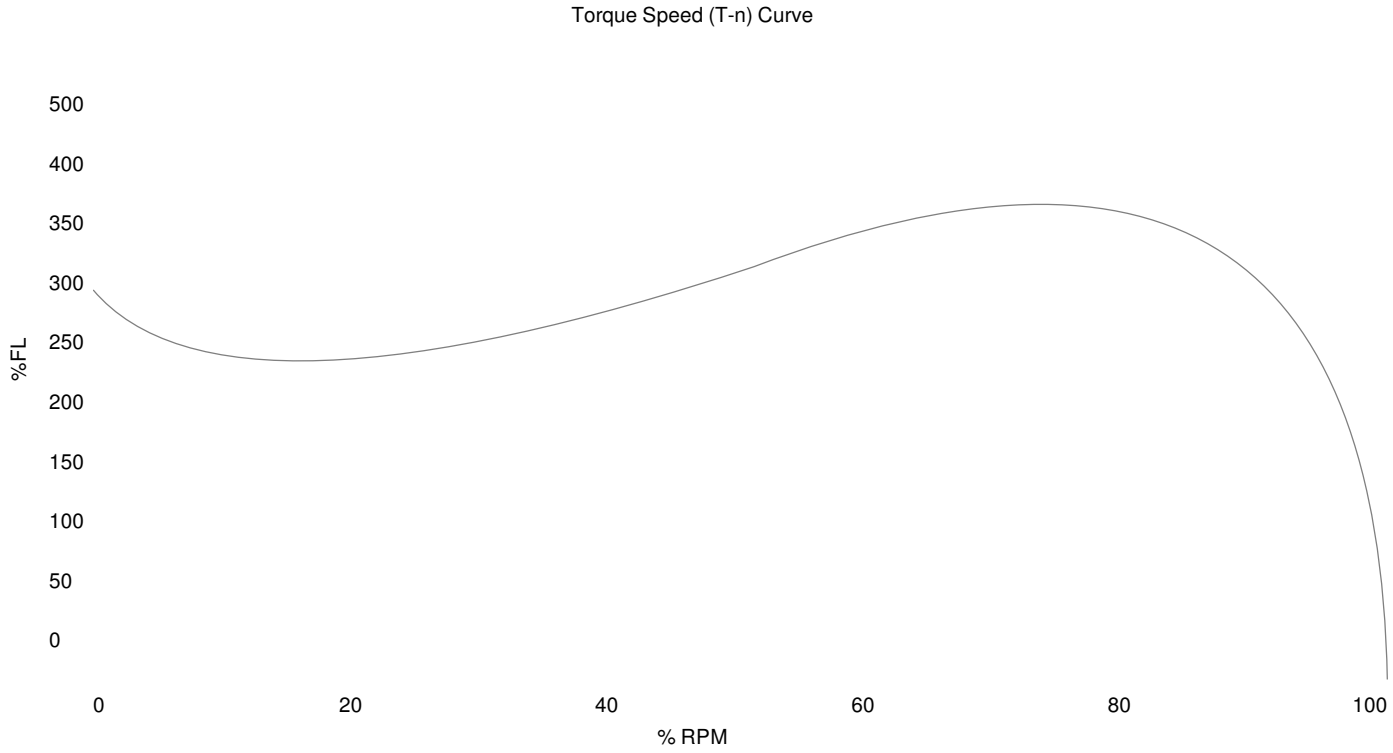
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FACTORY TYPE:	TXC

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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	668.461	301.0	Start Configuration	-
Pull-Up Torque	406.406	183.0	Starting Current (A)	-
Breakdown Torque	708.435	319.0	No-Load Current (A)	-
Full Load	222.08	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	22.36	-	-	-	-
25	12.5	25.93	10.41	1196.8	89.62	0.5
50	25.0	34.69	19.98	1193.9	93.37	0.72
75	37.5	45.51	29.72	1190.7	94.14	0.82
100	50.0	57.9	39.65	1187.3	94.07	0.86
125	62.5	71.36	49.8	1183.7	93.63	0.88

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