NEMA Premium

MOTOR MODEL:	BR3-CI-TF-405T-6-RR-E-75
FACTORY TYPE:	TXC

NEMA

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	75.0	75.0
Speed, RPM	1185	980
Voltage	460	380
# Phase	3	
Full Load Amps	87.7	104
Power Factor	0.86	-
Nominal Efficiency	94.5	92.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	E
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	647.032	-
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%	94.05	0.76
75%	94.57	0.84
100%	94.33	0.86

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	65.0	-

3D Image Link
BR3-CI-TF-405T-6-RR-E-75

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

GENERAL DATA	
Frame Size	405T
Frame Enclosure	TEFC
Mounting	Rigid
Insulation Class	F
Duty	Cont. / S1
NEMA Design	A
Frame Material	Cast Iron
Ingress Protection	56
Tropicalization	true
Cable Entry	1-NPT 3"
Feet Removable	-
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	1045.17

MECHANICAL DATA	
DE Bearing	NU316
NDE Bearing	6314C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	None

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	715.421	220.0
Pull-Up Torque	419.497	129.0
Breakdown Torque	822.734	253.0
Full Load Torque	325.191	100.0

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

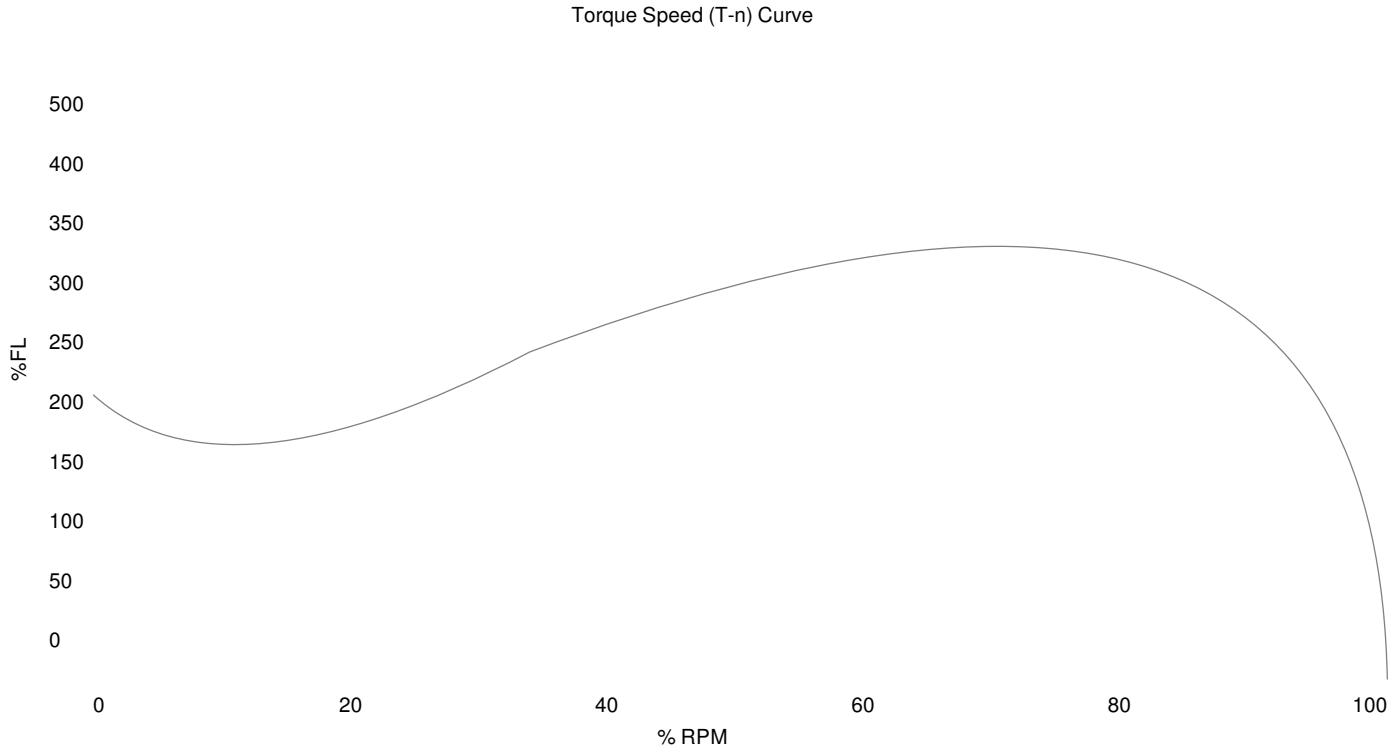
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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	715.421	220.0	Start Configuration	-
Pull-Up Torque	419.497	129.0	Starting Current (A)	-
Breakdown Torque	822.734	253.0	No-Load Current (A)	-
Full Load	325.191	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	28.81	-	-	-	-
25	18.75	33.99	15.12	1197.0	90.93	0.56
50	37.5	48.23	29.24	1194.2	94.05	0.76
75	56.25	65.25	43.62	1191.1	94.57	0.84
100	75.0	84.69	58.31	1187.6	94.33	0.86
125	93.75	106.15	73.34	1183.7	93.74	0.87

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