NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-284TC-6-BR-E-15
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	15.0	15.0
Speed, RPM	1175	965
Voltage	460	380
# Phase	3	
Full Load Amps	19.3	-
Power Factor	0.8	-
Nominal Efficiency	91.7	89.1
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	M	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	203.894	-
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%	89.62	0.58
75%	91.24	0.71
100%	91.52	0.78

FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	46.0	-

3D Image Link
BR3-CI-TF-284TC-6-BR-E-15

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

GENERAL DATA	
Frame Size	284TC
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 1-1/2"
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	363.825

MECHANICAL DATA	
DE Bearing	6311C3
NDE Bearing	6311C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	-

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	220.176	326.0
Pull-Up Torque	96.5801	143.0
Breakdown Torque	268.128	397.0
Full Load Torque	67.5386	100.0

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

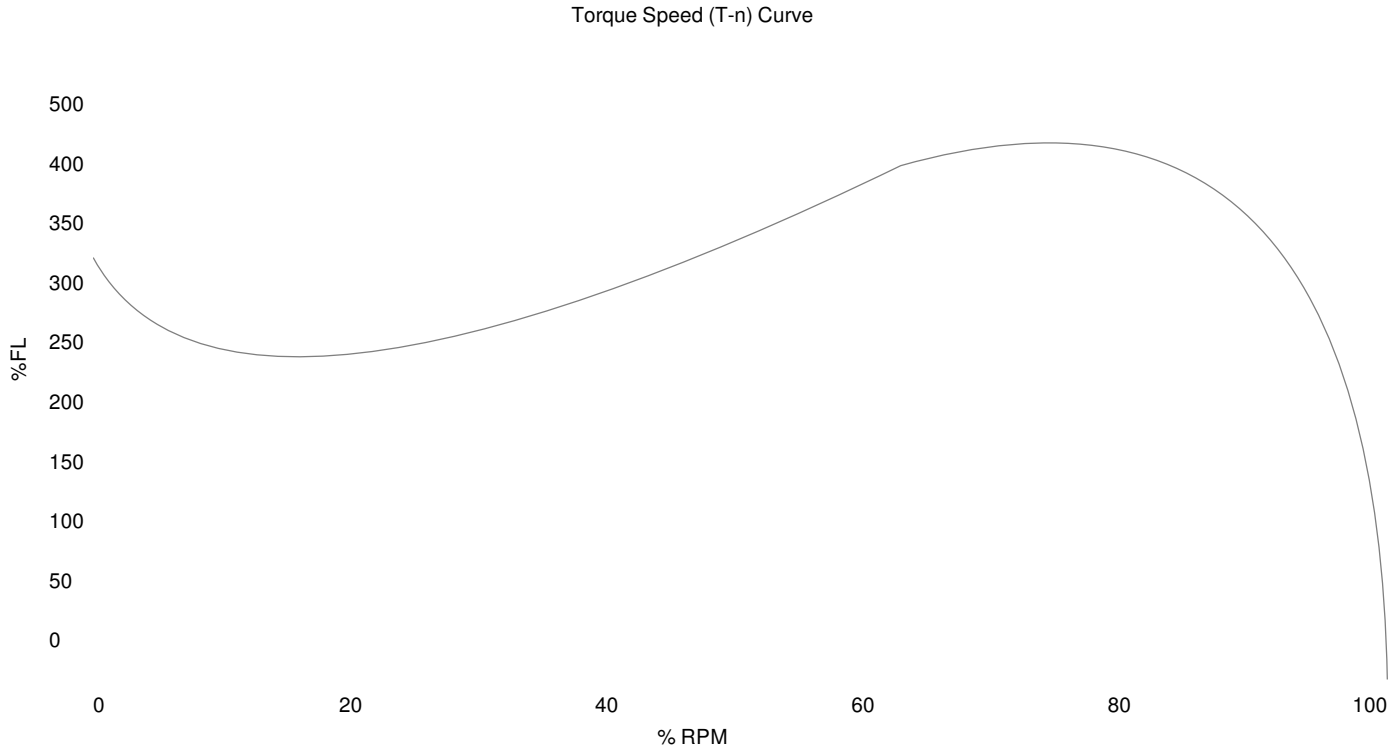
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FACTORY TYPE:	TXC

NEMA

Premium NEMA Cast Iron, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	220.176	326.0	Start Configuration	-
Pull-Up Torque	96.5801	143.0	Starting Current (A)	-
Breakdown Torque	268.128	397.0	No-Load Current (A)	-
Full Load	67.5386	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	10.91	-	-	-	-
25	3.75	11.67	3.39	1196.6	83.41	0.36
50	7.5	13.71	6.3	1193.3	89.62	0.58
75	11.25	16.54	9.29	1189.8	91.24	0.71
100	15.0	19.97	12.35	1186.0	91.52	0.78
125	18.75	23.86	15.49	1182.0	91.21	0.81

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