NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-254T-2-BR-E-15
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	15.0	15.0
Speed, RPM	3540	2920
Voltage	460	380
# Phase	3	
Full Load Amps	17.6	22.6
Power Factor	0.88	-
Nominal Efficiency	91.0	88.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	L	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	208.506	-
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%	87.1	0.71
75%	89.66	0.81
100%	90.53	0.86
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	52.0	-
3D Image Link		
BR3-CI-TF-254T-2-BR-E-15		

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

GENERAL DATA	
Frame Size	254T
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 1-1/4"
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	254.678
MECHANICAL DATA	
DE Bearing	6309C3
NDE Bearing	6309C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	DE

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	75.0398	337.0
Pull-Up Torque	42.9753	193.0
Breakdown Torque	88.1773	396.0
Full Load Torque	22.267	100.0

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

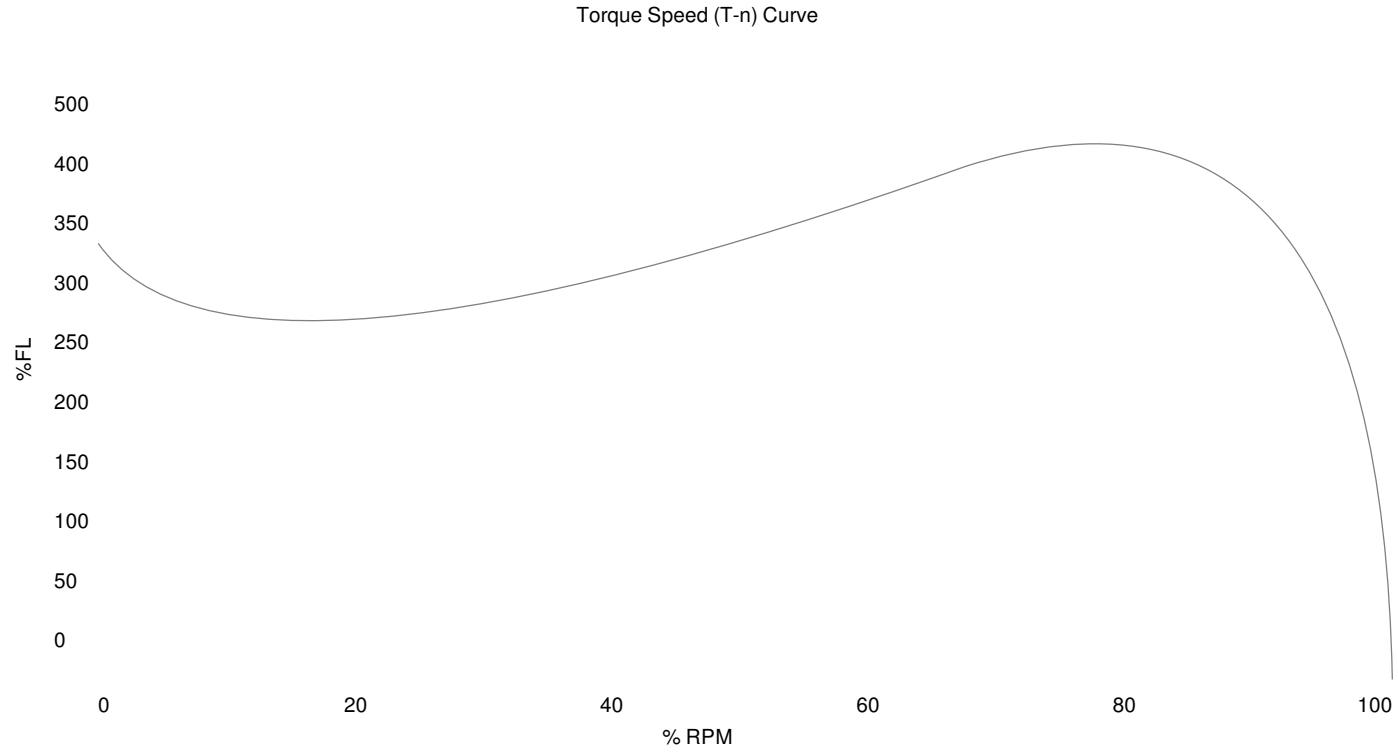
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FACTORY TYPE:	TXC

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Premium NEMA Cast Iron, TEFC



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	75.0398	337.0	Start Configuration	-
Pull-Up Torque	42.9753	193.0	Starting Current (A)	-
Breakdown Torque	88.1773	396.0	No-Load Current (A)	-
Full Load	22.267	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	8.01	-	-	-	-
25	3.75	9.11	3.58	3592.6	78.93	0.49
50	7.5	11.59	6.49	3585.6	87.1	0.71
75	11.25	14.7	9.45	3578.2	89.66	0.81
100	15.0	18.29	12.48	3570.4	90.53	0.86
125	18.75	22.21	15.58	3562.3	90.67	0.88

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