NEMA Premium

MOTOR MODEL:	BR3-CI-TF-324T-6-BR-E-25
FACTORY TYPE:	TXC

NEMA

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	25.0	25.0
Speed, RPM	1180	965
Voltage	460	380
# Phase	3	
Full Load Amps	31.9	37
Power Factor	0.81	-
Nominal Efficiency	93.0	90.0
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	M	E
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	361.401	-
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%	91.71	0.64
75%	92.78	0.76
100%	92.81	0.82
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	52.0	-
3D Image Link		
BR3-CI-TF-324T-6-BR-E-25		

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

GENERAL DATA	
Frame Size	324T
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 2"
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	500.535
MECHANICAL DATA	
DE Bearing	6312C3
NDE Bearing	6312C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	DE

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	374.193	338.0
Pull-Up Torque	218.095	197.0
Breakdown Torque	464.974	420.0
Full Load Torque	110.708	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	

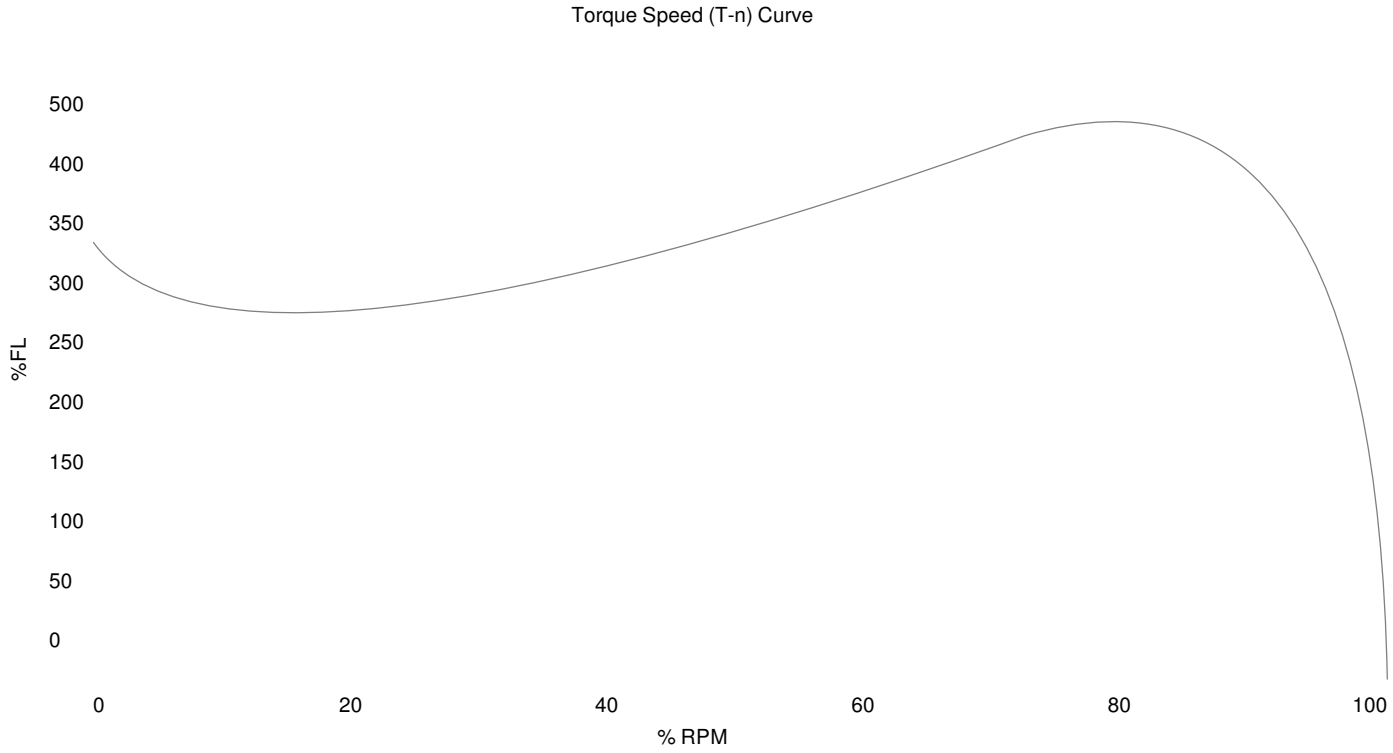
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Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values	
Locked Rotor Torque	374.193	338.0	Start Configuration	-
Pull-Up Torque	218.095	197.0	Starting Current (A)	-
Breakdown Torque	464.974	420.0	No-Load Current (A)	-
Full Load	110.708	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	14.61	-	-	-	-
25	6.25	16.05	5.35	1196.5	86.95	0.42
50	12.5	19.84	10.14	1193.1	91.71	0.64
75	18.75	24.87	15.04	1189.5	92.78	0.76
100	25.0	30.81	20.04	1185.7	92.81	0.82
125	31.25	34.69	23.1	1183.3	92.58	0.84

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