NEMA Premium

NEMA

MOTOR MODEL:	BR3-CI-TF-447T-6-RR-E-150
FACTORY TYPE:	TXC

Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	150.0	150.0
Speed, RPM	1180	980
Voltage	460	380
# Phase	3	
Full Load Amps	170.4698846	205
Power Factor	0.87	-
Nominal Efficiency	95.8	94.0
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	H	E
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	1740.58	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	6	
Connection	D	
Coil Resistance	-	
Date Code	-	
Load	**Efficiency %**	**P.F.**
50%	94.27	0.68
75%	95.08	0.79
100%	95.13	0.83
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	86.0	-
3D Image Link		
BR3-CI-TF-447T-6-RR-E-150		

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

GENERAL DATA	
Frame Size	447T
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	2-NPT 3"
Feet Removable	-
Double Drilled	true
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	2041.83
MECHANICAL DATA	
DE Bearing	NU319
NDE Bearing	6319C3
dB No-Load	-
Rotor Wk², Lb-Ft²	-
Comp Ring (wavey washer)	None

TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	2127.76	279.0
Pull-Up Torque	1677.81	220.0
Breakdown Torque	2547.22	334.0
Full Load Torque	762.639	100.0

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

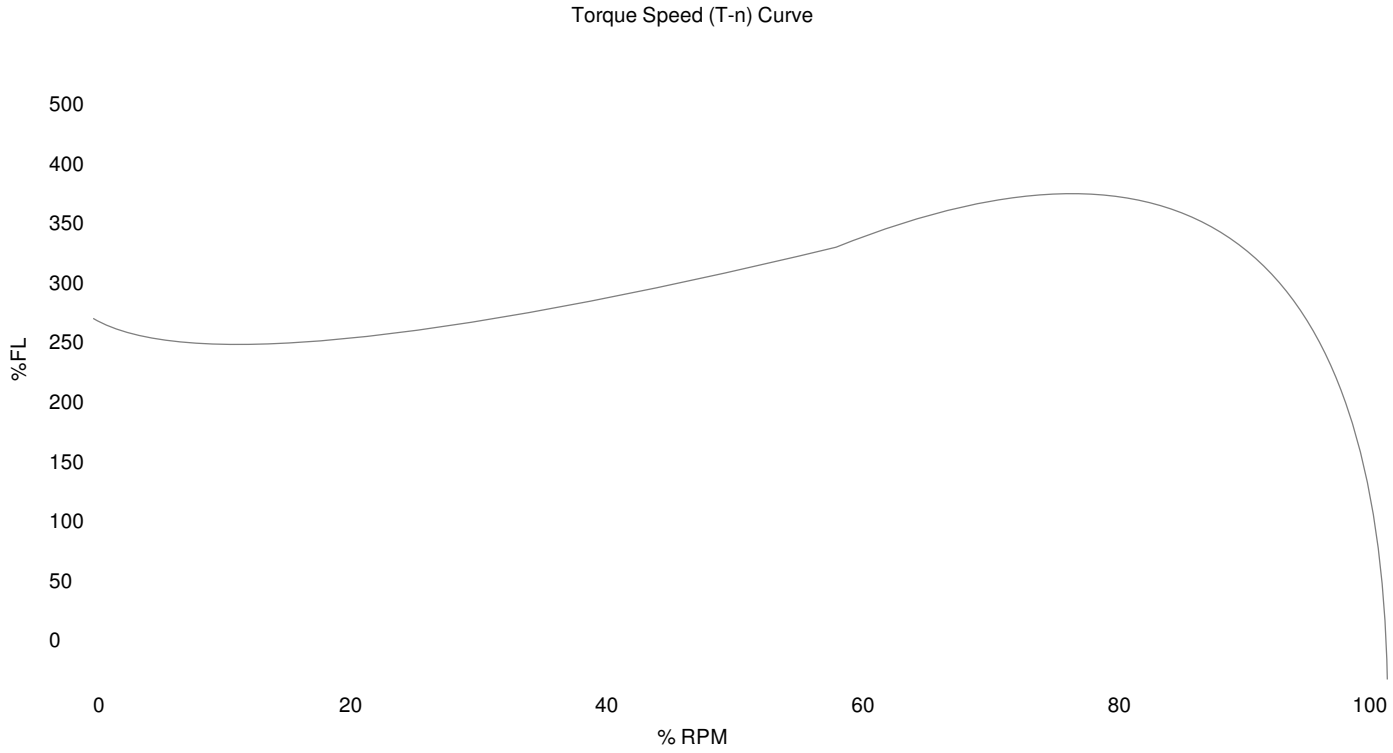
Techtop Industries
2815 Colonnades Court
Peachtree Corners, GA 30071
Tel: 678-436-5540
E-Mail: info@techtopind.com

NEMA Premium

MOTOR MODEL:	BR3-CI-TF-447T-6-RR-E-150
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	2127.76	279.0	Start Configuration	-
Pull-Up Torque	1677.81	220.0	Starting Current (A)	-
Breakdown Torque	2547.22	334.0	No-Load Current (A)	-
Full Load	762.639	100.0	No-Load Power Factor	-

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	84.78	-	-	-	-
25	37.5	96.55	35.54	1197.9	90.75	0.46
50	75.0	125.58	68.42	1196.0	94.27	0.68
75	112.5	162.53	101.76	1193.9	95.08	0.79
100	150.0	205.53	135.61	1191.6	95.13	0.83
125	187.5	252.72	170.0	1189.2	94.85	0.84

Techtop Industries
2815 Colonnades Court
Peachtree Corners, GA 30071
Tel: 678-436-5540
E-Mail: info@techtopind.com