

MOTOR MODEL:	BK3-CI-TF-254T-6-BR-G-7.5
FACTORY TYPE:	-

NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	7.5	-
Speed, RPM	1110	-
Voltage	230/460/796	-
# Phase	-	
Full Load Amps	20.4/10.2/5.89	-
Power Factor	0.83	3.0
Nominal Efficiency	84.0	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	G	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	56.77	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	-	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	84.97	0.7052
75%	85.38	0.7928
100%	83.97	0.8271
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	284T	
Frame Enclosure	TEFC	
Mounting	Rigid	
Insulation Class	F	
Duty	-	
NEMA Design	D	
Frame Material	Cast Iron	
Ingress Protection	55	
Tropicalization	-	
Cable Entry	-	
Feet Removable	-	
Double Drilled	-	
Paint Color	-	
Paint RAL	-	
Weight lb	267.0	
MECHANICAL DATA		
DE Bearing	6309C3	
NDE Bearing	6309C3	
dB No-Load	-	
Rotor Wk², Lb-Ft²	-	
Comp Ring (wavy washer)	-	
TORQUE VALUES	Torque lb-ft	% FLT
Locked Rotor Torque	109.0	309.0
Pull-Up Torque	87.63	247.0
Breakdown Torque	83.75	236.0
Full Load Torque	35.48	100.0
SITE CONDITIONS		
Ambient Temp °C	-	
Altitude Above Sea Level m	-	

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

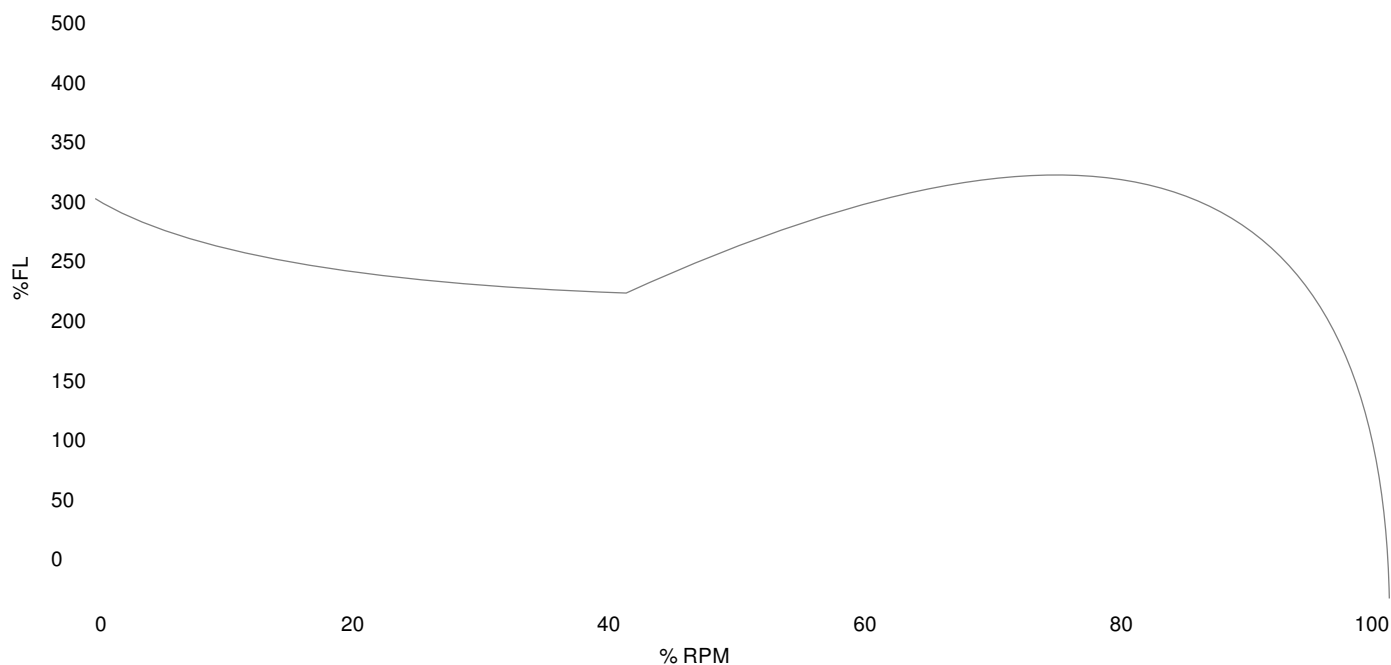
NEMA

MOTOR MODEL:	BK3-CI-TF-254T-6-BR-G-7.5
FACTORY TYPE:	-

NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 7.5HP, 1110 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	109.0	309.0	Start Configuration
Pull-Up Torque	87.63	247.0	Starting Current (A)
Breakdown Torque	83.75	236.0	No-Load Current (A)
Full Load	35.48	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	0.0	4.23	0.3507	1199.0	0.0	-
25	1.87	4.353	1.792	1179.4	78.13	0.5167
50	3.75	5.886	3.307	1162.0	84.97	0.7052
75	5.63	7.787	4.919	1139.3	85.38	0.7928
100	7.5	10.12	6.669	1111.4	83.97	0.8271
125	9.38	12.95	8.615	1078.1	81.25	0.835