



Pump Motors

NEMA

MOTOR MODEL:	BK3-CI-TF-364T-6-BR-G-40
FACTORY TYPE:	-

NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	40.0	-
Speed, RPM	1135	-
Voltage	230/460/796	-
# Phase	-	
Full Load Amps	92/46/30.4	-
Power Factor	0.89	3.0
Nominal Efficiency	91.5	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	F	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	286.5	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	-	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	92.48	0.834
75%	92.48	0.8867
100%	91.52	0.896
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	364T	
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	571.0	
MECHANICAL DATA		
DE Bearing	6313C3	
NDE Bearing	6313C3	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavey washer)	-	
TORQUE VALUES		
	Torque lb-ft	% FLT
Locked Rotor Torque	266.9	147.0
Pull-Up Torque	194.27	107.0
Breakdown Torque	401.26	221.0
Full Load Torque	181.57	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.



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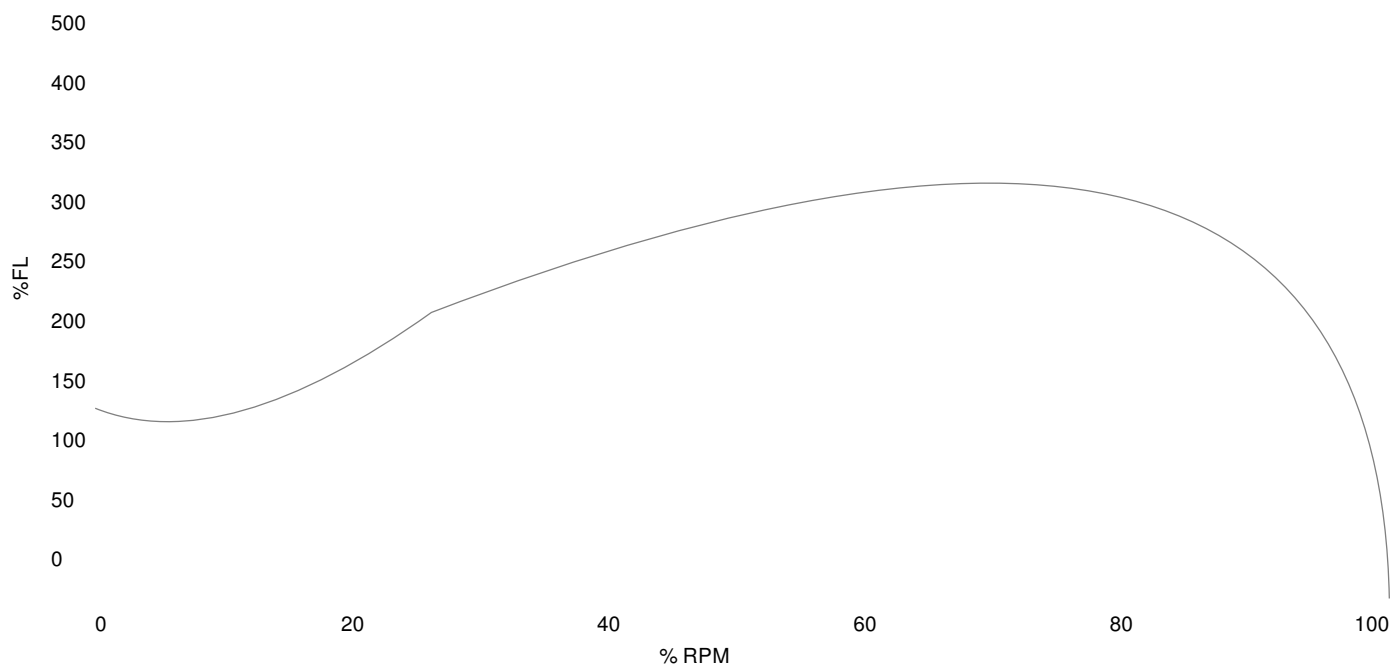
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MOTOR MODEL:	BK3-CI-TF-364T-6-BR-G-40
FACTORY TYPE:	-

NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 40.0HP, 1135 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	266.9	147.0	Start Configuration
Pull-Up Torque	194.27	107.0	Starting Current (A)
Breakdown Torque	401.26	221.0	No-Load Current (A)
Full Load	181.57	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	0.0	12.66	0.7493	1199.0	0.0	-
25	10.0	15.91	8.381	1191.8	89.49	0.6612
50	20.0	24.41	16.22	1183.7	92.48	0.834
75	30.0	34.44	24.33	1174.3	92.48	0.8867
100	40.0	45.92	32.78	1163.4	91.52	0.896
125	50.0	58.74	41.65	1151.2	90.04	0.8899

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