



## Pump Motors

# NEMA

<b>MOTOR MODEL:</b>	BK3-CI-TF-404T-6-RR-G-60
<b>FACTORY TYPE:</b>	-

### NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	60.0	-
Speed, RPM	1135	-
Voltage	230/460/796	-
# Phase	-	-
Full Load Amps	135.2/67.6/39.07	-
Power Factor	0.9	3.0
Nominal Efficiency	92.0	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	F	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	385.5	-
Start Capacitor	-	-
Start Capacitor V	-	-
Run Capacitor	-	-
Run Capacitor V	-	-
Number of Leads	12	-
Connection	-	-
Coil Resistance	-	-
Date Code	-	-
Load	Efficiency %	P.F.
50%	93.21	0.8726
75%	93.15	0.9062
100%	92.21	0.9066
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	404T	
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	802.0	
MECHANICAL DATA		
DE Bearing	NU6316	
NDE Bearing	6316C3	
dB No-Load	-	
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-	
Comp Ring (wavy washer)	-	
TORQUE VALUES		% FLT
Locked Rotor Torque	361.81	133.0
Pull-Up Torque	223.57	82.0
Breakdown Torque	561.65	206.0
Full Load Torque	272.65	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.



## Pump Motors

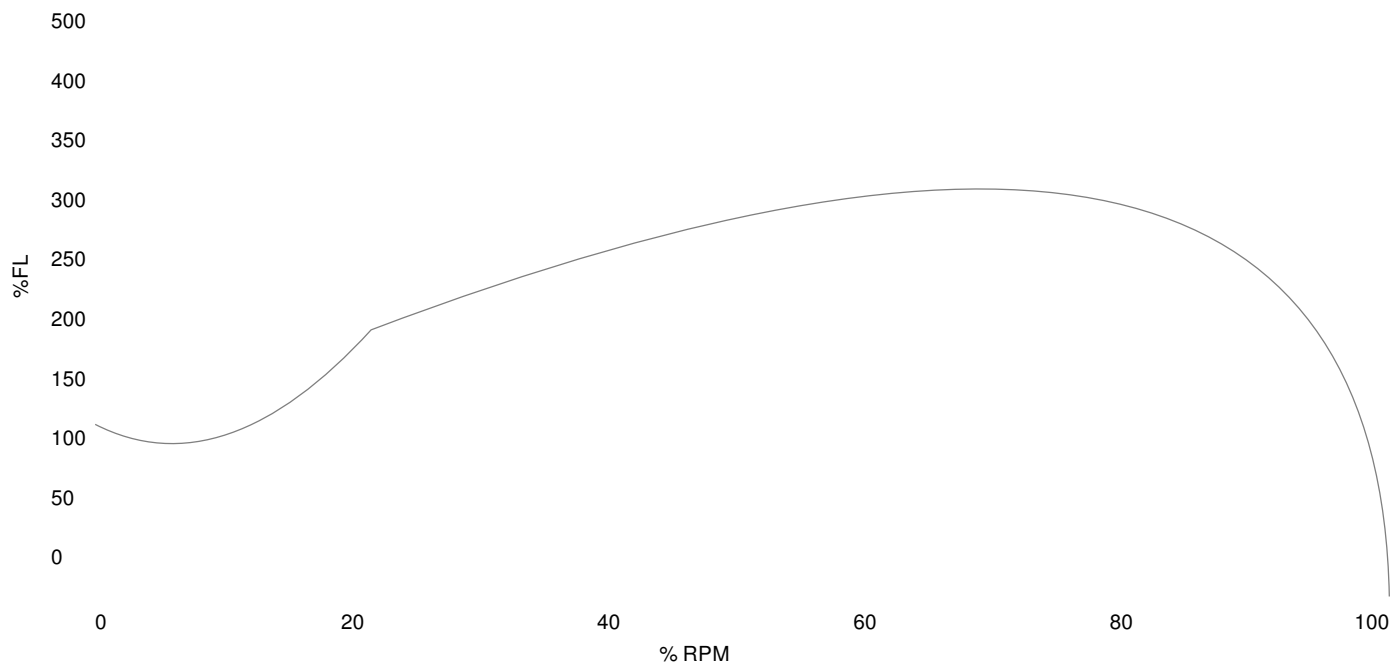
# NEMA

<b>MOTOR MODEL:</b>	BK3-CI-TF-404T-6-RR-G-60
<b>FACTORY TYPE:</b>	-

### NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 60.0HP, 1135 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	361.81	133.0	Start Configuration
Pull-Up Torque	223.57	82.0	Starting Current (A)
Breakdown Torque	561.65	206.0	No-Load Current (A)
Full Load	272.65	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	0.0	13.18	0.992	1198.0	0.0	-
25	15.0	20.86	12.42	1191.6	90.58	0.7473
50	30.0	34.72	24.14	1183.3	93.21	0.8726
75	45.0	50.18	36.23	1173.6	93.15	0.9062
100	60.0	67.56	48.8	1162.3	92.21	0.9066
125	75.0	87.16	61.98	1149.5	90.76	0.8925

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