



# 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	-	-
LRC @ 60Hz HV	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 (wavey washer)	-	
TORQUE VALUES		
	Torque lb-ft	% 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 Techttop for more info.



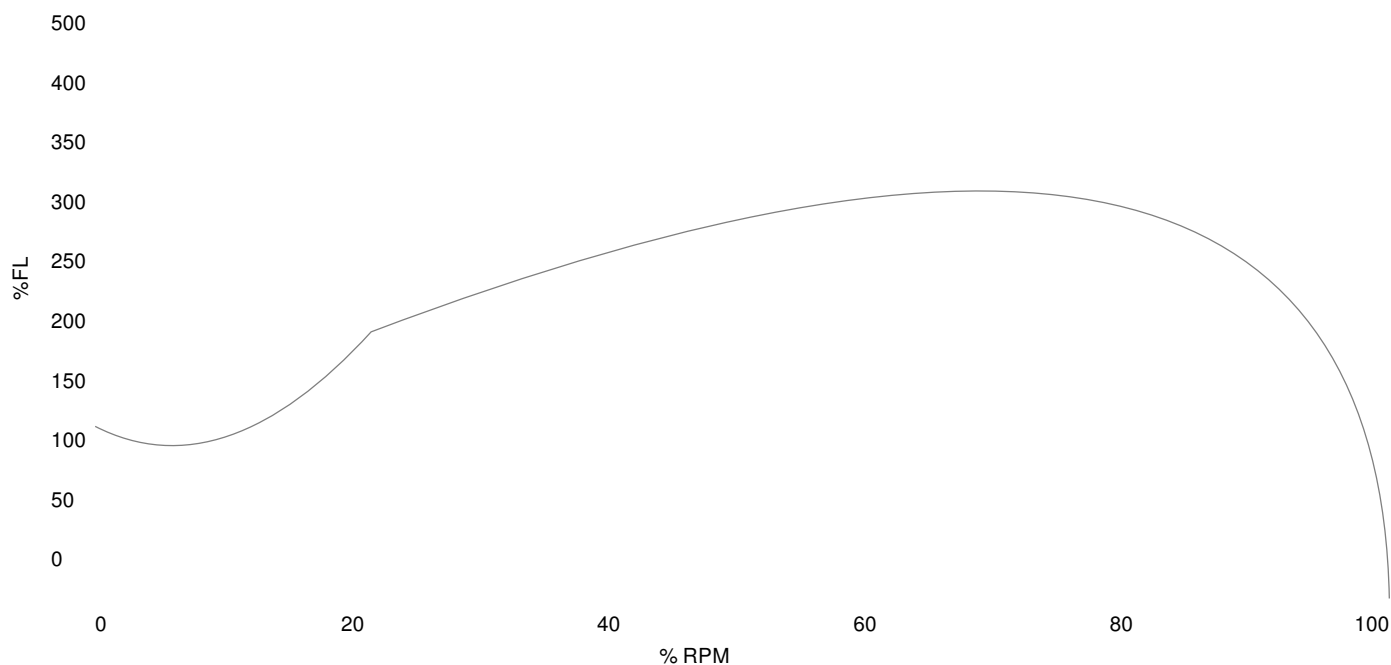
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Torque Speed (T-n) Curve



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

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