



# Pump Motors

## NEMA

<b>MOTOR MODEL:</b>	BK3-CI-TF-444T-6-RR-G-100
<b>FACTORY TYPE:</b>	-

### NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	100.0	-
Speed, RPM	1138	-
Voltage	230/460/796	-
# Phase	-	
Full Load Amps	223.6/111.8/64.6	-
Power Factor	0.91	3.0
Nominal Efficiency	92.5	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	F	-
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	851.2	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	-	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	94.86	0.78607
75%	95.326	0.82742
100%	95.483	0.8699
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	444T	
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	1602.0	
MECHANICAL DATA		
DE Bearing	NU6319	
NDE Bearing	6319C3	
dB No-Load	-	
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-	
Comp Ring (wavy washer)	-	
TORQUE VALUES		% FLT
Locked Rotor Torque	972.03	217.0
Pull-Up Torque	399.5	89.0
Breakdown Torque	906.39	202.0
Full Load Torque	448.88	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.



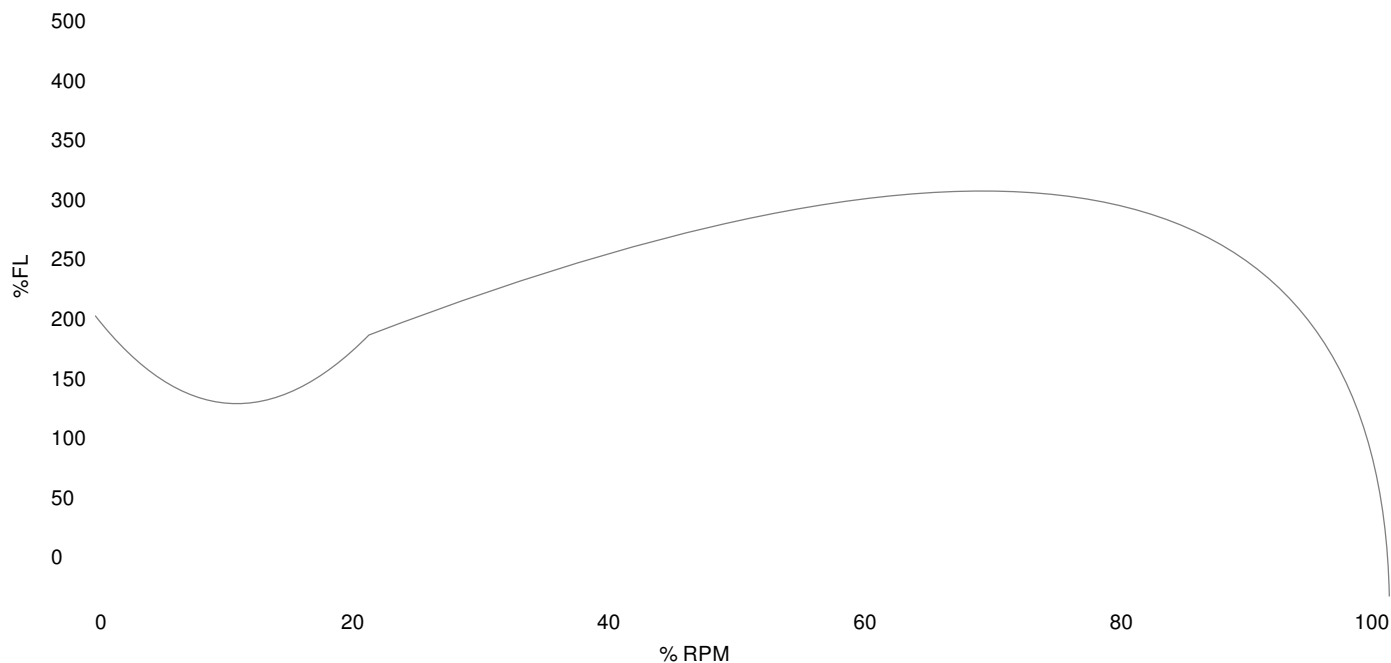
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### NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	972.03	217.0	Start Configuration
Pull-Up Torque	399.5	89.0	Starting Current (A)
Breakdown Torque	906.39	202.0	No-Load Current (A)
Full Load	448.88	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	0.0	33.69	1.552	1199.0	0.0	0.058
25	25.0	42.208	20.418	1197.9	91.831	0.60716
50	50.0	63.12	39.532	1195.9	94.86	0.78607
75	75.0	75.188	49.567	1194.8	95.326	0.82742
100	100.0	113.33	78.548	1191.3	95.483	0.8699
125	125.0	130.16	90.494	1189.8	95.31	0.87262

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