



# Pump Motors

## NEMA

<b>MOTOR MODEL:</b>	BK3-CI-TF-445T-6-RR-G-125
<b>FACTORY TYPE:</b>	-

### NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	125.0	-
Speed, RPM	1139	-
Voltage	230/460/796	-
# Phase	-	
Full Load Amps	279.2/139.6/80.7	-
Power Factor	0.91	3.0
Nominal Efficiency	92.6	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	F	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	862.0	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	-	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	93.73	0.788
75%	94.75	0.86
100%	95.0	0.849
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
Not available for this motor		

GENERAL DATA			
Frame Size	445T		
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	1796.0		
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		Torque lb-ft	% FLT
Locked Rotor Torque		1099.97	198.0
Pull-Up Torque		766.645	138.0
Breakdown Torque		1166.63	210.0
Full Load Torque		555.54	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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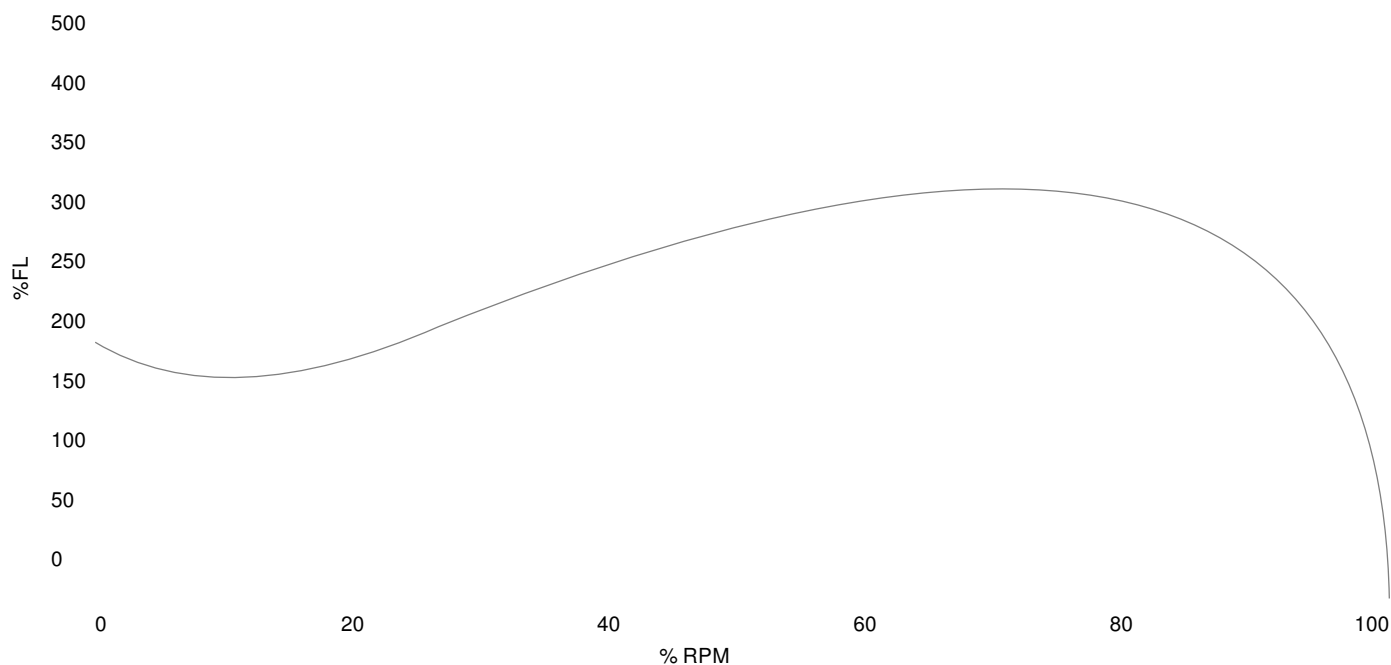
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<b>FACTORY TYPE:</b>	-

### NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 125.0HP, 1139 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	1099.97	198.0	Start Configuration
Pull-Up Torque	766.645	138.0	Starting Current (A)
Breakdown Torque	1166.63	210.0	No-Load Current (A)
Full Load	555.54	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	41.95	-	-	-	-
25	31.25	55.63	25.87	1198.0	90.09	0.584
50	62.5	79.15	49.72	1196.0	93.73	0.788
75	93.75	107.64	73.78	1194.0	94.75	0.86
100	125.0	145.0	98.12	1180.0	95.0	0.849
125	156.25	171.8	122.59	1170.0	95.05	0.896

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