



Pump Motors

NEMA

MOTOR MODEL:	BK3-CI-TF-445T-6-RR-G-125
FACTORY TYPE:	-

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 ² , Lb-Ft ²	-	
Comp Ring (wavey washer)	-	
TORQUE VALUES		% 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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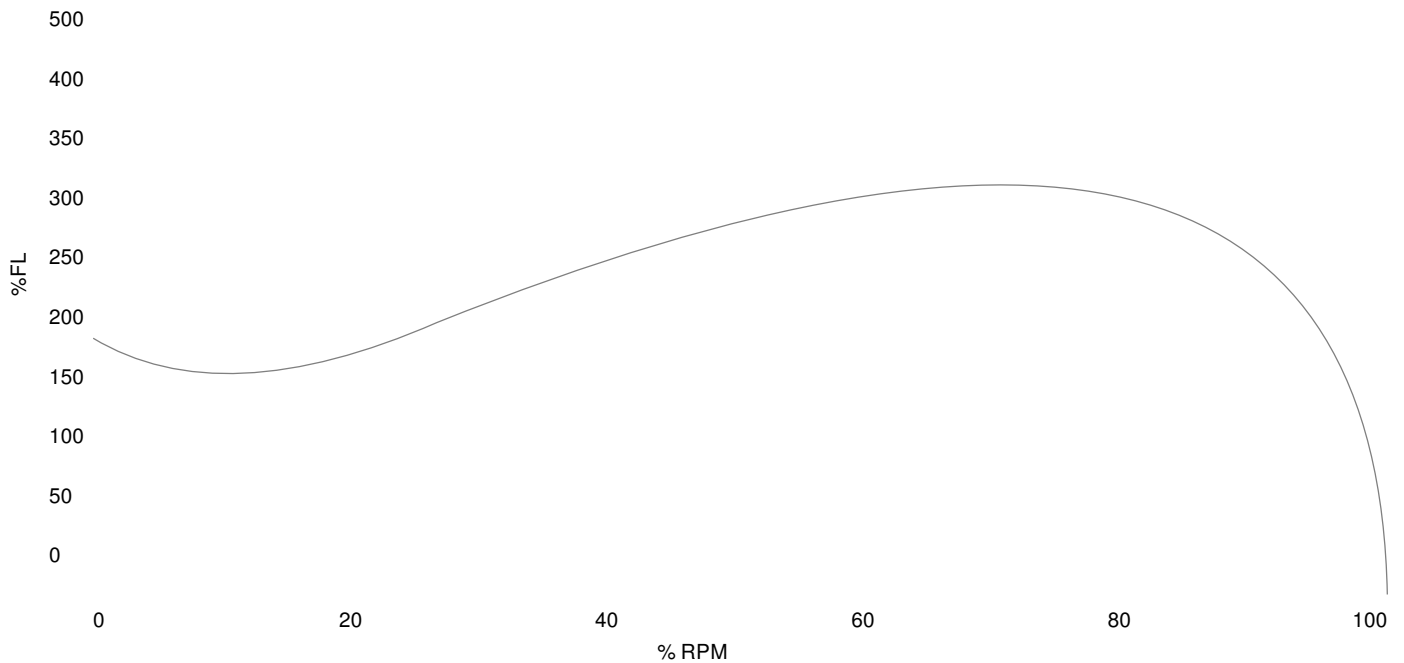
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MOTOR MODEL:	BK3-CI-TF-445T-6-RR-G-125
FACTORY TYPE:	-

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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