



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	-	-
LRC @ 60Hz HV	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 (wavy 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.



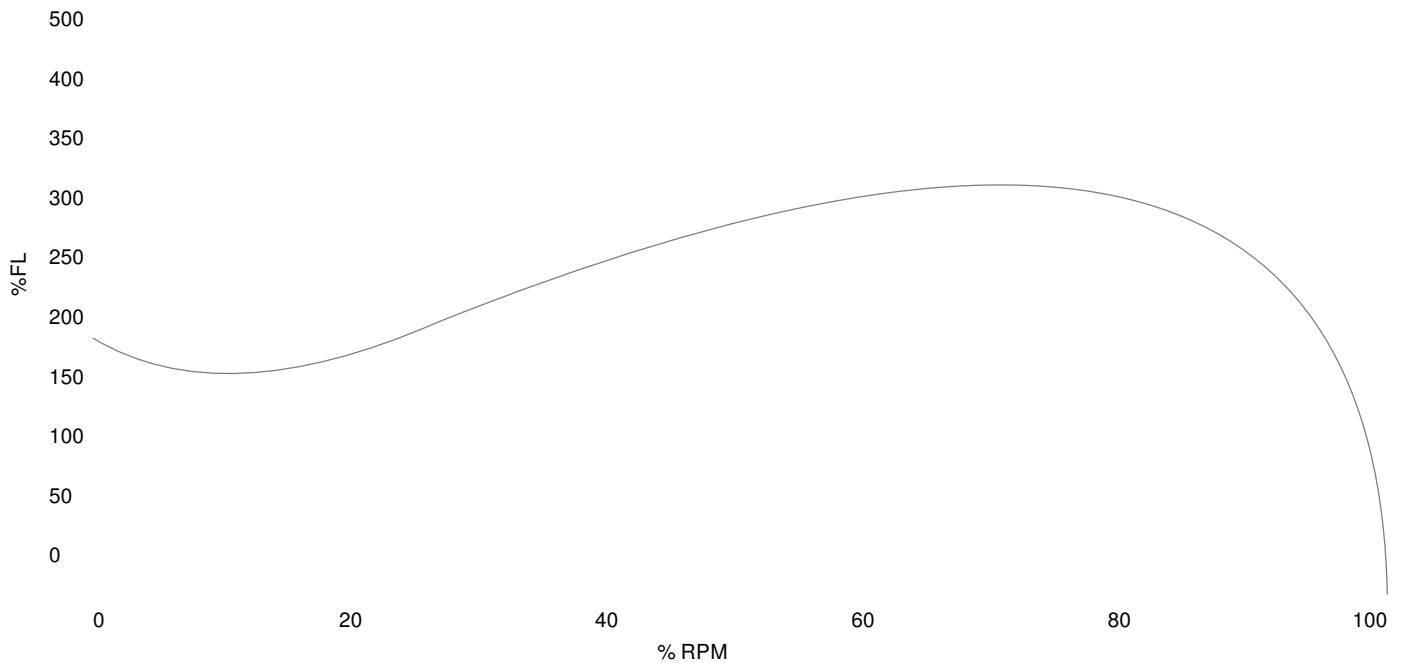
Pump Motors

NEMA

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

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	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

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