



Pump Motors

NEMA

MOTOR MODEL:	BK3-CI-TF-405T-6-RR-G-75
FACTORY TYPE:	-

NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	75.0	-
Speed, RPM	1135	-
Voltage	230/460/796	-
# Phase	-	
Full Load Amps	148/82/47.4	-
Power Factor	0.91	3.0
Nominal Efficiency	92.2	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	F	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	592.7	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	-	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	91.3	0.844
75%	91.5	0.8931
100%	91.65	0.905
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	405T	
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	989.0	
MECHANICAL DATA		
DE Bearing	6316C3	
NDE Bearing	6316C3	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavey washer)	-	
TORQUE VALUES		
	Torque lb-ft	% FLT
Locked Rotor Torque	786.91	233.0
Pull-Up Torque	537.53	159.0
Breakdown Torque	977.02	289.0
Full Load Torque	338.07	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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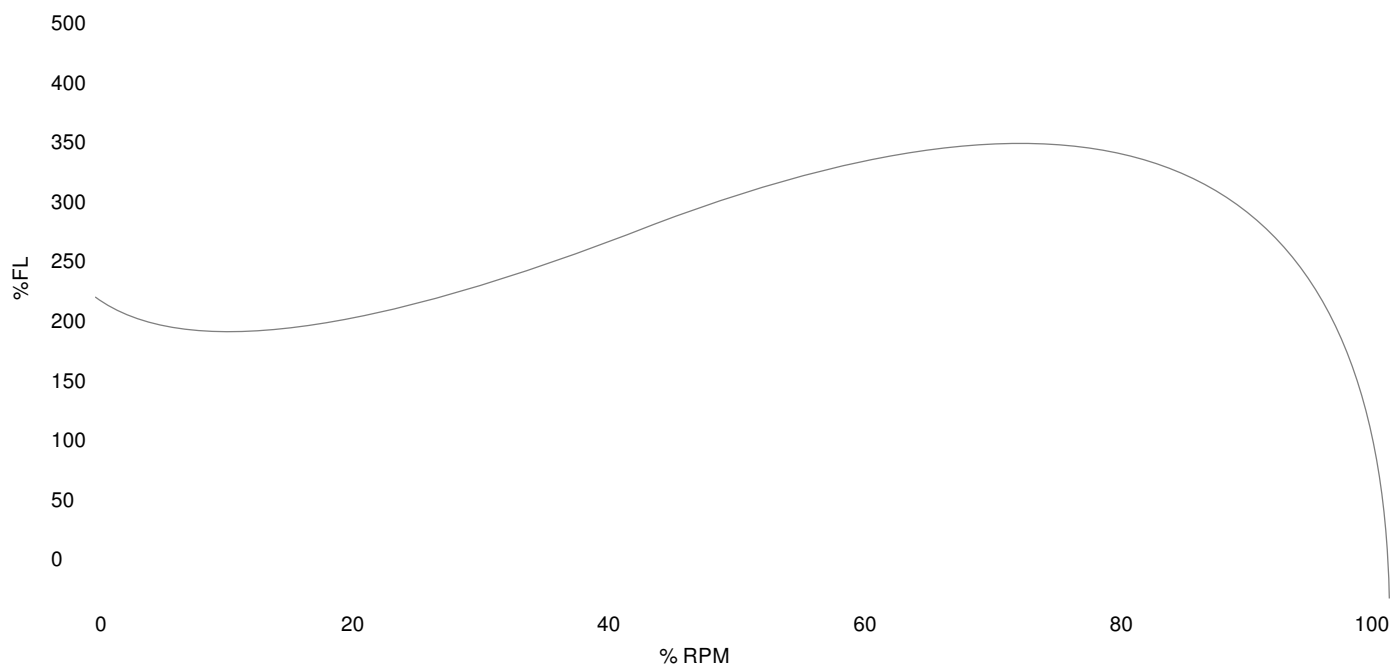
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MOTOR MODEL:	BK3-CI-TF-405T-6-RR-G-75
FACTORY TYPE:	-

NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 75.0HP, 1135 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	786.91	233.0	Start Configuration
Pull-Up Torque	537.53	159.0	Starting Current (A)
Breakdown Torque	977.02	289.0	No-Load Current (A)
Full Load	338.07	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	0.0	25.42	1.719	1199.0	0.0	-
25	18.75	28.68	15.7	1187.8	87.58	0.6871
50	37.5	44.79	30.12	1175.3	91.3	0.844
75	56.25	63.35	45.08	1161.3	91.5	0.8931
100	75.0	84.14	60.67	1145.8	91.65	0.905
125	93.75	107.0	77.03	1128.9	89.25	0.9036

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