



Pump Motors

NEMA

MOTOR MODEL:	BK3-CI-TF-284T-6-BR-G-15
FACTORY TYPE:	-

NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	15.0	-
Speed, RPM	1139	-
Voltage	230/460/796	-
# Phase	-	
Full Load Amps	38.2/19.1/11	-
Power Factor	0.84	3.0
Nominal Efficiency	87.7	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	G	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	129.8	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	-	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	86.3	0.7344
75%	87.17	0.8199
100%	86.15	0.8534
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	284T	
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	301.0	
MECHANICAL DATA		
DE Bearing	6311C3	
NDE Bearing	6311C3	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavey washer)	-	
TORQUE VALUES		% FLT
Locked Rotor Torque	216.53	309.0
Pull-Up Torque	138.69	198.0
Breakdown Torque	176.52	252.0
Full Load Torque	70.05	100.0
SITE CONDITIONS		
Ambient Temp °C	-	
Altitude Above Sea Level m	-	

*This report valid for above Date Code and newer models, please contact Techtop for more info.



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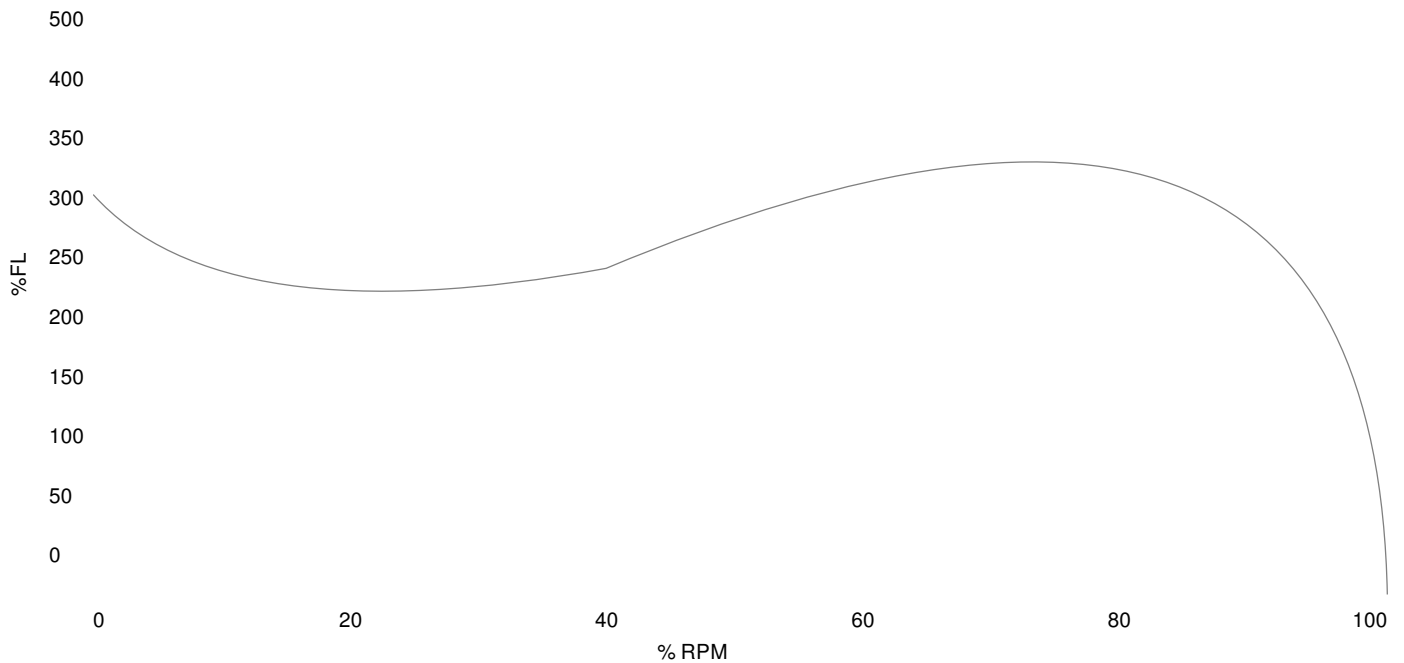
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MOTOR MODEL:	BK3-CI-TF-284T-6-BR-G-15
FACTORY TYPE:	-

NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 15.0HP, 1139 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	216.53	309.0	Start Configuration
Pull-Up Torque	138.69	198.0	Starting Current (A)
Breakdown Torque	176.52	252.0	No-Load Current (A)
Full Load	70.05	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	0.0	7.206	0.6169	1199.0	0.0	-
25	3.75	8.068	3.497	1182.2	80.07	0.544
50	7.5	11.09	6.489	1167.5	86.3	0.7344
75	11.25	14.75	9.636	1148.7	87.17	0.8199
100	15.0	19.12	13.0	1125.9	86.15	0.8534
125	18.75	24.26	16.65	1099.1	84.08	0.8614

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