



# Pump Motors

# NEMA

<b>MOTOR MODEL:</b>	BK3-CI-TF-324T-6-BR-G-25
<b>FACTORY TYPE:</b>	-

## NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	25.0	-
Speed, RPM	1135	-
Voltage	230/460/796	-
# Phase	-	
Full Load Amps	60/30/17.3	-
Power Factor	0.86	3.0
Nominal Efficiency	90.7	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	F	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	232.5	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	-	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	91.04	0.7581
75%	91.4	0.8334
100%	90.69	0.8583
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	324T	
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	401.0	
MECHANICAL DATA		
DE Bearing	6312C3	
NDE Bearing	6312C3	
dB No-Load	-	
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-	
Comp Ring (wavy washer)	-	
TORQUE VALUES		% FLT
Locked Rotor Torque	255.74	228.0
Pull-Up Torque	122.26	109.0
Breakdown Torque	261.35	233.0
Full Load Torque	112.17	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.

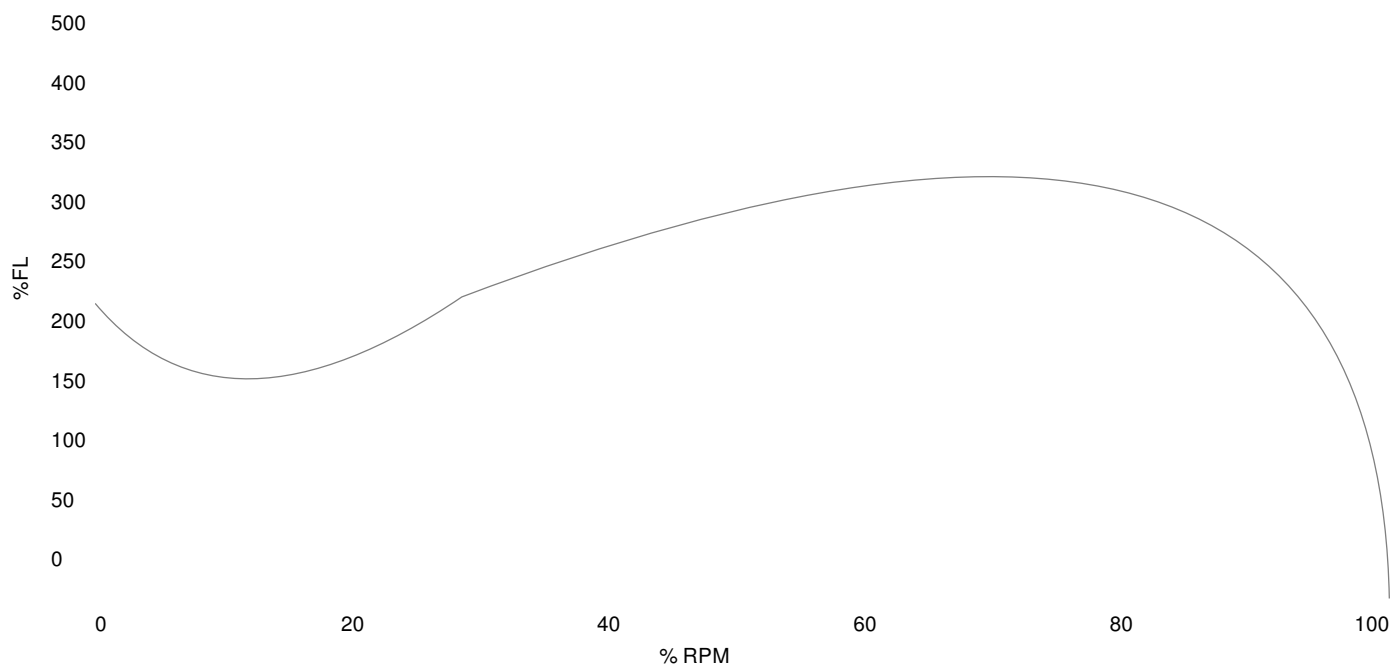
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<b>FACTORY TYPE:</b>	-

## NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 25.0HP, 1135 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	255.74	228.0	Start Configuration
Pull-Up Torque	122.26	109.0	Starting Current (A)
Breakdown Torque	261.35	233.0	No-Load Current (A)
Full Load	112.17	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	0.0	10.42	0.6036	1199.0	0.0	-
25	6.25	11.88	5.317	1191.3	86.99	0.5617
50	12.5	16.82	10.16	1182.7	91.04	0.7581
75	18.75	22.86	15.18	1172.8	91.4	0.8334
100	25.0	29.83	20.04	1161.7	90.69	0.8583
125	31.25	37.57	25.87	1149.3	89.39	0.8642