



Pump Motors

NEMA

MOTOR MODEL:	BK3-CI-TF-365T-6-BR-G-50
FACTORY TYPE:	-

NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	50.0	-
Speed, RPM	1138	-
Voltage	230/460/796	-
# Phase	-	-
Full Load Amps	111/55.5/32.1	-
Power Factor	0.91	3.0
Nominal Efficiency	91.9	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	F	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	368.6	-
Start Capacitor	-	-
Start Capacitor V	-	-
Run Capacitor	-	-
Run Capacitor V	-	-
Number of Leads	12	-
Connection	-	-
Coil Resistance	-	-
Date Code	-	-
Load	Efficiency %	P.F.
50%	92.87	0.866
75%	92.84	0.9042
100%	91.93	0.9101
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	365T	
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	756.0	
MECHANICAL DATA		
DE Bearing	6313C3	
NDE Bearing	6313C3	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Comp Ring (wavy washer)	-	
TORQUE VALUES		
	Torque lb-ft	% FLT
Locked Rotor Torque	383.57	171.0
Pull-Up Torque	-	-
Breakdown Torque	526.51	235.0
Full Load Torque	224.05	100.0
SITE CONDITIONS		
Ambient Temp °C	-	
Altitude Above Sea Level m	-	

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



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Non Sinusoidal (VFD) Output 50.0HP, 1138 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	383.57	171.0	Start Configuration
Pull-Up Torque	-	-	Starting Current (A)
Breakdown Torque	526.51	235.0	No-Load Current (A)
Full Load	224.05	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	0.0	10.96	0.8614	1198.0	0.0	-
25	12.5	17.52	10.26	1191.2	90.16	0.735
50	25.0	28.87	19.92	1183.0	92.87	0.866
75	37.5	41.49	29.89	1173.6	92.84	0.9042
100	50.0	55.51	40.25	1162.9	91.93	0.9101
125	62.5	71.03	51.08	1151.0	90.54	0.9026