



# Pump Motors

## NEMA

<b>MOTOR MODEL:</b>	BK3-CI-TF-286T-6-BR-G-20
<b>FACTORY TYPE:</b>	-

### NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	20.0	-
Speed, RPM	1115	-
Voltage	230/460/796	-
# Phase	-	
Full Load Amps	49.6/24.8/14.3	-
Power Factor	0.88	3.0
Nominal Efficiency	86.4	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
KVA Code	F	-
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	180.8	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	-	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	87.68	0.7825
75%	87.89	0.8559
100%	86.41	0.8804
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	386T	
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	389.0	
MECHANICAL DATA		
DE Bearing	6311C3	
NDE Bearing	6311C3	
dB No-Load	-	
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-	
Comp Ring (wavy washer)	-	
TORQUE VALUES		
	Torque lb-ft	% FLT
Locked Rotor Torque	312.47	330.0
Pull-Up Torque	255.66	270.0
Breakdown Torque	255.66	270.0
Full Load Torque	94.69	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.



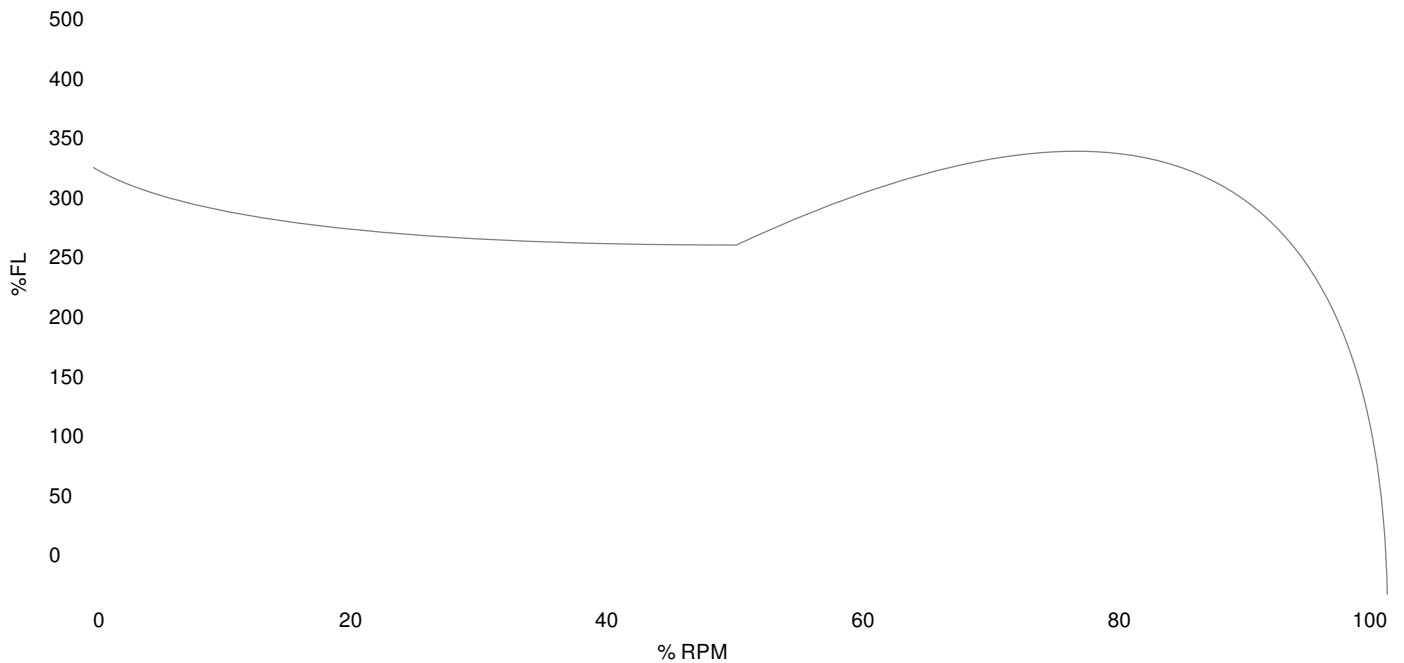
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### NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	312.47	330.0	Start Configuration
Pull-Up Torque	255.66	270.0	Starting Current (A)
Breakdown Torque	255.66	270.0	No-Load Current (A)
Full Load	94.69	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	0.0	8.846	0.6887	1198.0	0.0	-
25	5.0	9.556	4.534	1180.5	82.71	0.5949
50	10.0	13.72	8.554	1162.9	87.68	0.7825
75	15.0	18.77	12.8	1141.2	87.89	0.8559
100	20.0	24.75	17.36	1115.3	86.41	0.8804
125	25.0	31.67	22.33	1085.2	83.97	0.885

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