



# Pump Motors

# NEMA

<b>MOTOR MODEL:</b>	GR3-CI-TF-365JM-4-BR-D-75
<b>FACTORY TYPE:</b>	TXC

## Premium NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	75.0	75.0
Speed, RPM	1775	1465
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	167.29/83.65	207/103.5
Power Factor	0.87	-
Nominal Efficiency	95.4	92.5
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	L	F
FL Amps. @ 208 V	-	-
LRC @ 60Hz HV	829.228	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	94.91	0.78
75%	95.51	0.85
100%	95.47	0.89
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	62.0	-
3D Image Link		
Not available for this motor		

GENERAL DATA		
Frame Size	365JM	
Frame Enclosure	TEFC	
Mounting	Rigid	
Insulation Class	F	
Duty	Cont. / S1	
NEMA Design	A	
Frame Material	Cast Iron	
Ingress Protection	55	
Tropicalization	true	
Cable Entry	1-NPT 2"	
Feet Removable	-	
Double Drilled	true	
Paint Color	Graphite Gray	
Paint RAL	7024	
Weight lb	873.18	
MECHANICAL DATA		
DE Bearing	6313C3	
NDE Bearing	6313C3	
dB No-Load	-	
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-	
Comp Ring (wavey washer)	NDE	
TORQUE VALUES		% FLT
Locked Rotor Torque	734.712	328.0
Pull-Up Torque	369.596	165.0
Breakdown Torque	665.273	297.0
Full Load Torque	223.998	100.0
SITE CONDITIONS		
Ambient Temp °C	40	
Altitude Above Sea Level m	1000	

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



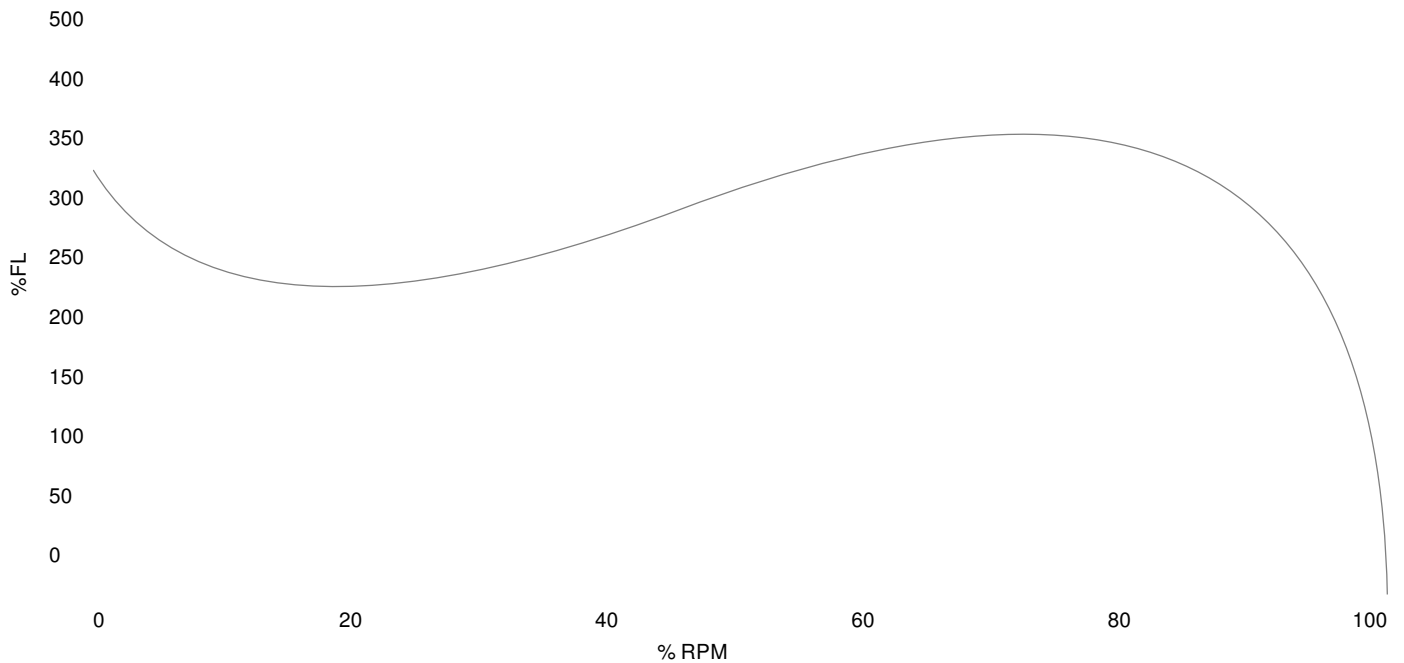
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	734.712	328.0	Start Configuration
Pull-Up Torque	369.596	165.0	Starting Current (A)
Breakdown Torque	665.273	297.0	No-Load Current (A)
Full Load	223.998	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	27.82	-	-	-	-
25	18.75	32.3	15.16	1795.3	92.0	0.59
50	37.5	47.4	29.4	1790.9	94.91	0.78
75	56.25	64.34	43.82	1786.2	95.51	0.85
100	75.0	82.84	58.45	1781.2	95.47	0.89
125	93.75	102.61	73.31	1775.9	95.15	0.9

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