



# Pump Motors

# NEMA

<b>MOTOR MODEL:</b>	GR3-CI-TF-364JM-2-BR-D-60
<b>FACTORY TYPE:</b>	TXC

## Premium NEMA Cast Iron, TEFC

<b>ELECTRICAL DATA</b>		
	60 Hz	50 Hz
Horsepower	60.0	60.0
Speed, RPM	3560	2940
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	136.41/68.2	162.4/81.2
Power Factor	0.89	-
Nominal Efficiency	93.6	91.2
3/4 Load Efficiency	-	-
Service Factor	1.15	1.0
KVA Code	L	E
FL Amps. @ 208 V	-	-
Locked Rotor Current	718.468	-
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%	90.17	0.79
75%	92.28	0.87
100%	93.07	0.89
<b>FULL LOAD TEMPERATURE RISE</b>		
FL Temp Rise °C	49.0	-
<b>3D Image Link</b>		
Not available for this motor		

<b>GENERAL DATA</b>				
Frame Size	364JM			
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	-			
Paint Color	Graphite Gray			
Paint RAL	7024			
Weight lb	761.828			
<b>MECHANICAL DATA</b>				
DE Bearing	6313C3			
NDE Bearing	6313C3			
dB No-Load	-			
Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup>	-			
Comp Ring (wavy washer)	NDE			
<b>TORQUE VALUES</b>			Torque lb-ft	% FLT
Locked Rotor Torque	382.352		432.0	
Pull-Up Torque	151.348		171.0	
Breakdown Torque	318.627		360.0	
Full Load Torque	88.5075		100.0	
<b>SITE CONDITIONS</b>				
Ambient Temp °C	40			
Altitude Above Sea Level m	1000			

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



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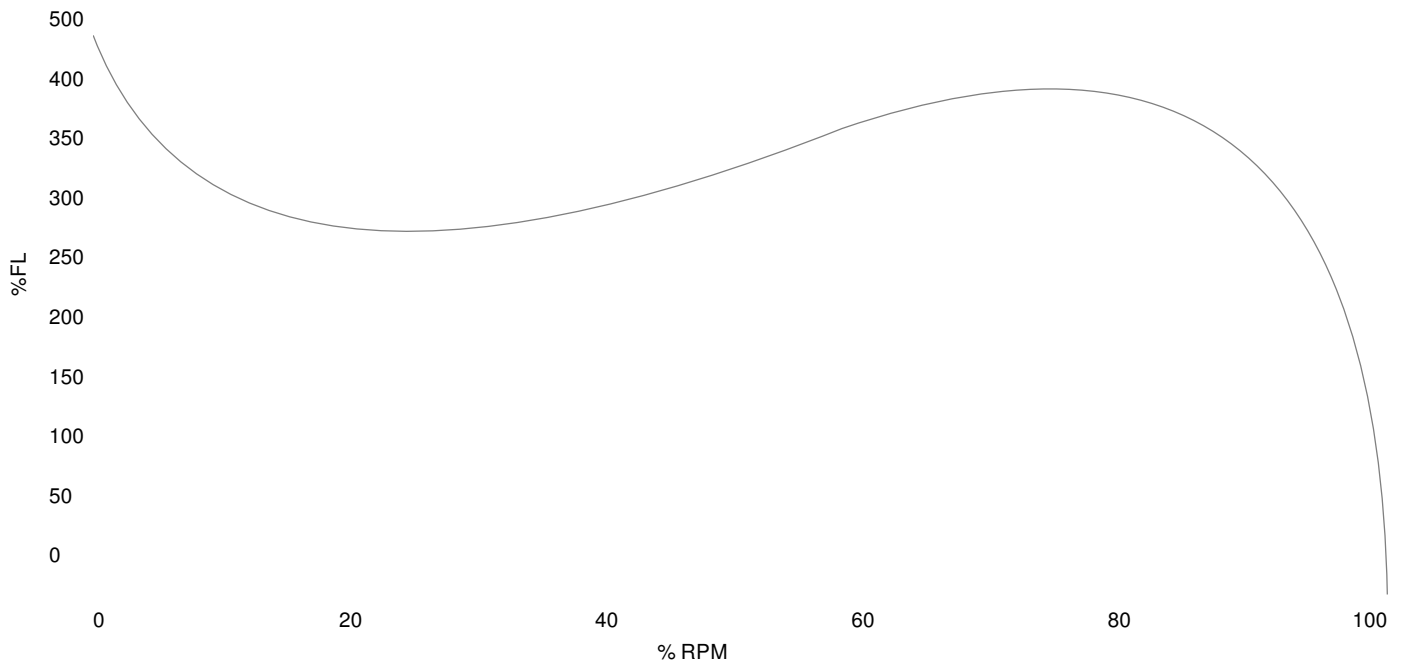
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<b>FACTORY TYPE:</b>	TXC

### Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 60.0HP, 3560 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

Torque Values	Torque lb-ft	% FLT	Performance Values
Locked Rotor Torque	382.352	432.0	Start Configuration
Pull-Up Torque	151.348	171.0	Starting Current (A)
Breakdown Torque	318.627	360.0	No-Load Current (A)
Full Load	88.5075	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	21.45	-	-	-	-
25	15.0	27.65	13.48	3593.7	83.47	0.61
50	30.0	39.47	24.95	3587.9	90.17	0.79
75	45.0	53.0	36.57	3581.7	92.28	0.87
100	60.0	67.84	48.35	3575.2	93.07	0.89
125	75.0	83.6	60.3	3568.4	93.29	0.91

Techtop Industries  
 2815 Colonnades Court  
 Peachtree Corners, GA 30071  
 Tel: 678-436-5540  
 E-Mail: info@techttopind.com