



Pump Motors

NEMA

MOTOR MODEL:	GA3-CI-TF-324JM-2-BR-D-40
FACTORY TYPE:	TFC

EPAct NEMA Cast Iron, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	40.0	40.0
Speed, RPM	3560	-
Voltage	230/460	-
# Phase	3	
Full Load Amps	93.0/46.5	-
Power Factor	0.9	-
Nominal Efficiency	91.7	-
3/4 Load Efficiency	-	-
Service Factor	1.25	-
KVA Code	G	-
FL Amps. @ 208 V	-	-
Locked Rotor Current	-	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	12	
Connection	DD/D	
Coil Resistance	0.11	
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	53.0	65.0
3D Image Link		
Not available for this motor		

GENERAL DATA			
Frame Size	324JM		
Frame Enclosure	TEFC		
Mounting	Rigid/C-Flange		
Insulation Class	F		
Duty	Cont. / S1		
NEMA Design	B		
Frame Material	Cast Iron		
Ingress Protection	55		
Tropicalization	true		
Cable Entry	1-NPT 2"		
Feet Removable	true		
Double Drilled	-		
Paint Color	Graphite Gray		
Paint RAL	7024		
Weight lb	523.0		
MECHANICAL DATA			
DE Bearing	6312 C3		
NDE Bearing	6312 C3		
dB No-Load	-		
Rotor Wk ² , Lb-Ft ²	3.85618		
Comp Ring (wavy washer)	NDE		
TORQUE VALUES		Torque lb-ft	% FLT
Locked Rotor Torque	-	-	-
Pull-Up Torque	-	-	-
Breakdown Torque	-	-	-
Full Load Torque	-	-	-
SITE CONDITIONS			
Ambient Temp °C	40		
Altitude Above Sea Level m	1000		



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Non Sinusoidal (VFD) Output 40.0HP, 3560 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

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

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	-	-	-	-	-	-
50	-	-	-	-	-	-
75	-	-	-	-	-	-
100	-	-	-	-	-	-
125	-	-	-	-	-	-