



Pump Motors

NEMA

MOTOR MODEL:	GR3-AL-TF-145JM-2-B-D-3
FACTORY TYPE:	TXA

Premium NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	3.0	3.0
Speed, RPM	3490	2860
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	7.26/3.63	8.66/4.33
Power Factor	0.88	-
Nominal Efficiency	86.5	84.4
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
KVA Code	K	H
FL Amps. @ 208 V	7.86	-
Locked Rotor Current	-	-
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	
Date Code	-	
Load	Efficiency %	P.F.
50%	-	-
75%	-	-
100%	-	-
FULL LOAD TEMPERATURE RISE		
FL Temp Rise °C	-	47.0
3D Image Link		
Not available for this motor		

GENERAL DATA	
Frame Size	145JM
Frame Enclosure	TEFC
Mounting	Rigid
Insulation Class	F
Duty	Cont. / S1
NEMA Design	B
Frame Material	Cast Aluminum
Ingress Protection	55
Tropicalization	true
Cable Entry	1-NPT 3/4"
Feet Removable	true
Double Drilled	-
Paint Color	Graphite Gray
Paint RAL	7024
Weight lb	38.0
MECHANICAL DATA	
DE Bearing	6205ZZ
NDE Bearing	6205ZZ
dB No-Load	-
Rotor Wk ² , Lb-Ft ²	-
Comp Ring (wavy washer)	NDE
TORQUE VALUES	
	Torque lb-ft % FLT
Locked Rotor Torque	- -
Pull-Up Torque	- -
Breakdown Torque	- -
Full Load Torque	- 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 Techttop for more info.



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Non Sinusoidal (VFD) Output 3.0HP, 3490 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	-	100.0	No-Load Power Factor

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	-	-	-	-	-
25	0.75	-	-	-	-	-
50	1.5	-	-	-	-	-
75	2.25	-	-	-	-	-
100	3.0	-	-	-	-	-
125	3.75	-	-	-	-	-