



Pump Motors

NEMA

MOTOR MODEL:	GA3-AL-TF-145JM-4-B-D-1.5
FACTORY TYPE:	TFA

EPAct NEMA Cast Aluminum, TEFC

ELECTRICAL DATA		
	60 Hz	50 Hz
Horsepower	1.5	1.5
Speed, RPM	1730	-
Voltage	230/460	-
# Phase	3	
Full Load Amps	4.56/2.28	-
Power Factor	0.72	-
Nominal Efficiency	84.0	-
3/4 Load Efficiency	-	-
Service Factor	1.25	-
KVA Code	K	-
FL Amps. @ 208 V	4.59	-
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	37.0	51.0
3D Image Link		
Not available for this motor		

GENERAL DATA	
Frame Size	145JM
Frame Enclosure	TEFC
Mounting	Rigid/C-Flange
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	34.5
MECHANICAL DATA	
DE Bearing	6206ZZ
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	- -
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 1.5HP, 1730 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	-	-	-	-	-	-