



# Pump Motors

# NEMA

|                      |                         |
|----------------------|-------------------------|
| <b>MOTOR MODEL:</b>  | GA3-AL-TF-145JM-2-B-D-3 |
| <b>FACTORY TYPE:</b> | TFA                     |

## EPAct NEMA Cast Aluminum, TEFC

| ELECTRICAL DATA              |              |       |
|------------------------------|--------------|-------|
|                              | 60 Hz        | 50 Hz |
| Horsepower                   | 3.0          | 3.0   |
| Speed, RPM                   | 3490         | -     |
| Voltage                      | 230/460      | -     |
| # Phase                      | 3            |       |
| Full Load Amps               | 7.78/3.89    | -     |
| Power Factor                 | 0.83         | -     |
| Nominal Efficiency           | 85.5         | -     |
| 3/4 Load Efficiency          | -            | -     |
| Service Factor               | 1.25         | -     |
| KVA Code                     | L            | -     |
| FL Amps. @ 208 V             | 7.98         | -     |
| 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              | 38.0         | 55.0  |
|                              |              |       |
| 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                                | A              |       |
| 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                                  | 50.0           |       |
|  |                |       |
| MECHANICAL DATA                            |                |       |
| DE Bearing                                 | 6206ZZ         |       |
| NDE Bearing                                | 6205ZZ         |       |
| dB No-Load                                 | -              |       |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -              |       |
| 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 Techtop for more info.



## Pump Motors

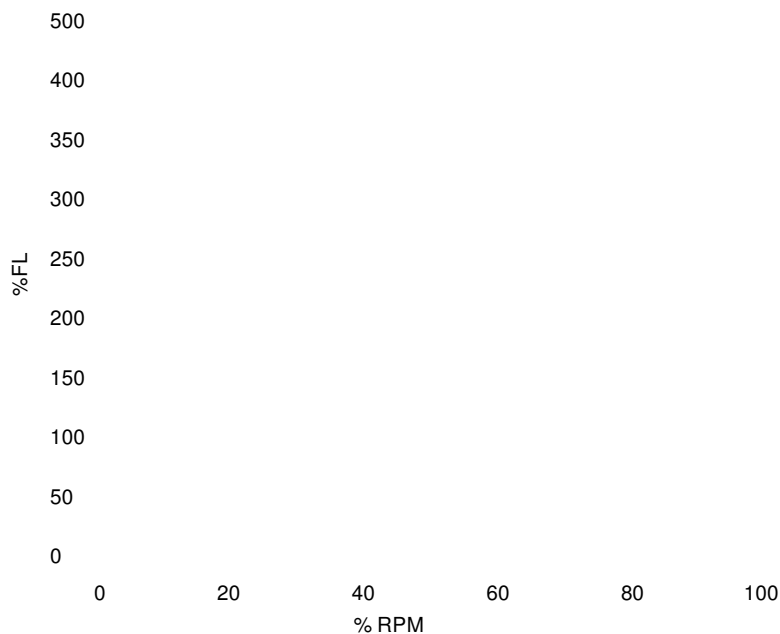
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### EPAct NEMA Cast Aluminum, TEFC

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           | -            | -     | No-Load Power Factor |

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

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