



Pump Motors

NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | GA3-CI-TF-254JM-4-BR-D-15 |
| FACTORY TYPE: | TFC |

EPAct NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|------------------------------|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 15.0 | 15.0 |
| Speed, RPM | 1760 | - |
| Voltage | 230/460 | - |
| # Phase | 3 | |
| Full Load Amps | 37.2/18.6 | - |
| Power Factor | 0.83 | - |
| Nominal Efficiency | 91.0 | - |
| 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 | 0.52 | |
| | | |
| | | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | - | - |
| 75% | - | - |
| 100% | - | - |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 48.0 | 65.0 |
| | | |
| 3D Image Link | | |
| Not available for this motor | | |

| GENERAL DATA | | | |
|--|----------------|--------------|-------|
| Frame Size | 254JM | | |
| 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 1-1/4" | | |
| Feet Removable | true | | |
| Double Drilled | - | | |
| Paint Color | Graphite Gray | | |
| Paint RAL | 7024 | | |
| Weight lb | 280.0 | | |
| | | | |
| MECHANICAL DATA | | | |
| DE Bearing | 6309 C3 | | |
| NDE Bearing | 6309 C3 | | |
| dB No-Load | - | | |
| Rotor Wk ² , Lb-Ft ² | 1.89606 | | |
| 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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EPAct NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 15.0HP, 1760 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 | - | - | - | - | - | - |