



NEMA Premium

NEMA

| | |
|----------------------|--------------------------|
| MOTOR MODEL: | GR3-CI-OP-365T-4-BR-D-75 |
| FACTORY TYPE: | - |

NEMA Cast Iron, ODP

| ELECTRICAL DATA | | |
|--|--------------|---------|
| | 60 Hz | 50 Hz |
| Horsepower | 75.0 | - |
| Speed, RPM | 1775 | 1465 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 170.8/85.4 | - |
| Power Factor | 0.87 | - |
| Nominal Efficiency | 95.0 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| KVA Code | F | F |
| FL Amps. @ 208 V | 188.9 | - |
| Locked Rotor Current | - | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 12 | |
| Connection | 4D/2D | |
| Coil Resistance | - | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | 94.75 | 0.8225 |
| 75% | 94.8 | 0.879 |
| 100% | 95.0 | 0.87 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 70.0 | - |
| | | |
| 3D Image Link | | |
| GR3-CI-OP-365T-4-BR-D-75 | | |

| GENERAL DATA | | |
|--|---------------|-------|
| Frame Size | 365T | |
| Frame Enclosure | ODP | |
| Mounting | Rigid | |
| Insulation Class | F | |
| Duty | Cont. / S1 | |
| NEMA Design | - | |
| Frame Material | Cast Iron | |
| Ingress Protection | 23 | |
| Tropicalization | true | |
| Cable Entry | - | |
| Feet Removable | - | |
| Double Drilled | - | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | 959.84 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6313C3 | |
| NDE Bearing | 6312C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavy washer) | - | |
| | | |
| TORQUE VALUES | Torque lb-ft | % FLT |
| Locked Rotor Torque | - | - |
| Pull-Up Torque | - | - |
| Breakdown Torque | - | - |
| Full Load Torque | - | - |
| | | |
| SITE CONDITIONS | | |
| Ambient Temp °C | - | |
| Altitude Above Sea Level m | - | |



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Non Sinusoidal (VFD) Output 75.0HP, 1775 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 | - | - | - | - | 94.75 | 0.8225 |
| 75 | - | - | - | - | 94.8 | 0.879 |
| 100 | - | - | - | - | 95.0 | 0.87 |
| 125 | - | - | - | - | - | - |

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