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|----------------------|---------------------------|
| Model Number: | GR3-AL-TF-100LB34-4-B-D-3 |
| MFG PN: | 846 |
| List Price: | |


All data shown at HIGH voltage setting

Format: STD 3 Phase

| Electrical Data | | | | General Data | | | |
|-------------------------------|-------------|-------------------|--|------------------------------|---------------|--------|--|
| Rated Motor Output Power | 3.0 | HP | | Frame Size | 100L | | |
| Rated Motor Speed | 1760 | r/min 60Hz | | Enclosure | TEFC | | |
| | 1455 | r/min 50Hz | | Mounting | B34 | | |
| Rated Motor Voltage (3 Phase) | 230/460 | V/60Hz | | NEMA Design | - | | |
| | 190/380 | V/50Hz | | IP Rating | 55 | | |
| Rated Motor Current | 7.71/3.86 | A (In) @ 60Hz | | Insulation Class | F | | |
| | 9.02/4.51 | A (In) @ 50Hz | | Tropicalization | 1 | | |
| FL Current @ 208V | None | A (In) @ 60Hz | | Duty | Cont. / S1 | | |
| Service Factor | 1.15 | @ 60Hz | | Cable Entry | 1-M20X1.5 | | |
| | 1.15 | @ 50Hz | | Feet Removable | 1 | | |
| KVA Code | L | 60Hz | | Double Drilled | 0 | | |
| | J | 50Hz | | Frame Material | Cast Aluminum | | |
| Nominal Efficiency | 89.5 | % @ 60Hz | | Shaft Material | 1045 | | |
| | 81.0 | % @ 50Hz | | Coating | RAL | 7024 | |
| Nominal Power Factor | 0.8 | cos ϕ @ 60Hz | | | | | |
| Full Load Torque Ft-Lb | S | | | Mechanical Data | | | |
| Load Data | Trq Ft-Lb | Trq %FL | Current Amps | Bearing DE Side | 6206ZZ | | |
| Locked Rotor | | | | Bearing NDE Side | 6206ZZ | | |
| Breakdown | 12.8217804 | 424.0 | - | Comp Ring (wavey washer) | None | | |
| Pull Up | 8.920814196 | 295.0 | - | Weight | 58.0 | Lbs | |
| Load Data | RPM | Eff % | Current Amps | Moment of Inertia | None | kg.m3 | |
| 125% of FL | 3478.6 | 85.632 | 3.1236 | Site Conditions | | | |
| 75% of FL | 3531.7 | 85.93 | 2.097 | Temp Rise @ Full Load °C | B | @ 60Hz | |
| 50% of FL | 3555.2 | 83.538 | 1.699 | Ambient Temperature °C | 40 | | |
| No Load | 1199.0 | 0 | 1.3 | Altitude Above Sea Level (M) | 1000 | | |
| Brake Torque (N-M) | 100.0 | | Loaded Torque Curves | | None | | |
| Brake Coil Voltage | None | | P1 = Output Power (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cos ϕ = Power Factor | | | | |

| | | |
|------------------------|------------------------------|--|
| CT VFD Range | | |
| Haz Loc Rating | | |
| Options: | | |
| UL File Number | | |
| CSA File Number | | |
| DOE File Number | | |
| CE APPROVAL | | |
| Wiring Diagram | IEC-3-9-YY-Y-100-1324 | |

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Dimensional Drawing (For Reference Only)

T100 B34

| Components | | | |
|--------------------------|-------|-------------|------------|
| Item | Model | Description | List Price |
| C-Face Kit | | | |
| D-Flange Kit | | | |
| DE Endplate Kit | | | |
| NDE Endplate Kit | | | |
| Junction Box | | | |
| Cooling Fan Cover | | | |
| Cooling Fan | | | |
| Replacement Feet | | | |
| DE Bearing Retainer Kit | | | |
| NDE Bearing Retainer Kit | | | |

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