# NEMA

## Model JPC0254FP
MFG PN: T284T 25U4B

| ELECTRICAL DATA | | |
|---|---|---|
| Rated Motor Output Power | 25 | HP |
| | - | kW |
| Rated Motor Speed | 1775 | r/min 60Hz |
| | - | r/min 50Hz |
| Rated Motor Voltage (+/-10%) | 575 | V/60Hz |
| | - | V/50Hz |
| Rated Motor Current | 23.27 | A ($I_n$) @ 60Hz |
| | - | A ($I_n$) @ 50Hz |
| Phase | 3 | Ø |
| Locked Rotor Current @ High Voltage | 216.88 | A ($I_n$) @ 60Hz |
| FI Current @ 208V | - | A ($I_n$) @ 60Hz |
| Service Factor | 1.25 | @ 60Hz |
| | - | @ 50Hz |
| KVA Code | K | 60Hz |
| | - | 50Hz |
| Nominal Efficiency | 93.6 | % @ 60Hz |
| Nominal Power Factor | 0.86 | cosΦ @ 60Hz |
| Leads (Qty, Size) | 6 | 12 |
| Connection | D | – |
| Coil Resistance | 20.2 | Ω |
| Start Capacitor | - | µF/V |
| Run Capacitor | - | µF/V |
| **VFD DUTY (S.F. 1.0)** | **RATIO** | **Hz** |
| Variable Torque | 1000:1 | 2 - 60 |
| Constant Torque | 15:1 | 4 - 60 |
| **FULL LOAD TEMPERATURE RISE** | | |
| Full Load Temperature Rise | 50.7 | °C @ 60Hz |
| | 62 | °C @ 50Hz |

| GENERAL DATA | | |
|---|---|---|
| Frame Size | 284JP | |
| Enclosure | TEFC | |
| Mounting | Rigid/C-Flange | |
| Approximate Weight (lbs.) | 395.1 lbs. | |
| Casing Material / Fan Cover | Cast Iron | Cast Iron |
| Shaft Material | 304 SS | |
| NEMA Design | A | |
| Degree of Protection (IP) | 55 | |
| Insulation Class / Temp Rise (60Hz) | F | B |
| Tropicalization | YES | |
| Duty | Cont. / S1 | |
| Conduit Box Location | F1 | |
| Feet Removable / Double Drilled | YES | NO |
| Paintwork | 7024 | |
| | Graphite Gray | |
| **MECHANICAL DATA** | | |
| Bearing DE Side | 6311 C3 | |
| Bearing ODE Side | 6311 C3 | |
| Grease Type | Mobil Polyrex EM | |
| Compensation Ring (wavy washer) | NDE | |
| Moment of Inertia (lb-ft$^2$) | 3.57 | |
| Sound Pressure @ 3 FT dBA | 79.2 | |
| **SITE CONDITIONS** | | |
| Ambient Temperature (°C) | 40 | |
| Meters Above Sea Level (MASL) | 1000 | |
| **HAZARDOUS LOCATIONS** | | |
| CSA Certified | A, B, C & D | |
| Temperature Code | T3A | - |