

**NEMA**

**Model JPC0304FP**  
**MFG PN: T286T 30U4B**

| ELECTRICAL DATA                     |        |                            |
|-------------------------------------|--------|----------------------------|
| Rated Motor Output Power            | 30     | HP                         |
|                                     | -      | kW                         |
| Rated Motor Speed                   | 1775   | r/min 60Hz                 |
|                                     | -      | r/min 50Hz                 |
| Rated Motor Voltage (+/-10%)        | 575    | V/60Hz                     |
|                                     | -      | V/50Hz                     |
| Rated Motor Current                 | 27.92  | A (I <sub>n</sub> ) @ 60Hz |
|                                     | -      | A (I <sub>n</sub> ) @ 50Hz |
| Phase                               | 3      | Ø                          |
| Locked Rotor Current @ High Voltage | 281.04 | A (I <sub>n</sub> ) @ 60Hz |
| FI Current @ 208V                   | -      | A (I <sub>n</sub> ) @ 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      | 10                         |
| Connection                          | D      | -                          |
| Coil Resistance                     | 21.3   | 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          | 59.6   | °C @ 60Hz                  |
|                                     | 82.2   | °C @ 50Hz                  |

| GENERAL DATA                        |                  |           |
|-------------------------------------|------------------|-----------|
| Frame Size                          | 286JP            |           |
| Enclosure                           | TEFC             |           |
| Mounting                            | Rigid/C-Flange   |           |
| Approximate Weight (lbs.)           | 426 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              | YES       |
| 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-ft²)          | 4.04             |           |
| 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              | -         |

**Questions? Call 1.888.286.1820**