



NEMA Premium

NEMA

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| MOTOR MODEL: | WX3-AL-TF-182TC-4-B-D-3 |
| FACTORY TYPE: | TXA |

Premium NEMA Cast Aluminum, TEFC

| ELECTRICAL DATA | | |
|------------------------------|---------------------|-------------|
| | 60 Hz | 50 Hz |
| Horsepower | 3.0 | 3.0 |
| Speed, RPM | 1760 | 1455 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 7.62/3.81 | 8.86/4.43 |
| Power Factor | 0.81 | - |
| Nominal Efficiency | 89.5 | 88.4 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | L | J |
| FL Amps. @ 208 V | 8.03 | - |
| Locked Rotor Current | 37.7244 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 9 | |
| Connection | YY/Y | |
| Coil Resistance | - | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | - | - |
| 75% | - | - |
| 100% | - | - |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 24.0 | 24.0 |
| | | |
| 3D Image Link | | |
| Not available for this motor | | |

| GENERAL DATA | | | |
|--|----------------|--------------|-------|
| Frame Size | 182TC | | |
| Frame Enclosure | TEFC | | |
| Mounting | Rigid/C-Flange | | |
| Insulation Class | F | | |
| Duty | Cont. / S1 | | |
| NEMA Design | A | | |
| Frame Material | Cast Aluminum | | |
| Ingress Protection | 56 | | |
| Tropicalization | true | | |
| Cable Entry | 1-NPT 3/4" | | |
| Feet Removable | true | | |
| Double Drilled | - | | |
| Paint Color | - | | |
| Paint RAL | - | | |
| Weight lb | 62.0 | | |
| | | | |
| MECHANICAL DATA | | | |
| DE Bearing | 6306ZZ | | |
| NDE Bearing | 6206ZZ | | |
| dB No-Load | - | | |
| Rotor Wk ² , Lb-Ft ² | - | | |
| Comp Ring (wavy washer) | - | | |
| | | | |
| TORQUE VALUES | | Torque lb-ft | % FLT |
| Locked Rotor Torque | 22.7706 | 259.0 | |
| Pull-Up Torque | - | - | |
| Breakdown Torque | 21.8035 | 248.0 | |
| Full Load Torque | 8.79174 | 100.0 | |
| | | | |
| SITE CONDITIONS | | | |
| Ambient Temp °C | 40 | | |
| Altitude Above Sea Level m | 1000 | | |

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Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 3.0HP, 1760 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 22.7706 | 259.0 | Start Configuration |
| Pull-Up Torque | - | - | Starting Current (A) |
| Breakdown Torque | 21.8035 | 248.0 | No-Load Current (A) |
| Full Load | 8.79174 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0 | - | 1.95 | - | - | - | - |
| 25 | 0.75 | - | - | - | - | - |
| 50 | 1.5 | - | - | - | - | - |
| 75 | 2.25 | - | - | - | - | - |
| 100 | 3.0 | - | - | - | - | - |
| 125 | 3.75 | - | - | - | - | - |