



NEMA Premium

NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | OX3-CI-TF-445T-4-RR-E-150 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|---|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 150.0 | 150.0 |
| Speed, RPM | 1780 | 1480 |
| Voltage | 460 | 380 |
| # Phase | 3 | |
| Full Load Amps | 166.595569 | 200 |
| Power Factor | 0.88 | - |
| Nominal Efficiency | 95.8 | 94.3 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| KVA Code | H | D |
| FL Amps. @ 208 V | - | - |
| Locked Rotor Current | 1941.71 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 6 | |
| Connection | D | |
| Coil Resistance | - | |
| | | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | 94.76 | 0.77 |
| 75% | 95.48 | 0.85 |
| 100% | 95.52 | 0.88 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 60.0 | - |
| | | |
| 3D Image Link | | |
| OX3-CI-TF-445T-4-RR-E-150 | | |

| GENERAL DATA | | | |
|--|---------------|--------------|-------|
| Frame Size | 445T | | |
| Frame Enclosure | TEFC | | |
| Mounting | Rigid | | |
| Insulation Class | F | | |
| Duty | Cont. / S1 | | |
| NEMA Design | C | | |
| Frame Material | Cast Iron | | |
| Ingress Protection | 55 | | |
| Tropicalization | true | | |
| Cable Entry | 1-NPT 3" | | |
| Feet Removable | - | | |
| Double Drilled | true | | |
| Paint Color | Graphite Gray | | |
| Paint RAL | 7024 | | |
| Weight lb | 1631.7 | | |
| | | | |
| MECHANICAL DATA | | | |
| DE Bearing | NU319 | | |
| NDE Bearing | 6319C3 | | |
| dB No-Load | - | | |
| Rotor Wk ² , Lb-Ft ² | - | | |
| Comp Ring (wavey washer) | DE | | |
| | | | |
| TORQUE VALUES | | Torque lb-ft | % FLT |
| Locked Rotor Torque | 1962.2 | 455.0 | |
| Pull-Up Torque | 983.256 | 228.0 | |
| Breakdown Torque | 2005.32 | 465.0 | |
| Full Load Torque | 431.253 | 100.0 | |
| | | | |
| SITE CONDITIONS | | | |
| Ambient Temp °C | 40 | | |
| Altitude Above Sea Level m | 1000 | | |

Techtop Industries
 2815 Colonnades Court
 Peachtree Corners, GA 30071
 Tel: 678-436-5540
 E-Mail: info@techttopind.com



NEMA Premium

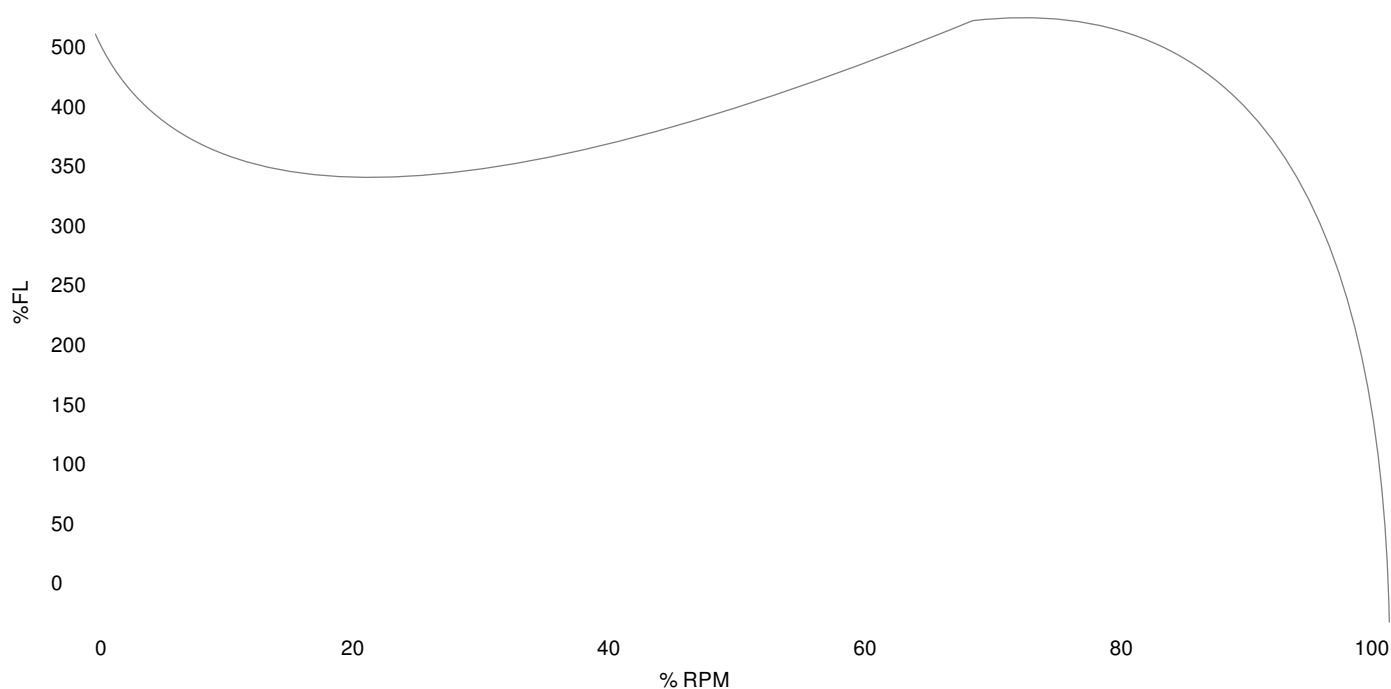
| | |
|----------------------|---------------------------|
| MOTOR MODEL: | OX3-CI-TF-445T-4-RR-E-150 |
| FACTORY TYPE: | TXC |

NEMA

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 150.0HP, 1780 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 1962.2 | 455.0 | Start Configuration |
| Pull-Up Torque | 983.256 | 228.0 | Starting Current (A) |
| Breakdown Torque | 2005.32 | 465.0 | No-Load Current (A) |
| Full Load | 431.253 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 65.07 | - | - | - | - |
| 25 | 37.5 | 78.63 | 34.53 | 1797.4 | 91.59 | 0.55 |
| 50 | 75.0 | 109.21 | 66.75 | 1794.9 | 94.76 | 0.77 |
| 75 | 112.5 | 146.37 | 99.37 | 1792.3 | 95.48 | 0.85 |
| 100 | 150.0 | 187.92 | 132.44 | 1789.6 | 95.52 | 0.88 |
| 125 | 187.5 | 214.06 | 152.51 | 1787.9 | 95.39 | 0.89 |

Techtop Industries
 2815 Colonnades Court
 Peachtree Corners, GA 30071
 Tel: 678-436-5540
 E-Mail: info@techttopind.com