



NEMA Premium

**NEMA**

|                      |                           |
|----------------------|---------------------------|
| <b>MOTOR MODEL:</b>  | OX3-CI-TF-447T-6-RR-E-150 |
| <b>FACTORY TYPE:</b> | TXC                       |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA                           |              |       |
|---|--------------|-------|
|   | 60 Hz        | 50 Hz |
| Horsepower                                | 150.0        | 150.0 |
| Speed, RPM                                | 1180         | 980   |
| Voltage                                   | 460          | 380   |
| # Phase                                   | 3            |       |
| Full Load Amps                            | 170.4698846  | 205   |
| Power Factor                              | 0.87         | -     |
| Nominal Efficiency                        | 95.8         | 94.0  |
| 3/4 Load Efficiency                       | -            | -     |
| Service Factor                            | 1.15         | 1.0   |
| KVA Code                                  | H            | E     |
| FL Amps. @ 208 V                          | -            | -     |
| Locked Rotor Current                      | 1740.58      | -     |
| Start Capacitor                           | -            |       |
| Start Capacitor V                         | -            |       |
| Run Capacitor                             | -            |       |
| Run Capacitor V                           | -            |       |
| Number of Leads                           | 6            |       |
| Connection                                | D            |       |
| Coil Resistance                           | -            |       |
| Date Code                                 | -            |       |
|   |              |       |
| Load                                      | Efficiency % | P.F.  |
| 50%                                       | 94.27        | 0.68  |
| 75%                                       | 95.08        | 0.79  |
| 100%                                      | 95.13        | 0.83  |
|   |              |       |
| FULL LOAD TEMPERATURE RISE                |              |       |
| FL Temp Rise °C                           | 86.0         | -     |
|   |              |       |
| 3D Image Link                             |              |       |
| <a href="#">OX3-CI-TF-447T-6-RR-E-150</a> |              |       |

| GENERAL DATA                               |               |       |
|--|---------------|-------|
| Frame Size                                 | 447T          |       |
| 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                                | 2-NPT 3"      |       |
| Feet Removable                             | -             |       |
| Double Drilled                             | true          |       |
| Paint Color                                | Graphite Gray |       |
| Paint RAL                                  | 7024          |       |
| Weight lb                                  | 2041.83       |       |
|  |               |       |
| MECHANICAL DATA                            |               |       |
| DE Bearing                                 | NU319         |       |
| NDE Bearing                                | 6319C3        |       |
| dB No-Load                                 | -             |       |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -             |       |
| Comp Ring (wavey washer)                   | None          |       |
|  |               |       |
| TORQUE VALUES                              |               |       |
|  | Torque lb-ft  | % FLT |
| Locked Rotor Torque                        | 2127.76       | 279.0 |
| Pull-Up Torque                             | 1677.81       | 220.0 |
| Breakdown Torque                           | 2547.22       | 334.0 |
| Full Load Torque                           | 762.639       | 100.0 |
|  |               |       |
| SITE CONDITIONS                            |               |       |
| Ambient Temp °C                            | 40            |       |
| Altitude Above Sea Level m                 | 1000          |       |

\*This report valid for above Date Code and newer models, please contact Techtop for more info.



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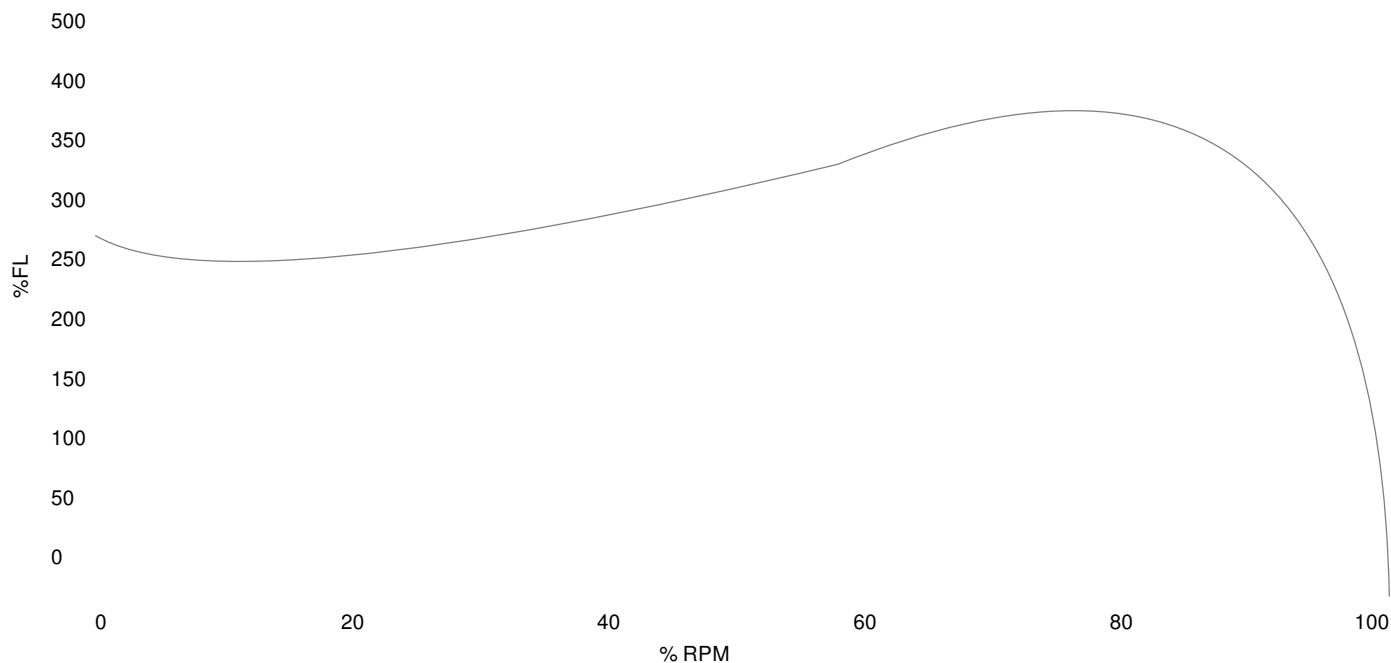
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Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 150.0HP, 1180 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 2127.76      | 279.0 | Start Configuration  |
| Pull-Up Torque      | 1677.81      | 220.0 | Starting Current (A) |
| Breakdown Torque    | 2547.22      | 334.0 | No-Load Current (A)  |
| Full Load           | 762.639      | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 84.78         | -                      | -          | -          | -    |
| 25     | 37.5       | 96.55         | 35.54                  | 1197.9     | 90.75      | 0.46 |
| 50     | 75.0       | 125.58        | 68.42                  | 1196.0     | 94.27      | 0.68 |
| 75     | 112.5      | 162.53        | 101.76                 | 1193.9     | 95.08      | 0.79 |
| 100    | 150.0      | 205.53        | 135.61                 | 1191.6     | 95.13      | 0.83 |
| 125    | 187.5      | 252.72        | 170.0                  | 1189.2     | 94.85      | 0.84 |

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