NEMA Premium

# NEMA

| MOTOR MODEL: | WX3-AL-TF-184T-2-B-D-5 |
|---|---|
| FACTORY TYPE: | TXA |

## Premium NEMA Cast Aluminum, TEFC

| ELECTRICAL DATA | | |
|---|---|---|
| | 60 Hz | 50 Hz |
| Horsepower | 5.0 | 5.0 |
| Speed, RPM | 3510 | 2900 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 11.5/5.77 | 13.5/6.75 |
| Power Factor | 0.91 | - |
| Nominal Efficiency | 88.5 | 87.1 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | L | J |
| FL Amps. @ 208 V | 12.7 | - |
| LRC @ 60Hz HV | 45.0 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 9 | |
| Connection | YY/Y | |
| Coil Resistance | - | |
| Date Code | - | |
| | | |
| **Load** | **Efficiency %** | **P.F.** |
| 50% | 88.0 | 0.7579 |
| 75% | 88.8 | 0.8573 |
| 100% | 88.5 | 0.87 |
| | | |
| **FULL LOAD TEMPERATURE RISE** | | |
| FL Temp Rise °C | 45.0 | 45.0 |
| | | |
| **3D Image Link** | | |
| WX3-AL-TF-184T-2-B-D-5 | | |

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

| GENERAL DATA | |
|---|---|
| Frame Size | 184T |
| Frame Enclosure | TEFC |
| Mounting | Rigid |
| 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 $Wk^2$, $Lb\text{-}Ft^2$ | - |
| Comp Ring (wavey washer) | NDE |

| TORQUE VALUES | Torque lb-ft | % FLT |
|---|---|---|
| Locked Rotor Torque | 22.3368 | 299.0 |
| Pull-Up Torque | 17.9292 | 240.0 |
| Breakdown Torque | 32.8703 | 440.0 |
| Full Load Torque | 7.47051 | - |
| | | |
| **SITE CONDITIONS** | | |
| Ambient Temp °C | 40 | |
| Altitude Above Sea Level m | 1000 | |

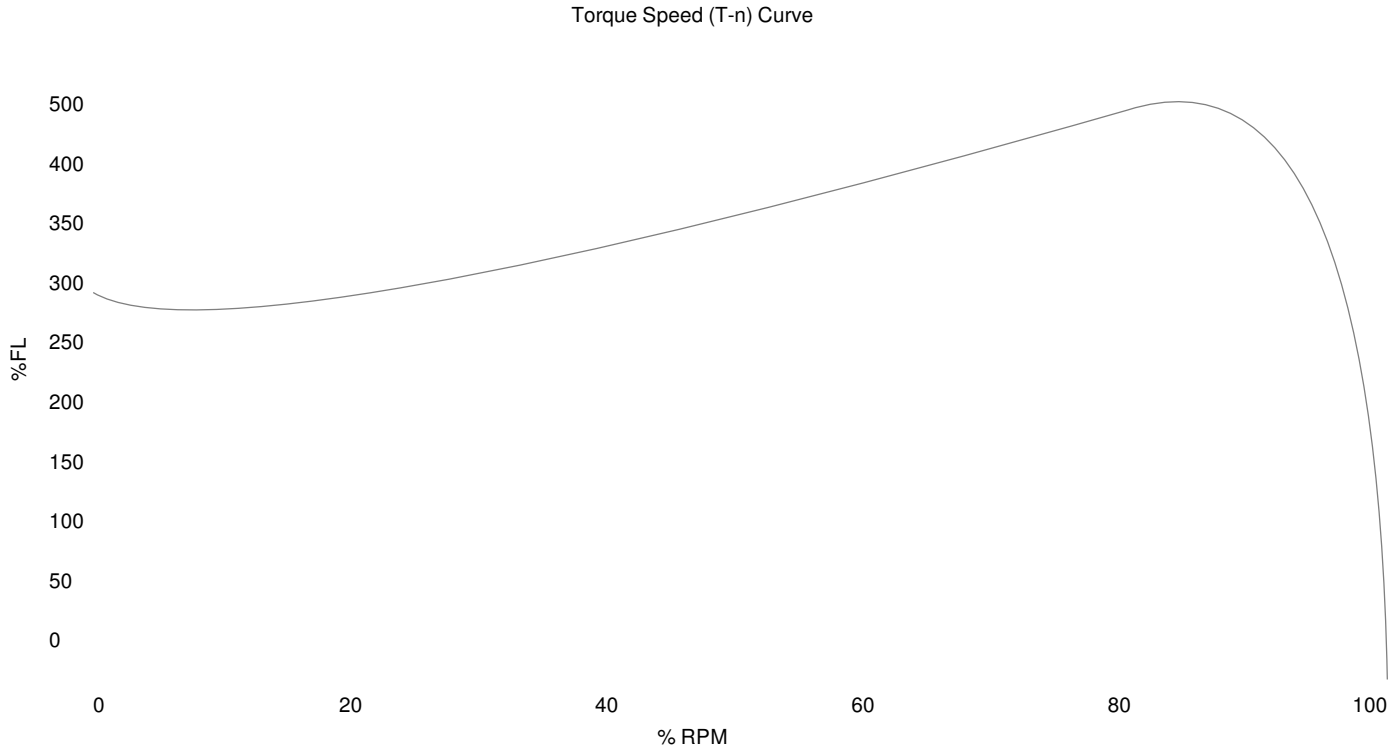
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| | |
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| **FACTORY TYPE:** | TXA |

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Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values | |
|---|---|---|---|---|
| Locked Rotor Torque | 22.3368 | 299.0 | Start Configuration | - |
| Pull-Up Torque | 17.9292 | 240.0 | Starting Current (A) | - |
| Breakdown Torque | 32.8703 | 440.0 | No-Load Current (A) | - |
| Full Load | 7.47051 | - | No-Load Power Factor | - |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|---|---|---|---|---|---|---|
| 0 | 0.0 | 2.01 | - | - | 0.0 | - |
| 25 | 1.25 | 2.654 | 1.11458 | 3579.0 | 83.63 | 0.5257 |
| 50 | 2.5 | 3.499 | 2.11847 | 3561.0 | 88.0 | 0.7579 |
| 75 | 3.75 | 4.599 | 3.14907 | 3542.0 | 88.8 | 0.8573 |
| 100 | 5.0 | 6.1 | 4.21299 | 3510.0 | 88.5 | 0.87 |
| 125 | 6.25 | 7.178 | 5.30159 | 3501.0 | 87.91 | 0.9247 |


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