



NEMA Premium

**NEMA**

|                      |                       |
|----------------------|-----------------------|
| <b>MOTOR MODEL:</b>  | WX3-AL-TF-56C-4-B-D-1 |
| <b>FACTORY TYPE:</b> | TXA                   |

Premium NEMA Cast Aluminum, TEFC

| ELECTRICAL DATA                       |                |           |
|---------------------------------------|----------------|-----------|
|                                       | 60 Hz          | 50 Hz     |
| Horsepower                            | 1.0            | 1.0       |
| Speed, RPM                            | 1745           | 1430      |
| Voltage                               | 208-230/460    | 190/380   |
| # Phase                               | 3              |           |
| Full Load Amps                        | 3.52-3.18/1.59 | 3.56/1.78 |
| Power Factor                          | 0.69           | -         |
| Nominal Efficiency                    | 85.5           | 83.0      |
| 3/4 Load Efficiency                   | -              | -         |
| Service Factor                        | 1.25           | 1.0       |
| KVA Code                              | L              | H         |
| FL Amps. @ 208 V                      | 3.52           | -         |
| Locked Rotor Current                  | 12.1502        | -         |
| 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%                                   | -              | -         |
| 75%                                   | -              | -         |
| 100%                                  | -              | -         |
| FULL LOAD TEMPERATURE RISE            |                |           |
| FL Temp Rise °C                       | 26.0           | -         |
|                                       |                |           |
| 3D Image Link                         |                |           |
| <a href="#">WX3-AL-TF-56C-4-B-D-1</a> |                |           |

| GENERAL DATA                               |                |       |
|--|----------------|-------|
| Frame Size                                 | 56C            |       |
| Frame Enclosure                            | TEFC           |       |
| Mounting                                   | Rigid/C-Flange |       |
| Insulation Class                           | F              |       |
| Duty                                       | Cont. / S1     |       |
| NEMA Design                                | B              |       |
| Frame Material                             | Cast Aluminum  |       |
| Ingress Protection                         | 56             |       |
| Tropicalization                            | true           |       |
| Cable Entry                                | 1-NPT 1/2"     |       |
| Feet Removable                             | true           |       |
| Double Drilled                             | -              |       |
| Paint Color                                | -              |       |
| Paint RAL                                  | -              |       |
| Weight lb                                  | 25.7           |       |
|  |                |       |
| MECHANICAL DATA                            |                |       |
| DE Bearing                                 | 6204ZZ         |       |
| NDE Bearing                                | 6204ZZ         |       |
| dB No-Load                                 | -              |       |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -              |       |
| Comp Ring (wavy washer)                    | NDE            |       |
|  |                |       |
| TORQUE VALUES                              | Torque lb-ft   | % FLT |
| Locked Rotor Torque                        | 11.4307        | 378.0 |
| Pull-Up Torque                             | 10.9771        | 363.0 |
| Breakdown Torque                           | 13.5778        | 449.0 |
| Full Load Torque                           | 3.024          | 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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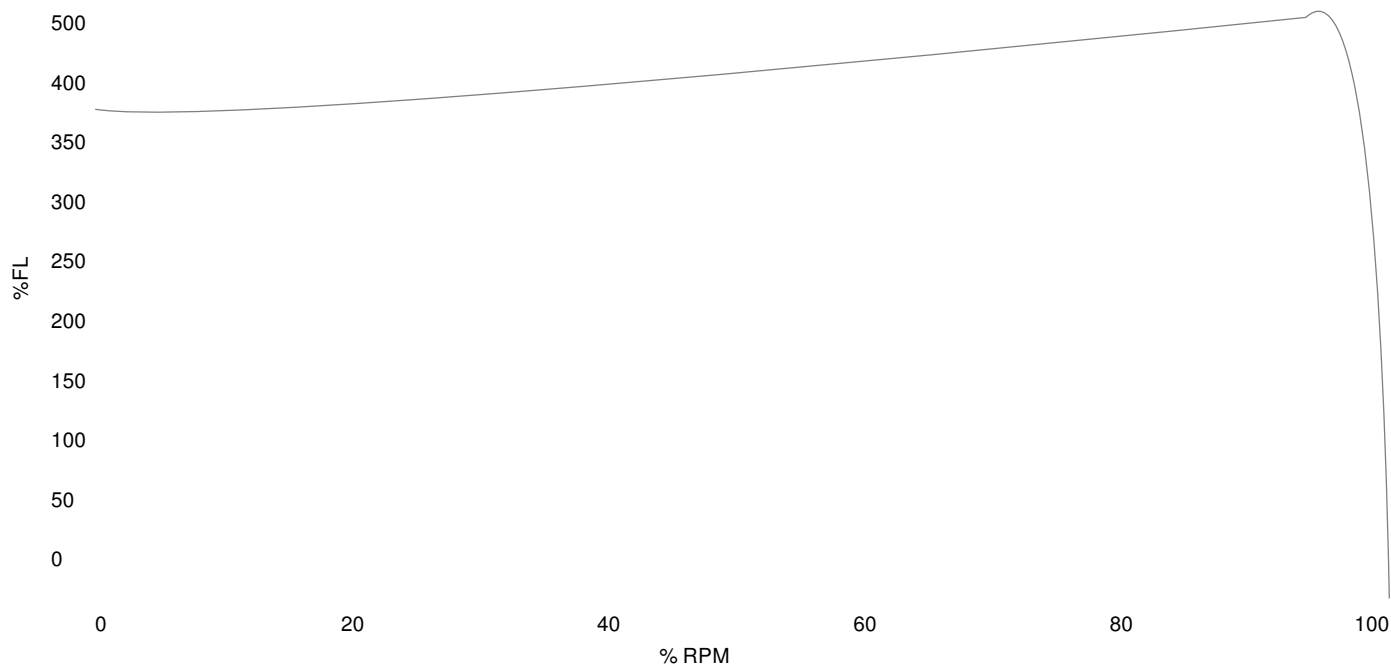
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Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 1.0HP, 1745 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 11.4307      | 378.0 | Start Configuration  |
| Pull-Up Torque      | 10.9771      | 363.0 | Starting Current (A) |
| Breakdown Torque    | 13.5778      | 449.0 | No-Load Current (A)  |
| Full Load           | 3.024        | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0      | -          | 1.12          | -                      | -          | -          | -  |
| 25     | 0.25       | -             | -                      | -          | -          | -  |
| 50     | 0.5        | -             | -                      | -          | -          | -  |
| 75     | 0.75       | -             | -                      | -          | -          | -  |
| 100    | 1.0        | -             | -                      | -          | -          | -  |
| 125    | 1.25       | -             | -                      | -          | -          | -  |

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