



NEMA Premium

**NEMA**

|                      |                         |
|----------------------|-------------------------|
| <b>MOTOR MODEL:</b>  | WX3-AL-TF-56C-2-B-D-1.5 |
| <b>FACTORY TYPE:</b> | TXA                     |

Premium NEMA Cast Aluminum, TEFC

| ELECTRICAL DATA                         |                     |             |
|---|---------------------|-------------|
|   | 60 Hz               | 50 Hz       |
| Horsepower                              | 1.5                 | 1.5         |
| Speed, RPM                              | 3500                | 2870        |
| Voltage                                 | 208-230/460         | 190/380     |
| # Phase                                 | 3                   |             |
| Full Load Amps                          | 4.2-3.9/1.95        | 4.68/2.34   |
| Power Factor                            | 0.84                | -           |
| Nominal Efficiency                      | 84.0                | 82.0        |
| 3/4 Load Efficiency                     | -                   | -           |
| Service Factor                          | 1.25                | 1.0         |
| KVA Code                                | M                   | H           |
| FL Amps. @ 208 V                        | 4.2                 | -           |
| Locked Rotor Current                    | 19.0515             | -           |
| Start Capacitor                         | -                   |             |
| Start Capacitor V                       | -                   |             |
| Run Capacitor                           | -                   |             |
| Run Capacitor V                         | -                   |             |
| Number of Leads                         | 9                   |             |
| Connection                              | YY/Y                |             |
| Coil Resistance                         | -                   |             |
| Date Code                               | -                   |             |
|   |                     |             |
| <b>Load</b>                             | <b>Efficiency %</b> | <b>P.F.</b> |
| 50%                                     | -                   | -           |
| 75%                                     | -                   | -           |
| 100%                                    | -                   | -           |
|   |                     |             |
| FULL LOAD TEMPERATURE RISE              |                     |             |
| FL Temp Rise °C                         | 40.5                | -           |
|   |                     |             |
| <b>3D Image Link</b>                    |                     |             |
| <a href="#">WX3-AL-TF-56C-2-B-D-1.5</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                                  | 24.1           |       |              |       |
|  |                |       |              |       |
| 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                        | 7.10862        | 316.0 |              |       |
| Pull-Up Torque                             | 6.05133        | 269.0 |              |       |
| Breakdown Torque                           | 8.36838        | 372.0 |              |       |
| Full Load Torque                           | 2.24956        | 100.0 |              |       |
|  |                |       |              |       |
| SITE CONDITIONS                            |                |       |              |       |
| Ambient Temp °C                            | 40             |       |              |       |
| Altitude Above Sea Level m                 | 1000           |       |              |       |



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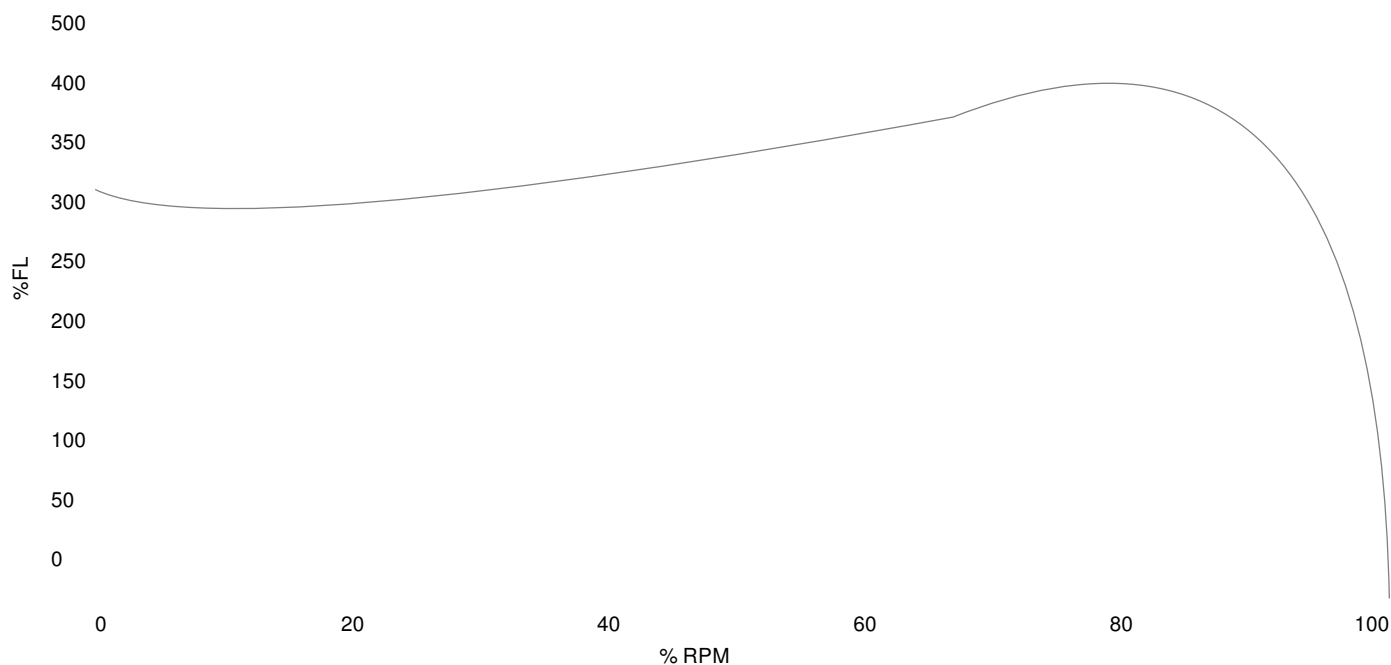
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|----------------------|-------------------------|
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Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 1.5HP, 3500 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 7.10862      | 316.0 | Start Configuration  |
| Pull-Up Torque      | 6.05133      | 269.0 | Starting Current (A) |
| Breakdown Torque    | 8.36838      | 372.0 | No-Load Current (A)  |
| Full Load           | 2.24956      | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0      | -          | 0.99          | -                      | -          | -          | -  |
| 25     | 0.375      | -             | -                      | -          | -          | -  |
| 50     | 0.75       | -             | -                      | -          | -          | -  |
| 75     | 1.125      | -             | -                      | -          | -          | -  |
| 100    | 1.5        | -             | -                      | -          | -          | -  |
| 125    | 1.875      | -             | -                      | -          | -          | -  |

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