



NEMA Premium

# NEMA

|                      |                        |
|----------------------|------------------------|
| <b>MOTOR MODEL:</b>  | WX3-AL-TF-143T-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                             | 1730                | 1425        |
| Voltage                                | 230/460             | 190/380     |
| # Phase                                | 3                   |             |
| Full Load Amps                         | 2.98/1.49           | 3.50/1.75   |
| Power Factor                           | 0.74                | -           |
| Nominal Efficiency                     | 85.5                | 83.2        |
| 3/4 Load Efficiency                    | -                   | -           |
| Service Factor                         | 1.25                | 1.0         |
| KVA Code                               | K                   | G           |
| FL Amps. @ 208 V                       | 3.1                 | -           |
| Locked Rotor Current                   | -                   | -           |
| Start Capacitor                        | -                   |             |
| Start Capacitor V                      | -                   |             |
| Run Capacitor                          | -                   |             |
| Run Capacitor V                        | -                   |             |
| Number of Leads                        | 9                   |             |
| Connection                             | YY/Y                |             |
| Coil Resistance                        | -                   |             |
|  |                     |             |
| <b>Load</b>                            | <b>Efficiency %</b> | <b>P.F.</b> |
| 50%                                    | -                   | -           |
| 75%                                    | -                   | -           |
| 100%                                   | -                   | -           |
|  |                     |             |
| FULL LOAD TEMPERATURE RISE             |                     |             |
| FL Temp Rise °C                        | -                   | 26.0        |
|  |                     |             |
| 3D Image Link                          |                     |             |
| <a href="#">WX3-AL-TF-143T-4-B-D-1</a> |                     |             |

| GENERAL DATA                               |               |              |       |
|--|---------------|--------------|-------|
| Frame Size                                 | 143T          |              |       |
| Frame Enclosure                            | TEFC          |              |       |
| Mounting                                   | Rigid         |              |       |
| Insulation Class                           | F             |              |       |
| Duty                                       | Cont. / S1    |              |       |
| NEMA Design                                | B             |              |       |
| 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                                  | 28.0          |              |       |
|  |               |              |       |
| MECHANICAL DATA                            |               |              |       |
| DE Bearing                                 | 6205ZZ        |              |       |
| NDE Bearing                                | 6205ZZ        |              |       |
| 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                        | -             | -            | -     |
| Pull-Up Torque                             | -             | -            | -     |
| Breakdown Torque                           | -             | -            | -     |
| Full Load Torque                           | -             | -            | 100.0 |
|  |               |              |       |
| SITE CONDITIONS                            |               |              |       |
| Ambient Temp °C                            | 40            |              |       |
| Altitude Above Sea Level m                 | 1000          |              |       |



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Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 1.0HP, 1730 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | -            | -     | Start Configuration  |
| Pull-Up Torque      | -            | -     | Starting Current (A) |
| Breakdown Torque    | -            | -     | No-Load Current (A)  |
| Full Load           | -            | 100.0 | No-Load Power Factor |

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