





NEMA Premium

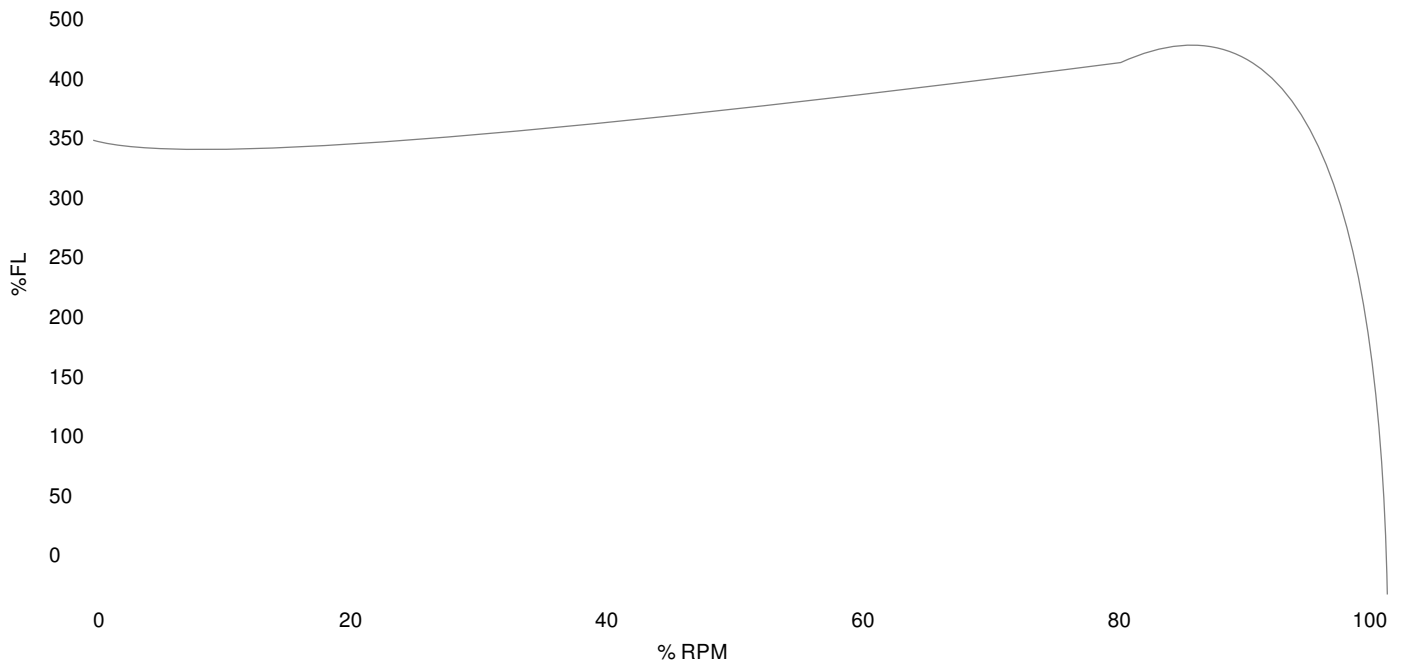
**NEMA**

|                      |                           |
|----------------------|---------------------------|
| <b>MOTOR MODEL:</b>  | GR3-CI-TF-145TC-4-B-D-1.5 |
| <b>FACTORY TYPE:</b> | TXC                       |

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 1.5HP, 1715 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 16.1544      | 351.0 | Start Configuration  |
| Pull-Up Torque      | 14.8197      | 322.0 | Starting Current (A) |
| Breakdown Torque    | 18.9158      | 411.0 | No-Load Current (A)  |
| Full Load           | 4.60239      | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 1.34          | -                      | -          | -          | -    |
| 25     | 0.375      | 1.4           | 368.98                 | 1787.5     | 76.22      | 0.33 |
| 50     | 0.75       | 1.57          | 665.18                 | 1775.8     | 84.56      | 0.53 |
| 75     | 1.125      | 1.83          | 972.14                 | 1763.0     | 86.79      | 0.67 |
| 100    | 1.5        | 2.16          | 1291.7                 | 1749.1     | 87.1       | 0.75 |
| 125    | 1.875      | 2.54          | 1625.7                 | 1734.1     | 86.5       | 0.8  |

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