





NEMA Premium

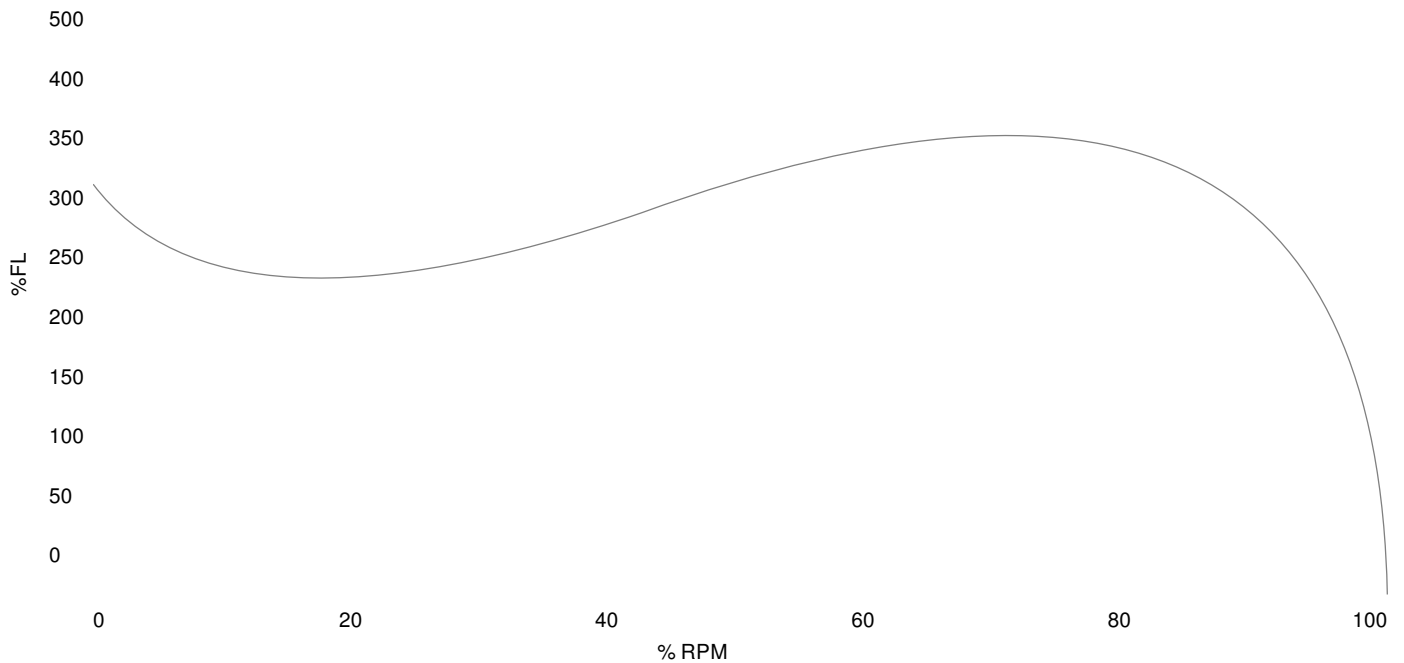
**NEMA**

|                      |                          |
|----------------------|--------------------------|
| <b>MOTOR MODEL:</b>  | BR3-CI-TF-324T-4-BR-E-40 |
| <b>FACTORY TYPE:</b> | TXC                      |

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 40.0HP, 1770 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 430.673      | 317.0 | Start Configuration  |
| Pull-Up Torque      | 249.98       | 184.0 | Starting Current (A) |
| Breakdown Torque    | 400.784      | 295.0 | No-Load Current (A)  |
| Full Load           | 135.859      | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 20.61         | -                      | -          | -          | -    |
| 25     | 10.0       | 23.81         | 9.61                   | 1795.1     | 89.75      | 0.51 |
| 50     | 20.0       | 31.86         | 18.5                   | 1790.4     | 93.22      | 0.73 |
| 75     | 30.0       | 42.04         | 27.59                  | 1785.3     | 93.77      | 0.82 |
| 100    | 40.0       | 53.83         | 36.91                  | 1779.7     | 93.48      | 0.86 |
| 125    | 50.0       | 66.72         | 46.47                  | 1773.8     | 92.81      | 0.87 |

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