





IE3

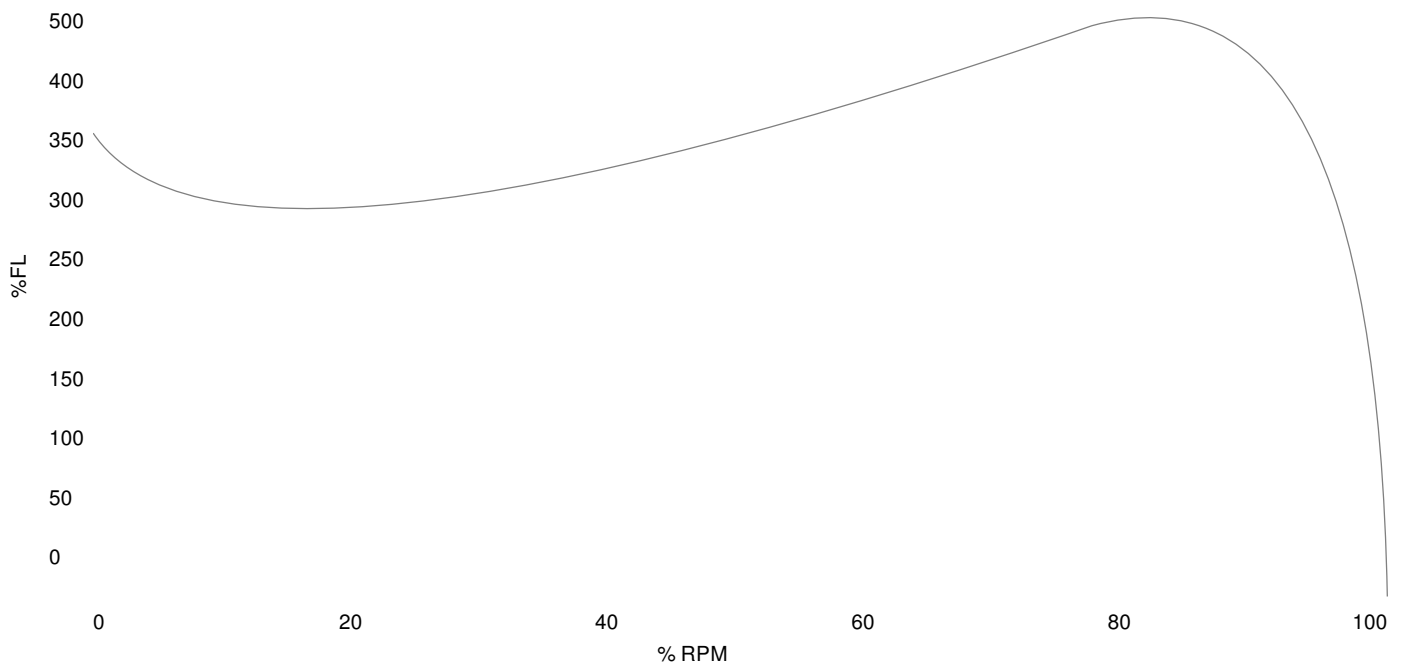
IEC

|                      |                             |
|----------------------|-----------------------------|
| <b>MOTOR MODEL:</b>  | GR3-CI-TF-160MB34-2-BR-D-20 |
| <b>FACTORY TYPE:</b> | TCX                         |

## IE3 IEC Cast Iron, TEFC

Non Sinusoidal (VFD) Output 20.0HP, 3530 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 105.645      | 358.0 | Start Configuration  |
| Pull-Up Torque      | 61.6756      | 209.0 | Starting Current (A) |
| Breakdown Torque    | 130.138      | 441.0 | No-Load Current (A)  |
| Full Load           | 29.5099      | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 10.57         | -                      | -          | -          | -    |
| 25     | 5.0        | 11.94         | 4.64                   | 3592.4     | 80.73      | 0.49 |
| 50     | 10.0       | 15.25         | 8.5                    | 3585.0     | 88.28      | 0.7  |
| 75     | 15.0       | 19.36         | 12.42                  | 3577.3     | 90.59      | 0.8  |
| 100    | 20.0       | 24.09         | 16.42                  | 3569.1     | 91.36      | 0.86 |
| 125    | 25.0       | 29.22         | 20.5                   | 3560.6     | 91.45      | 0.88 |

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