

AC induction motor performance data

Record #86086 - Typical performance - not guaranteed values

|           |           |
|-----------|-----------|
| Winding   | 06WGA0017 |
| Type      | 0640M     |
| Enclosure | TENV      |

Nameplate data

|                |      |              |  |          |
|----------------|------|--------------|--|----------|
| Rated Output   |      |              |  | 5        |
| Volts          |      |              |  | 230/460  |
| Full Load Amps |      |              |  | 13.8/6.9 |
| R.P.M.         |      |              |  | 1755     |
| Hz             | 60   | Phase        |  | 3        |
| KVA Code       |      |              |  | J        |
| S.F.           |      |              |  | 1.15     |
| NEMA Nom. Eff. | 89.5 | Power Factor |  | 76       |
| Duty           |      |              |  | 15 MIN   |
| S.F. Amps      |      |              |  |          |

460 V, 60 Hz:

High Voltage Connection

|                           |                |
|---------------------------|----------------|
| Full Load Torque          | 14.92 LB-FT    |
| Start Configuration       | direct on line |
| Breakdown Torque          | 53.26 LB-FT    |
| Pull-up Torque            | 26.84 LB-FT    |
| Locked-rotor Torque       | 31.7 LB-FT     |
| Starting Current          | 47.59 A        |
| No-load Current           | 3.62           |
| Line-line Res. @ 25°C     | 2.57 Ω         |
| Temp. Rise @ Rated Load   | 56°C           |
| Temp. Rise @ S.F. Load    | 69°C           |
| Locked-rotor Power Factor | 41.4           |
| Rotor inertia             | 0.372 lb-ft²   |

Load Characteristics 460 V, 60 Hz, 5 HP

|                 |      |      |      |      |      |      |       |      |
|-----------------|------|------|------|------|------|------|-------|------|
| % of Rated Load | NL   | 25   | 50   | 75   | 100  | 125  | 150   | SF   |
| Power Factor    | 5    | 36   | 57   | 68   | 76   | 80   | 82    | 78   |
| Efficiency      | 0    | 81   | 88.6 | 90.2 | 89.8 | 88.6 | 84.1  | 89.1 |
| Speed           | 1799 | 1790 | 1780 | 1770 | 1758 | 1745 | 1729  | 1750 |
| Line amperes    | 3.62 | 3.96 | 4.65 | 5.68 | 6.87 | 8.26 | 10.11 | 7.7  |

# SPEED TORQUE / SPEED CURRENT CURVES

**BALDOR • RELIANCE**

06WGA0017

5HP 460V 60HZ

