



AC Induction Motor Performance Data

Record # 36483

Typical performance - not guaranteed values

| | | |
|--------------------------|--------------------|------------------------|
| Winding: 06WGX181 | Type: 0632M | Enclosure: TEBC |
|--------------------------|--------------------|------------------------|

| Nameplate Data | | | | General Characteristics at 460 V, 60 Hz: High Volt Connection | |
|-------------------|--------------|----------|----|--|------------|
| Rated Output (HP) | 3 | | | Full Load Torque | 9.06 LB-FT |
| Volts | 230/460 | | | Start Configuration | DOL |
| Full Load Amps | 8.2/4.1 | | | Break Down Torque | 33.1 LB-FT |
| R.P.M. | 1755 | | | Pull-Up Torque | 18.2 LB-FT |
| Hz | 60 | Phase | 3 | Locked-rotor Torque | 20.4 LB-FT |
| NEMA Design Code | B | KVA Code | J | Starting Current | 29.8 Amps |
| Service Factor | 1 | | | No-load Current | 2.14 Amps |
| NEMA Nom. Eff. | 89.5 | P.F. | 77 | Line-line Res. @ 25°C. | 3.94 Ohms |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | 35°C |
| S.F. Amps | | | | Temp. Rise @ S.F. Load | |

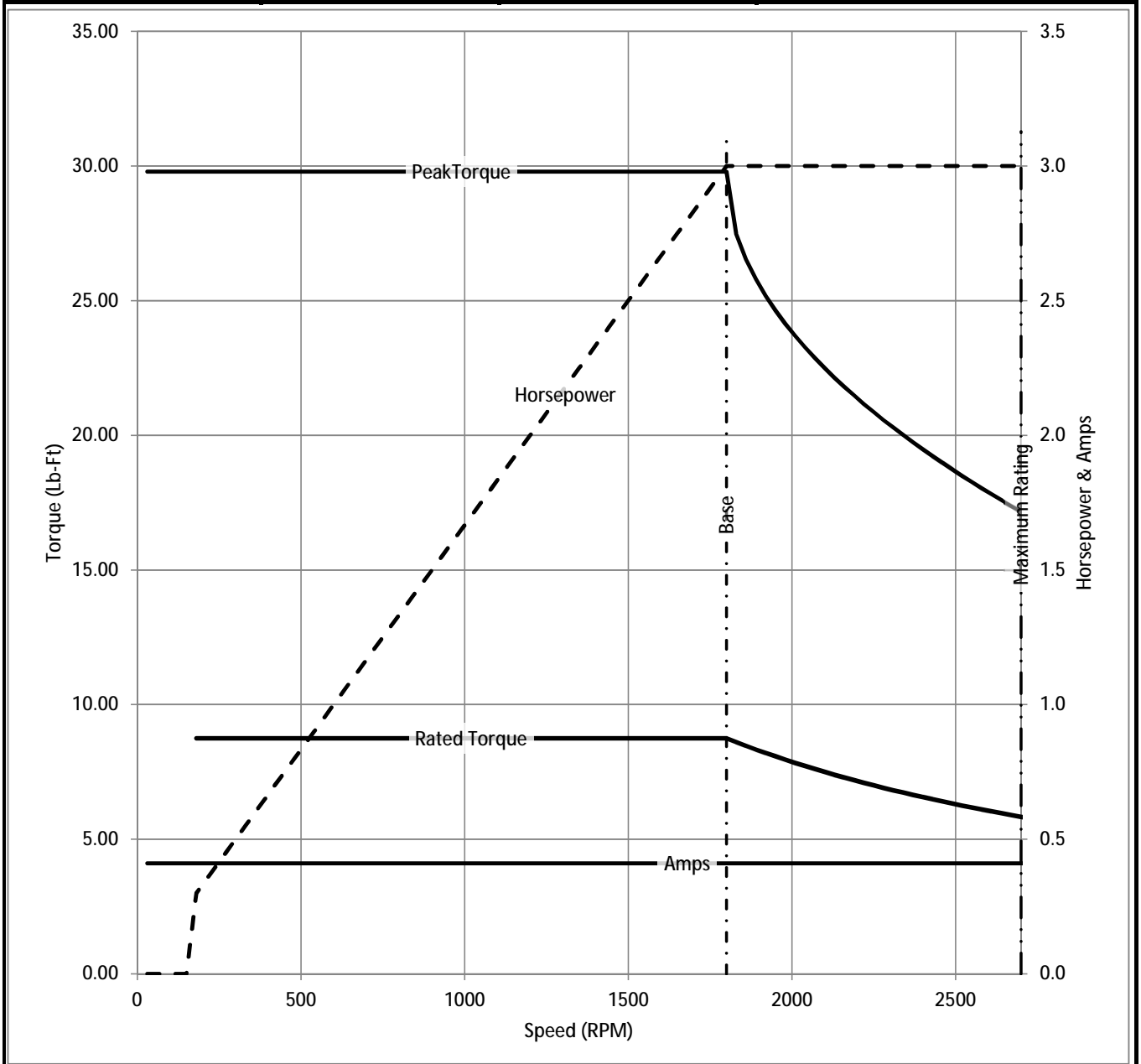
Load Characteristics at 460 Volts, 60 Hz, 3 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor | 38 | 58 | 70 | 77 | 81 | 83 | |
| Efficiency | 83.2 | 88.3 | 89.8 | 89.7 | 89.1 | 87.7 | |
| Speed | 1790 | 1779 | 1769 | 1757 | 1744 | 1730 | |
| Line Amperes | 2.34 | 2.79 | 3.39 | 4.1 | 4.91 | 5.86 | |

Baldor Electric Company Fort Smith, Arkansas

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|------------|-----------|--------------------------|---------|---------------------------------------|-------|---|-------|----|---------|
| Catalog | IDXM7542T | NP VOLTS | 230/460 | ENCLOSURE | XPFC | WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C) | | | |
| FRAME | 182TC | NP AMPS | 8.2/4.1 | Base Volts | 460 | R1 | 1.930 | X1 | 5.490 |
| HP | 3 HP | DUTY | Cont | Base AMPS | 4.1 | R2 | 1.370 | X2 | 4.581 |
| BASE SPEED | 1800 | MAX SAFE RPM | 2700 | Slip Hz | 1.43 | | | XM | 119.333 |
| PHASE/HZ | 3/60 | AMB ⁰ C/INSUL | 40/F | WK ² (lb-ft ²) | 0.298 | | | | |



Remarks: Calculated Data

