

**AC Induction Motor Performance Data**

Record # 40469

Typical performance - not guaranteed values

|                          |                    |                        |
|--------------------------|--------------------|------------------------|
| <b>Winding:</b> 07WGY967 | <b>Type:</b> 0728M | <b>Enclosure:</b> XPFC |
|--------------------------|--------------------|------------------------|

| Nameplate Data    |              |          |    | General Characteristics at 460 V, 60 Hz:<br>High Volt Connection |             |
|-------------------|--------------|----------|----|------------------------------------------------------------------|-------------|
| Rated Output (HP) | 5            |          |    | Full Load Torque                                                 | 14.9 LB-FT  |
| Volts             | 230/460      |          |    | Start Configuration                                              | DOL         |
| Full Load Amps    | 13.4/6.7     |          |    | Break Down Torque                                                | 48.7 LB-FT  |
| R.P.M.            | 1760         |          |    | Pull-Up Torque                                                   | 26.6 LB-FT  |
| Hz                | 60           | Phase    | 3  | Locked-rotor Torque                                              | 31.1 LB-FT  |
| NEMA Design Code  | B            | KVA Code | J  | Starting Current                                                 | 46.2 Amps   |
| Service Factor    | 1            |          |    | No-load Current                                                  | 3.37 Amps   |
| NEMA Nom. Eff.    | 90.2         | P.F.     | 77 | Line-line Res. @ 25°C.                                           | 2.1704 Ohms |
| Rating - Duty     | 40C AMB-CONT |          |    | Temp. Rise @ Rated Load                                          | 38°C        |
| S.F. Amps         |              |          |    | Temp. Rise @ S.F. Load                                           |             |

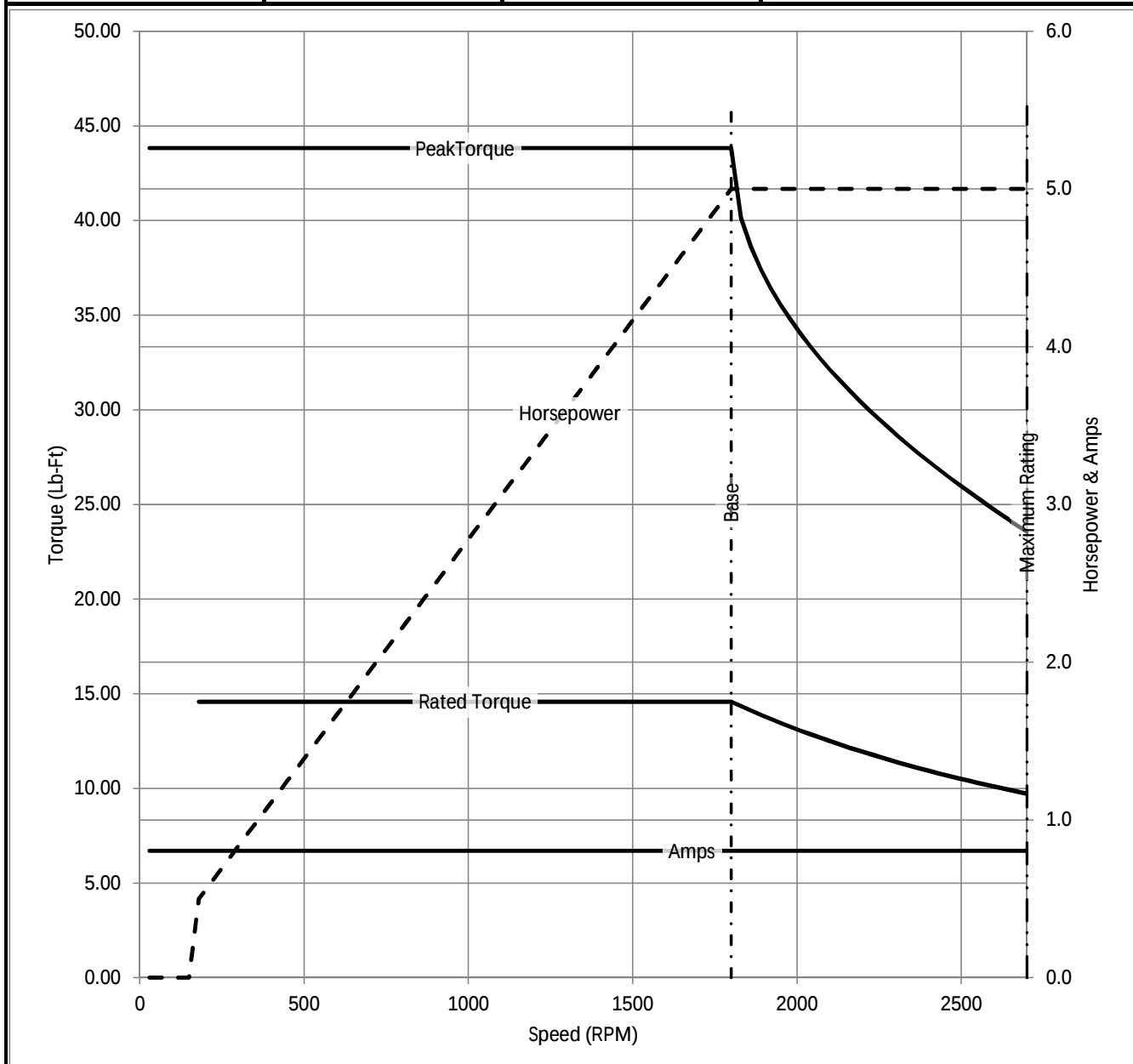
## Load Characteristics at 460 Volts, 60 Hz, 5 HP

| % of Rated Load | 25     | 50     | 75     | 100    | 125    | 150    | S.F. |
|-----------------|--------|--------|--------|--------|--------|--------|------|
| Power Factor    | 38     | 60     | 71     | 78     | 80     | 82     |      |
| Efficiency      | 83.8   | 89.4   | 90.6   | 90.4   | 89.7   | 88.7   |      |
| Speed           | 1791.7 | 1782.7 | 1773.6 | 1763.3 | 1753.2 | 1741.8 |      |
| Line Amperes    | 3.69   | 4.42   | 5.45   | 6.7    | 8.08   | 9.62   |      |

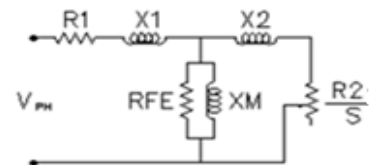
Baldor Electric Company Fort Smith, Arkansas

**BALDOR • RELIANCE**

|            |           |                          |          |                                       |       |                                                   |       |    |        |
|------------|-----------|--------------------------|----------|---------------------------------------|-------|---------------------------------------------------|-------|----|--------|
| Catalog    | IDXM7544T | NP VOLTS                 | 230/460  | ENCLOSURE                             | XPFC  | WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C) |       |    |        |
| FRAME      | 213TC     | NP AMPS                  | 13.4/6.7 | Base Volts                            | 460   | R1                                                | 1.050 | X1 | 3.451  |
| HP         | 5 HP      | DUTY                     | Cont     | Base AMPS                             | 6.7   | R2                                                | 0.740 | X2 | 2.433  |
| BASE SPEED | 1800      | MAX SAFE RPM             | 2700     | Slip Hz                               | 1.23  |                                                   |       | XM | 71.506 |
| PHASE/HZ   | 3/60      | AMB <sup>0</sup> C/INSUL | 40/F     | WK <sup>2</sup> (lb-ft <sup>2</sup> ) | 0.689 |                                                   |       |    |        |



Remarks: Calculated Data



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DATE 2/28/2013

A-C MOTOR  
PERFORMANCE CURVES

07H867Y967G1

ISSUE DATE 2/28/2013