

BALDOR® • *RELIANCE*

Product Information Packet

FDL3612TM

5HP, 1725RPM, 1PH, 60HZ, 184T, 3646LC, TEFC, F1

| Part Detail | | | | | | | |
|-------------|--------------------|----------------|--------|-------------|----------|---------------|------------|
| Revision: | E | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 3646LC | Elec. Spec: | 36WGW279 | CD Diagram: | CD0152 |
| Enclosure: | TEFC | Mfg Plant: | | Mech. Spec: | 36Q167 | Layout: | 36LYQ167 |
| Frame: | 184T | Mounting: | F1 | Poles: | 04 | Created Date: | 12-12-2013 |
| Base: | RG | Rotation: | R | Insulation: | F | Eff. Date: | 09-10-2015 |
| Leads: | 2#10 A PH,3#16 B&J | | | | | Replaced By: | |
| Literature: | | Elec. Diagram: | | | | | |

| | | | | | | | |
|--------------------------|----------------|------|------|-----|---|----|---|
| Nameplate NP1280L | | | | | | | |
| CAT.NO. | FDL3612TM | | | | | | |
| SPEC. | 36Q167W279G1 | | | | | | |
| HP | 5 | | | | | | |
| VOLTS | 230 | | | | | | |
| AMP | 23 | | | | | | |
| RPM | 1725 | | | | | | |
| FRAME | 184T | HZ | 60 | PH | 1 | | |
| SER.F. | 1.00 | CODE | J | DES | L | CL | F |
| NEMA-NOM-EFF | 80 | PF | 88 | | | | |
| RATING | 40C AMB-CONT | | | | | | |
| CC | USABLE AT 208V | | | | | | |
| DE | 6206 | ODE | 6205 | | | | |
| ENCL | TEFC | SN | | | | | |
| | | | | | | | |

AC Induction Motor Performance Data

Record # 10712 - Typical performance - not guaranteed values

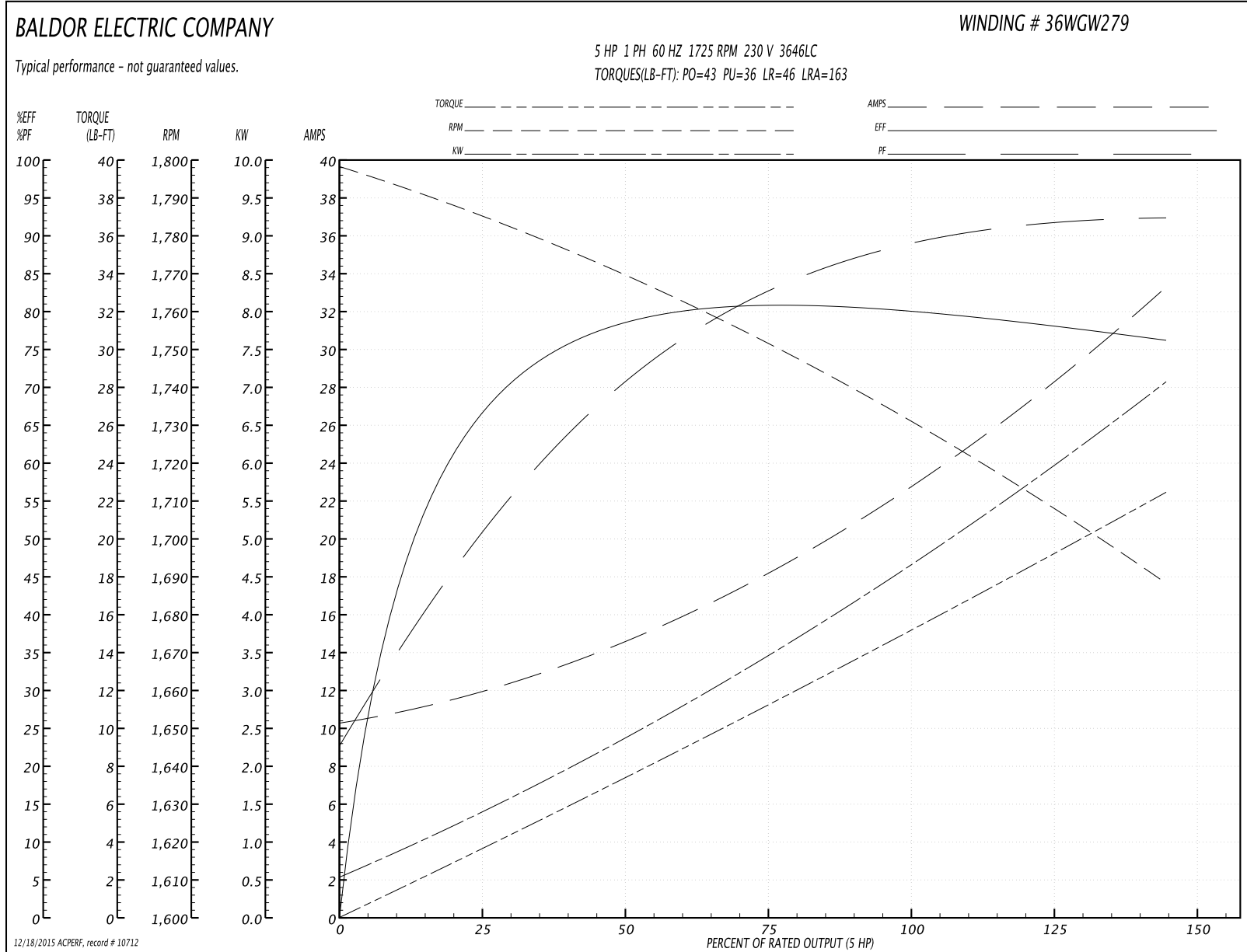
| | | |
|-------------------------------|---------------------|------------------------|
| Winding: 36WGW279-R001 | Type: 3646LC | Enclosure: TEFC |
|-------------------------------|---------------------|------------------------|

| Nameplate Data | | | | 230 V, 60 Hz: Single Voltage Motor | |
|-----------------------|--------------|--------------|----|---------------------------------------|-----------------------------|
| Rated Output (HP) | 5 | | | Full Load Torque | 15 LB-FT |
| Volts | 230 | | | Start Configuration | direct on line |
| Full Load Amps | 23 | | | Breakdown Torque | 43 LB-FT |
| R.P.M. | 1725 | | | Pull-up Torque | 36 LB-FT |
| Hz | 60 | Phase | 1 | Locked-rotor Torque | 46 LB-FT |
| NEMA Design Code | L | KVA Code | J | Starting Current | 163 A |
| Service Factor (S.F.) | 1 | | | No-load Current | 10 A |
| NEMA Nom. Eff. | 80 | Power Factor | 88 | Line-line Res. @ 25°C | 0.353 Ω A Ph 2.23 Ω B Ph |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | 97°C |

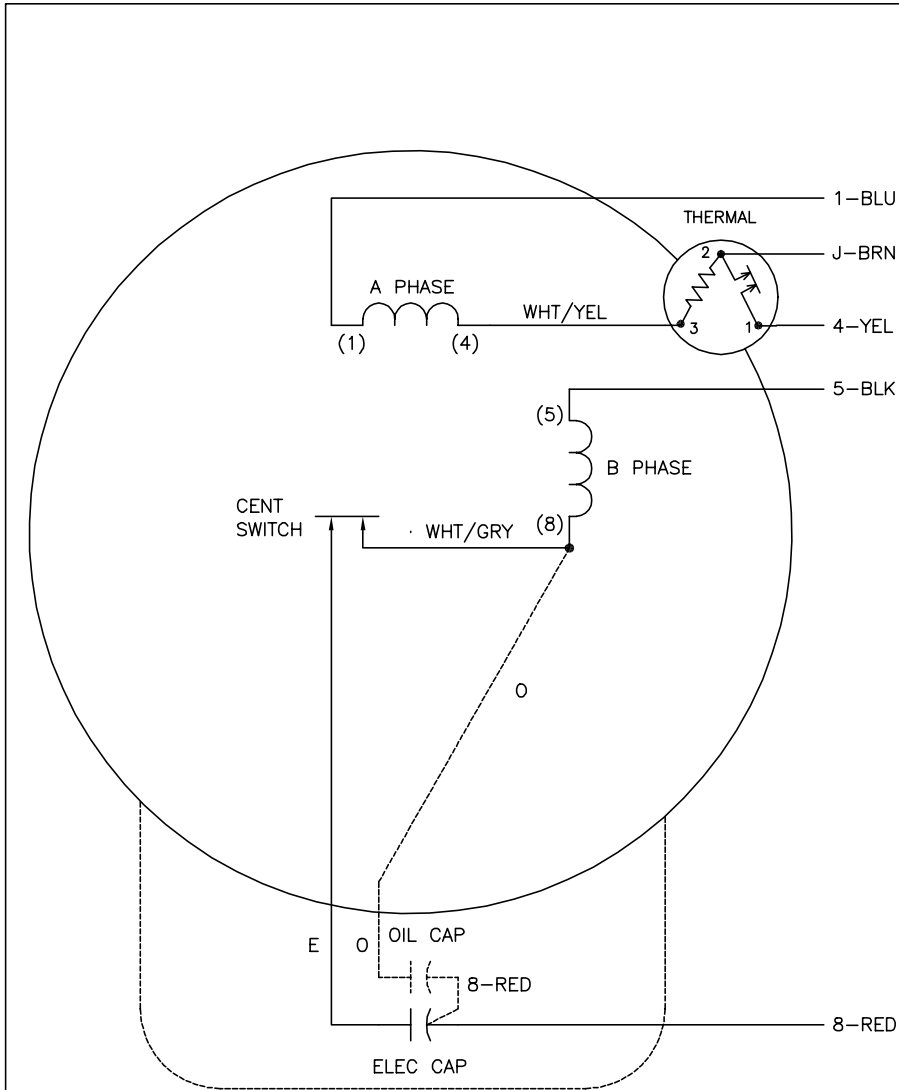
Load Characteristics 230 V, 60 Hz, 5 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 |
|-----------------|------|------|------|------|------|------|
| Power Factor | 54 | 71 | 85 | 89 | 89 | 91 |
| Efficiency | 65 | 76.1 | 81.5 | 80.8 | 79.3 | 75.5 |
| Speed | 1786 | 1769 | 1750 | 1732 | 1713 | 1687 |
| Line amperes | 12.7 | 14 | 18.5 | 22.6 | 27.3 | 33.5 |

Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values



CD0152



| | LINE A | LINE B | JOIN |
|-----|--------|--------|------|
| STD | 1,8 | 4 | J,5 |
| OPP | 1,5 | 4 | J,8 |

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
4. CAPACITORS MAY BE SEPERATELY MOUNTED.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

| | | |
|---|----------------------|------------------------------|
| REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION | | |
| REV. LTR: D | VERSION: 01 | TDR: 000000373039 |
| ZS1000 | FILE: \AAA\00026\903 | REVISED: 11:23:45 08/11/2005 |
| | MTL: - | BY: ENJOEPO |

BALDOR ELECTRIC Co.

TYPE L OR LC, SV, REV, 5 LDS, THERM, CAPS MAY BE SEP MTD

CD0152