

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **CSWDM3542**

**.75HP,1750RPM,3PH,60HZ,56C,3514M,TENV,F1**

| Part Detail |      |                |       |             |          |               |            |
|-------------|------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | P    | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC   | Prod. Type:    | 3514M | Elec. Spec: | 35WGP672 | CD Diagram:   | CD0005     |
| Enclosure:  | TENV | Mfg Plant:     |       | Mech. Spec: | 35S630   | Layout:       | 35LYS630   |
| Frame:      | 56C  | Mounting:      | F1    | Poles:      | 04       | Created Date: | 02-20-2008 |
| Base:       | RG   | Rotation:      | R     | Insulation: | F        | Eff. Date:    | 01-12-2017 |
| Leads:      | 9#18 |                |       |             |          | Replaced By:  |            |
| Literature: |      | Elec. Diagram: |       |             |          |               |            |

## Nameplate NP1496L

|              |              |  |  |                |      |    |      |  |   |       |   |   |
|--------------|--------------|--|--|----------------|------|----|------|--|---|-------|---|---|
| CAT.NO.      | CSWDM3542    |  |  |                |      |    |      |  |   |       |   |   |
| SPEC.        | 35S630P672G1 |  |  |                |      |    |      |  |   |       |   |   |
| HP           | .75          |  |  |                |      |    |      |  |   |       |   |   |
| VOLTS        | 230/460      |  |  |                |      |    |      |  |   |       |   |   |
| AMP          | 2.8/1.4      |  |  |                |      |    |      |  |   |       |   |   |
| RPM          | 1750         |  |  |                |      |    |      |  |   |       |   |   |
| FRAME        | 56C          |  |  |                | HZ   |    | 60   |  |   | PH    | 3 |   |
| SER.F.       | 1.25         |  |  |                | CODE | M  | DES  |  | B | CLASS | F |   |
| NEMA-NOM-EFF | 78.5         |  |  |                |      | PF | 66   |  |   |       |   |   |
| RATING       | 40C AMB-CONT |  |  |                |      |    |      |  |   |       |   |   |
| CC           |              |  |  | USABLE AT 208V |      |    |      |  |   |       |   | 3 |
| DE           | 6205         |  |  |                | ODE  |    | 6203 |  |   |       |   |   |
| ENCL         | TENV         |  |  |                | SN   |    |      |  |   |       |   |   |
|              | SFA 3/1.5    |  |  |                |      |    |      |  |   |       |   |   |

| Parts List    |                                          |          |
|---------------|------------------------------------------|----------|
| Part Number   | Description                              | Quantity |
| SA168977      | SA 35S630P672G1                          | 1.000 EA |
| RA157266      | RA 35S630P672G1                          | 1.000 EA |
| NS2512A01     | INSULATOR, CONDUIT BOX X                 | 1.000 EA |
| 35CB5001A03   | CONDUIT BOX KIT, FOR SUPER II WASHDOWN   | 1.000 EA |
| 11XW1032G06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| 35EP3100M72MU | SPL FR EP-ENCL-203 BRG-DIE CAST ALUM(BAL | 1.000 EA |
| HW4500A33     | 1/8 NPT STAINLESS,HOLO-KROME #13002,PRES | 3.000 EA |
| HW5100A03     | WAVY WASHER (W1543-017)                  | 1.000 EA |
| 35PE3300A75MU | PU E.P., CAST-FACE MTD-56C-205 BRG(BALL  | 1.000 EA |
| HW4500A33     | 1/8 NPT STAINLESS,HOLO-KROME #13002,PRES | 3.000 EA |
| HW4606A02     | JM CLIPPER/SEAL (LWE-0938-1624-AL23)     | 1.000 EA |
| 12XN1032S20   | 10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL | 2.000 EA |
| HA1049A01     | DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL | 2.000 EA |
| HA1049A01     | DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL | 4.000 EA |
| HW2502D13     | SS KEY, 3/16 SQ X 1.375                  | 1.000 EA |
| HA7000A04     | KEY RETAINER 0.625 DIA SHAFTS            | 1.000 EA |
| MJ5001A02     | 732 CL SEALANT 3 OZ DIXIE BEARING 289100 | 0.001 EA |
| 85XU0407S04   | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 EA |
| LB1164        | LABEL,WARNING AND DRAIN                  | 1.000 EA |
| HA5027A04     | HA4054 T-DRAIN X2 BAGGED                 | 1.000 EA |
| MJ1000A02     | GREASE, POLYREX EM EXXON (USe 4824-15A)  | 0.050 LB |
| HA3100S12     | THRUBOLT 7.625 LENGTH 1.250 TH LENGTH SS | 4.000 EA |
| LC0005        | CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING  | 1.000 EA |
| NP1496L       | SS WD UL CSA CC                          | 1.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| 35PA1066               | PKG GRP, PRINT    PK1008A06              | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1000/bx) 11/14 | 1.000 EA |

**AC Induction Motor Performance Data**

Record # 31358 - Typical performance - not guaranteed values

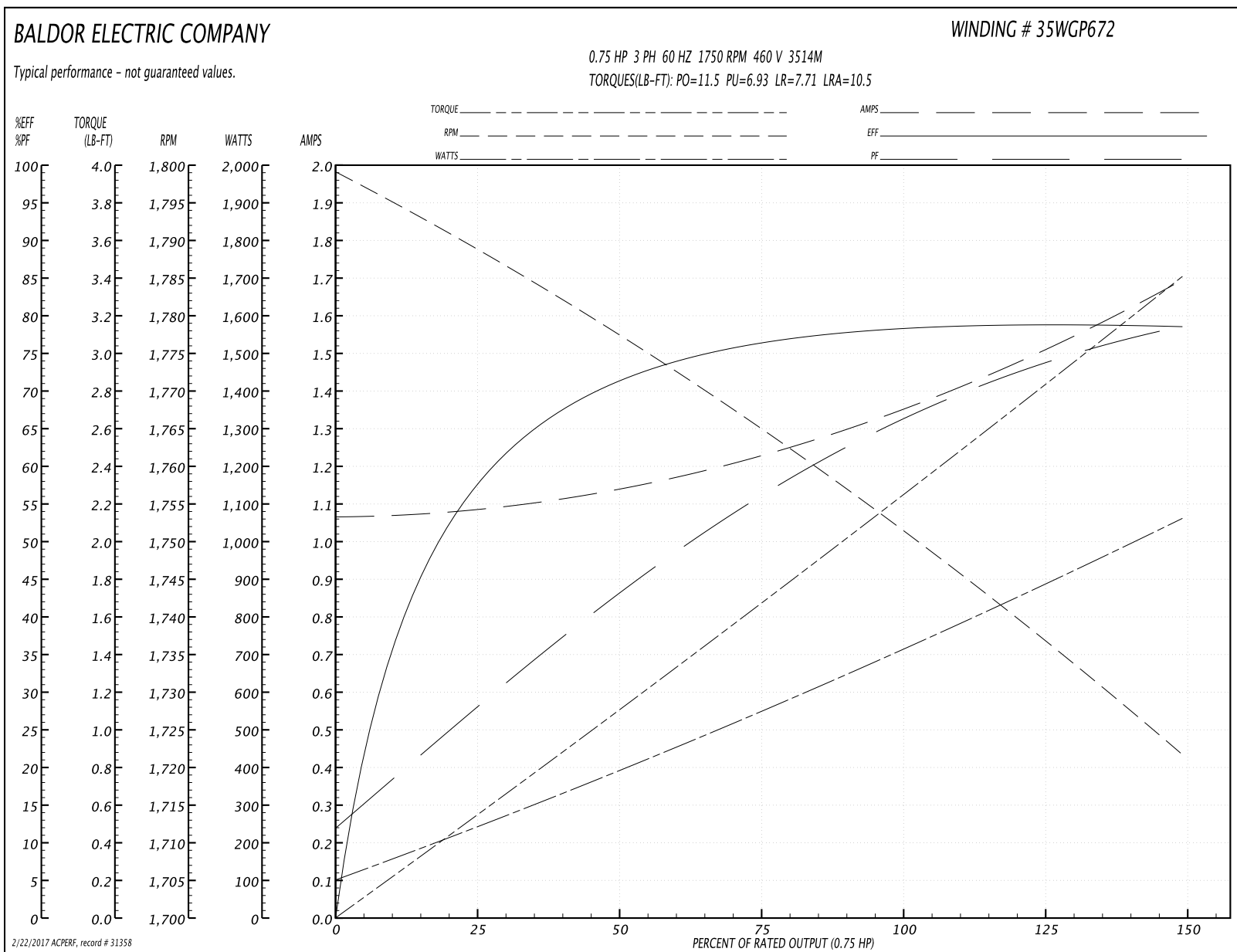
|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 35WGP672-R002 | <b>Type:</b> 3514M | <b>Enclosure:</b> TENV |
|-------------------------------|--------------------|------------------------|

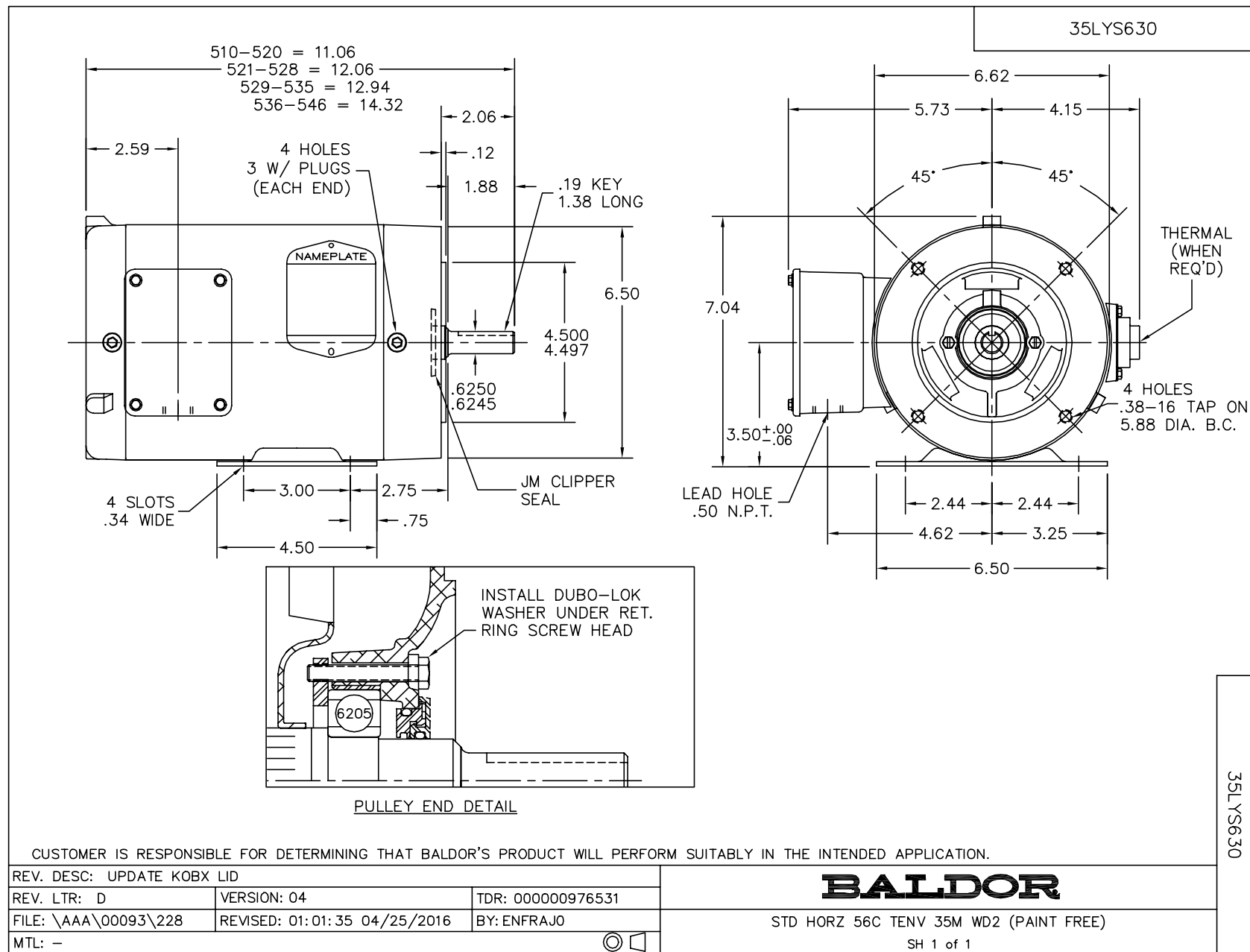
| Nameplate Data        |              |              |    | 460 V, 60 Hz:<br>High Voltage Connection |                |
|-----------------------|--------------|--------------|----|------------------------------------------|----------------|
| Rated Output (HP)     | .75          |              |    | Full Load Torque                         | 2.26 LB-FT     |
| Volts                 | 230/460      |              |    | Start Configuration                      | direct on line |
| Full Load Amps        | 2.8/1.4      |              |    | Breakdown Torque                         | 11.5 LB-FT     |
| R.P.M.                | 1750         |              |    | Pull-up Torque                           | 6.93 LB-FT     |
| Hz                    | 60           | Phase        | 3  | Locked-rotor Torque                      | 7.71 LB-FT     |
| NEMA Design Code      | B            | KVA Code     | M  | Starting Current                         | 10.5 A         |
| Service Factor (S.F.) | 1.25         |              |    | No-load Current                          | 1.07 A         |
| NEMA Nom. Eff.        | 78.5         | Power Factor | 66 | Line-line Res. @ 25°C                    | 21.9 Ω         |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load                  |                |
| S.F. Amps             | 3/1.5        |              |    | Temp. Rise @ S.F. Load                   |                |

**Load Characteristics 460 V, 60 Hz, 0.75 HP**

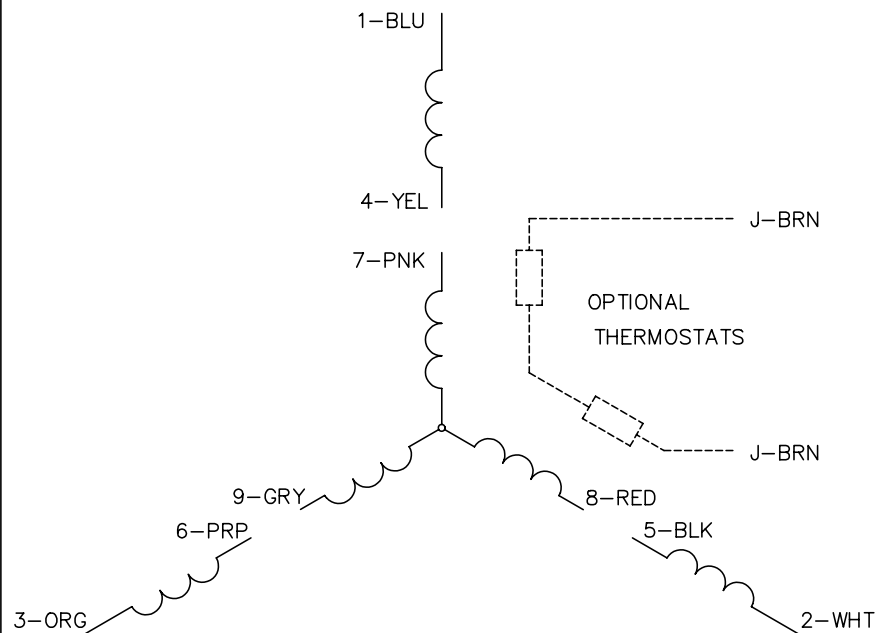
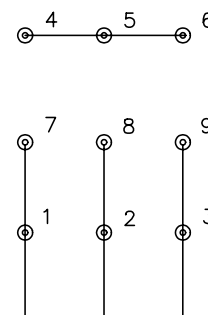
|                 |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
| Power Factor    | 28   | 44   | 56   | 66   | 74   | 79   | 74   |
| Efficiency      | 57.7 | 71.7 | 76.6 | 78.6 | 79   | 78.6 | 79   |
| Speed           | 1789 | 1777 | 1766 | 1751 | 1736 | 1722 | 1736 |
| Line amperes    | 1.08 | 1.14 | 1.22 | 1.36 | 1.52 | 1.69 | 1.52 |

## Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values

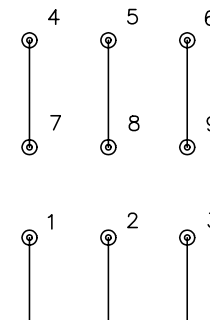




CD0005

LOW VOLTAGE  
(2Y)

LINE

HIGH VOLTAGE  
(1Y)

LINE

## NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005