



BALDOR® • RELIANCE

Product Information Packet

P56H1555

.33HP,3500RPM,3PH,60HZ,56C,3513M,TENV,F1

| Part Detail | | | | | | | |
|-------------|------|----------------|-------|-------------|----------|---------------|------------|
| Revision: | H | Status: | PRD/A | Change #: | | Proprietary: | Yes |
| Type: | AC | Prod. Type: | 3513M | Elec. Spec: | 35WGT750 | CD Diagram: | CD0005 |
| Enclosure: | TENV | Mfg Plant: | | Mech. Spec: | 35W632 | Layout: | 35LYW632 |
| Frame: | 56C | Mounting: | F1 | Poles: | 02 | Created Date: | 07-09-2007 |
| Base: | RG | Rotation: | R | Insulation: | F | Eff. Date: | 03-17-2016 |
| Leads: | 9#18 | | | | | Replaced By: | |
| Literature: | | Elec. Diagram: | | | | | |

Dealers Industrial Equipment -- Visit <https://DealersElectric.com> or call (908) 688-1966 for all of your electric motor & VFD needs!

| Nameplate NP1256L | | | | | | | | | | |
|-------------------|---------------|--|--|------|-----|------|---|--|----------------|---|
| CAT.NO. | P56H1555 | | | | | | | | | |
| SPEC. | 35W632T750G1 | | | | | | | | | |
| HP | .33 | | | | | | | | | |
| VOLTS | 208-230/460 | | | | | | | | | |
| AMP | 1.2-1/.5 | | | | | | | | | |
| RPM | 3500 | | | | | | | | | |
| FRAME | 56C | | | | HZ | 60 | | | PH | 3 |
| SER.F. | 1.00 | | | CODE | M | DES | B | | CLASS | F |
| NEMA-NOM-EFF | 78.5 | | | PF | 80 | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | | |
| CC | | | | | | | | | USABLE AT 208V | |
| DE | 6205 | | | | ODE | 6203 | | | | |
| ENCL | TENV | | | SN | | | | | | |
| | 10:1 CT OR VT | | | | | | | | | |

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| Nameplate NP1256L | | | | | | | | | | |
|-------------------|---------------|--|------|----|-----|------|--|-------|----------------|---|
| CAT.NO. | P56H1555 | | | | | | | | | |
| SPEC. | 35W632T750G1 | | | | | | | | | |
| HP | .25 | | | | | | | | | |
| VOLTS | 190/380 | | | | | | | | | |
| AMP | 1/5 | | | | | | | | | |
| RPM | 2900 | | | | | | | | | |
| FRAME | 56C | | | | HZ | 50 | | | PH | 3 |
| SER.F. | 1.00 | | CODE | M | DES | B | | CLASS | F | |
| NEMA-NOM-EFF | 63 | | PF | 89 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | | |
| CC | | | | | | | | | USABLE AT 208V | |
| DE | 6205 | | | | ODE | 6203 | | | | |
| ENCL | TENV | | SN | | | | | | | |
| | 10:1 CT OR VT | | | | | | | | | |

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| Parts List | | |
|----------------|--|----------|
| Part Number | Description | Quantity |
| SA160397 | SA 35W632T750G1 | 1.000 EA |
| RA148989 | RA 35W632T750G1 | 1.000 EA |
| S/P111-000-002 | CORONA TEST, SUPER E MOTORS - FT. SMITH | 1.000 EA |
| SP1003A01 | TERM. BOARD, MODE 35 SW X H-23655 | 1.000 EA |
| 11XT0832G06 | 8-32 X 3/8 TY 23 TAPPING | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 3.000 EA |
| 35EP3102A01SP | FR ENDPLATE, MACH | 1.000 EA |
| HW5100A03 | WAVY WASHER (W1543-017) | 1.000 EA |
| 35EP3300A33 | SPL FACE MTD EP -ENCL-205 BRG | 1.000 EA |
| 51XN1032A20 | 10-32 X 1 1/4 HX WS SL SR | 2.000 EA |
| 35CB4500SP | TERMINAL BOX LID STAMPED | 1.000 EA |
| 35GS1002 | GASKET,1/16 THICK LEXIDE | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 EA |
| HW2501D13 | KEY, 3/16 SQ X 1.375 | 1.000 EA |
| HA7000A04 | KEY RETAINER 0.625 DIA SHAFTS | 1.000 EA |
| 10XF0440S02 | 04-40 X 1/8 TYPE F HEX HD STAINLESS STIC | 2.000 EA |
| MJ1000A02 | GREASE, POLYREX EM EXXON (USe 4824-15A) | 0.050 LB |
| MG1000N49 | MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G, | 0.017 GA |
| HA3100A12 | THRUBOLT 10-32 X 7.375 | 4.000 EA |
| LC0005E01 | CONN.DIA./WARNING LABEL (LC0005/LB1119N) | 1.000 EA |
| NP1256L | ALUM UL CSA CC | 1.000 EA |
| NP1256L | ALUM UL CSA CC | 1.000 EA |
| 35PA1066 | PKG GRP, PRINT PK1008A06 | 1.000 EA |
| PK3082 | STYROFOAM CRADLE | 1.000 EA |

AC Induction Motor Performance Data

Record # 50698 - Typical performance - not guaranteed values

| | | |
|-------------------------------|--------------------|------------------------|
| Winding: 35WGT750-R006 | Type: 3513M | Enclosure: TENV |
|-------------------------------|--------------------|------------------------|

| Nameplate Data | | | | 460 V, 60 Hz: High Voltage Connection | |
|-----------------------|--------------|--------------|----|--|--------------------------|
| Rated Output (HP) | .33 | | | Full Load Torque | 0.5 LB-FT |
| Volts | 208-230/460 | | | Start Configuration | direct on line |
| Full Load Amps | 1.2-1/5 | | | Breakdown Torque | 2.3 LB-FT |
| R.P.M. | 3500 | | | Pull-up Torque | 1.8 LB-FT |
| Hz | 60 | Phase | 3 | Locked-rotor Torque | 1.5 LB-FT |
| NEMA Design Code | B | KVA Code | M | Starting Current | 4.2 A |
| Service Factor (S.F.) | 1 | | | No-load Current | 0.3 A |
| NEMA Nom. Eff. | 78.5 | Power Factor | 80 | Line-line Res. @ 25°C | 47.9 Ω |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | 73°C |
| | | | | Rotor inertia | 0.036 LB-FT ² |

Load Characteristics 460 V, 60 Hz, 0.33 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 |
|-----------------|------|------|------|------|------|------|
| Power Factor | 47 | 71 | 70 | 74 | 87 | 88 |
| Efficiency | 49.8 | 56.7 | 73.6 | 78.5 | 71 | 72.7 |
| Speed | 3561 | 3542 | 3523 | 3502 | 3480 | 3457 |
| Line amperes | 0.34 | 0.39 | 0.46 | 0.54 | 0.63 | 0.72 |

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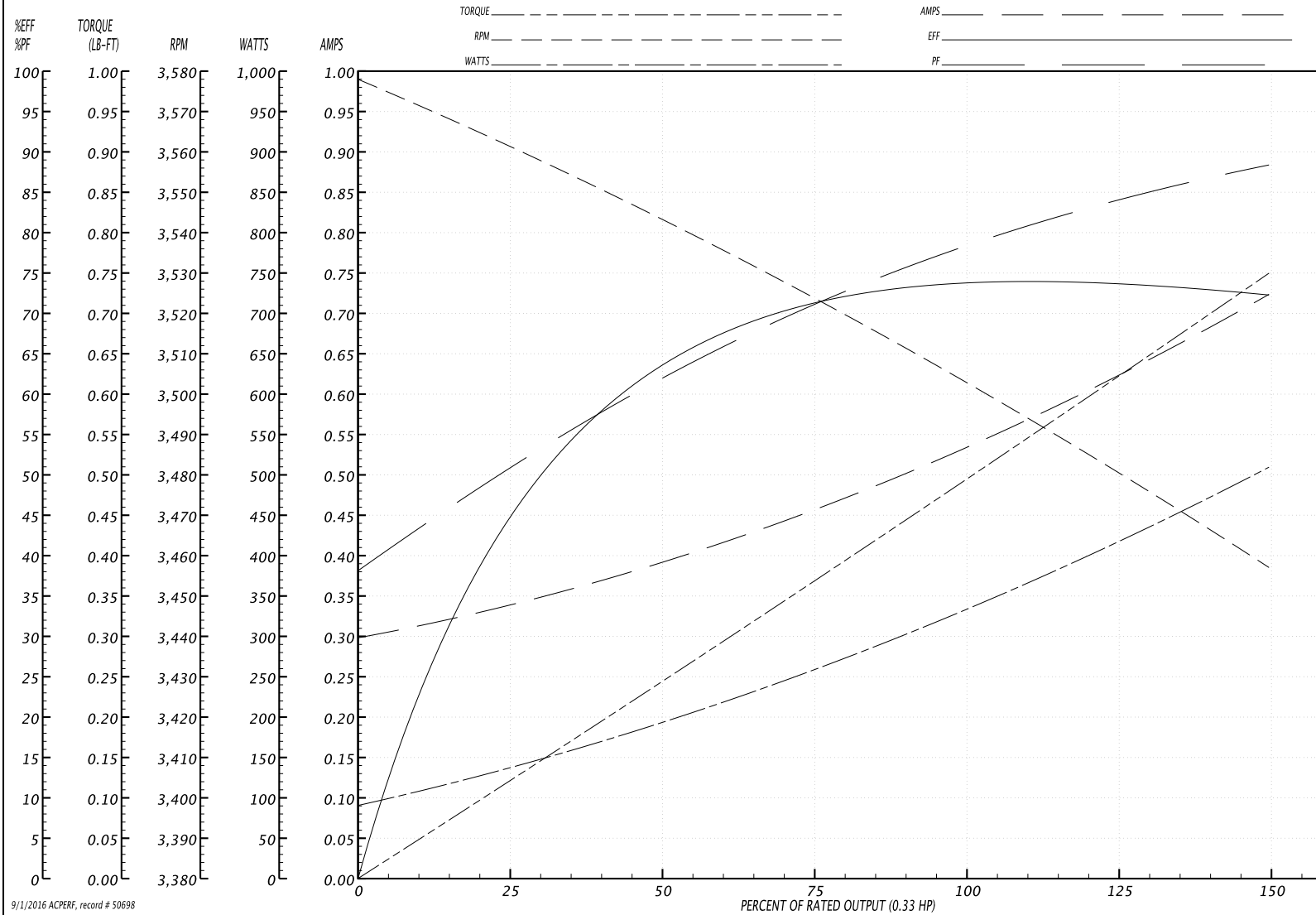
Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values

BALDOR ELECTRIC COMPANY

WINDING # 35WGT750

Typical performance - not guaranteed values.

0.33 HP 3 PH 60 HZ 3500 RPM 460 V 3513M
 TORQUES(LB-FT): PO=2.3 PU=1.8 LR=1.5 LRA=4.2



9/1/2016 ACPERF, record # 50698

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