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# Product Information Packet

# KENM3454

## .25HP,1750RPM,3PH,60HZ,56C,3513M,TENV,F1

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| Part Detail | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Revision:** | J | **Status:** | PRD/A | **Change #:** | | **Proprietary:** | No |
| **Type:** | AC | **Prod. Type:** | 3512M | **Elec. Spec:** | 35WGN564 | **CD Diagram:** | CD0005 |
| **Enclosure:** | TENV | **Mfg Plant:** | | **Mech. Spec:** | 35E010 | **Layout:** | 35LYE010 |
| **Frame:** | 56C | **Mounting:** | F1 | **Poles:** | 04 | **Created Date:** | 08-22-2012 |
| **Base:** | N | **Rotation:** | R | **Insulation:** | F | **Eff. Date:** | 10-27-2016 |
| **Leads:** | 9#18 | | | | | **Replaced By:** | |
| **Literature:** | | **Elec. Diagram:** | | | | | |



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## Nameplate NP2116L

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CAT.NO.** | KENM3454 | | | | | | |
| **SPEC.** | 35E010N564G1 | | | | | | |
| **HP** | .25 | | | | | | |
| **VOLTS** | 230/460 | | | | | | |
| **AMP** | .8/.4 | | | | | | |
| **RPM** | 1750 | | | | | | |
| **FRAME** | 56C | **HZ** | 60 | **PH** | 3 | | |
| **SER.F.** | 1.15 | **CODE** | M | **DES** | B | **CL** | F |
| **NEMA-NOM-EFF** | 80 | **PF** | 70 | | | | |
| **RATING** | 40C AMB-CONT | | | | | | |
| **CC** | | | | **USABLE AT 208V** | .8 | | |
| **DE** | 6205 | **ODE** | 6203 | | | | |
| **ENCL** | TENV | **SN** | | | | | |
| | | | | | | | |



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**AC Induction Motor Performance Data**

Record # 39806 - Typical performance - not guaranteed values

| **Winding:** 35WGN564-R001 | **Type:** 3512M | **Enclosure:** TENV |
|---|---|---|

| Nameplate Data | | | | 460 V, 60 Hz: High Voltage Connection | |
|---|---|---|---|---|---|
| Rated Output (HP) | .25 | | | Full Load Torque | 0.758 LB-FT |
| Volts | 230/460 | | | Start Configuration | direct on line |
| Full Load Amps | .8/.4 | | | Breakdown Torque | 3.81 LB-FT |
| R.P.M. | 1750 | | | Pull-up Torque | 1.71 LB-FT |
| Hz | 60 | Phase | 3 | Locked-rotor Torque | 2.46 LB-FT |
| NEMA Design Code | B | KVA Code | M | Starting Current | 3.27 A |
| Service Factor (S.F.) | 1.15 | | | No-load Current | 0.301 A |
| NEMA Nom. Eff. | 80 | Power Factor | 70 | Line-line Res. @ 25ºC | 71.8 Ω |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | 30°C |
| S.F. Amps | | | | Temp. Rise @ S.F. Load | 34°C |
| | | | | Locked-rotor Power Factor | 70.9 |
| | | | | Rotor inertia | 0.0709 LB-FT2 |

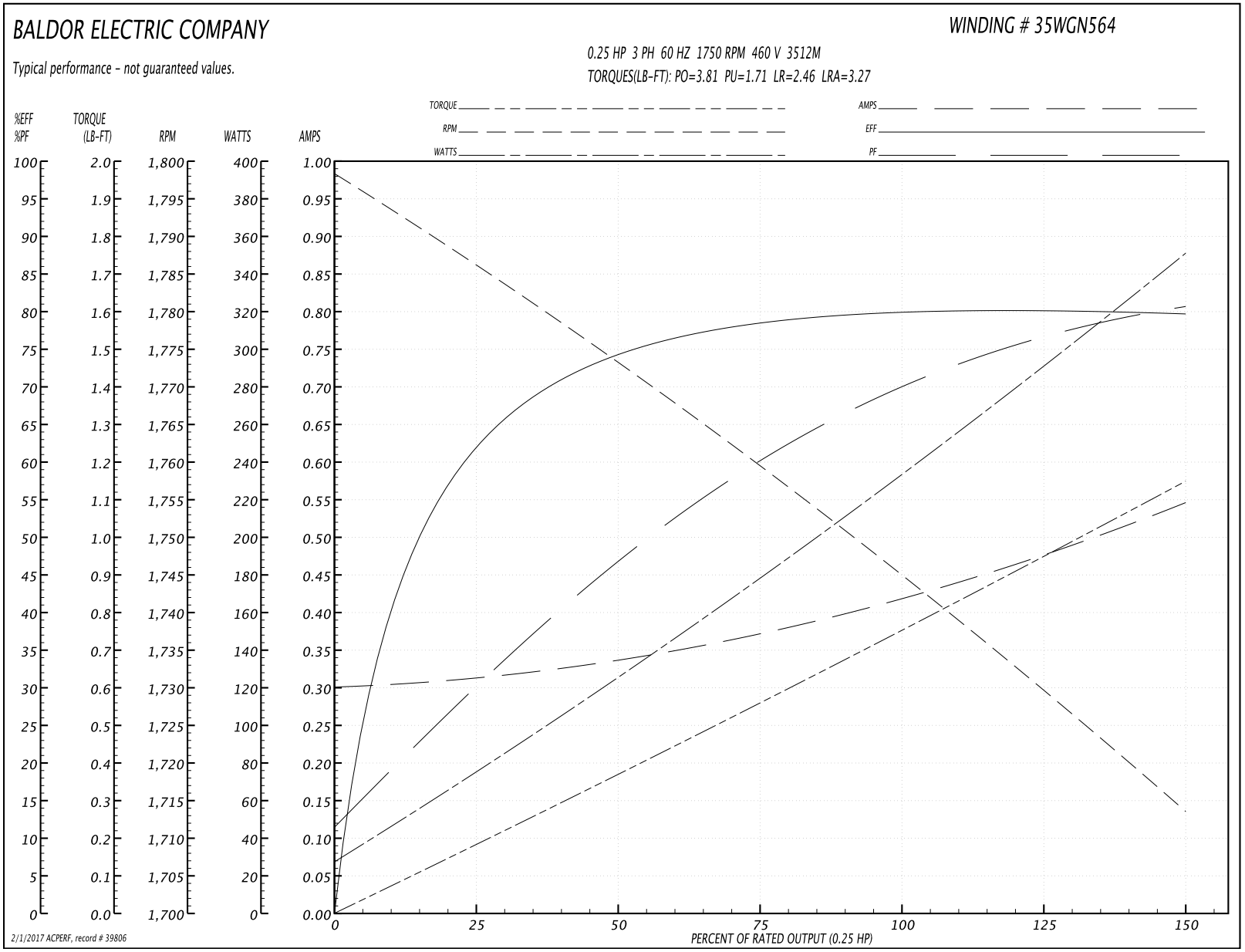
Load Characteristics 460 V, 60 Hz, 0.25 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|---|---|---|---|---|---|---|---|
| Power Factor | 31 | 47 | 60 | 70 | 77 | 81 | 74 |
| Efficiency | 61.8 | 74.4 | 78.2 | 80.3 | 80.4 | 79.5 | 80.5 |
| Speed | 1785 | 1773 | 1759 | 1745 | 1730 | 1713 | 1752 |
| Line amperes | 0.313 | 0.336 | 0.376 | 0.42 | 0.474 | 0.548 | 0.455 |



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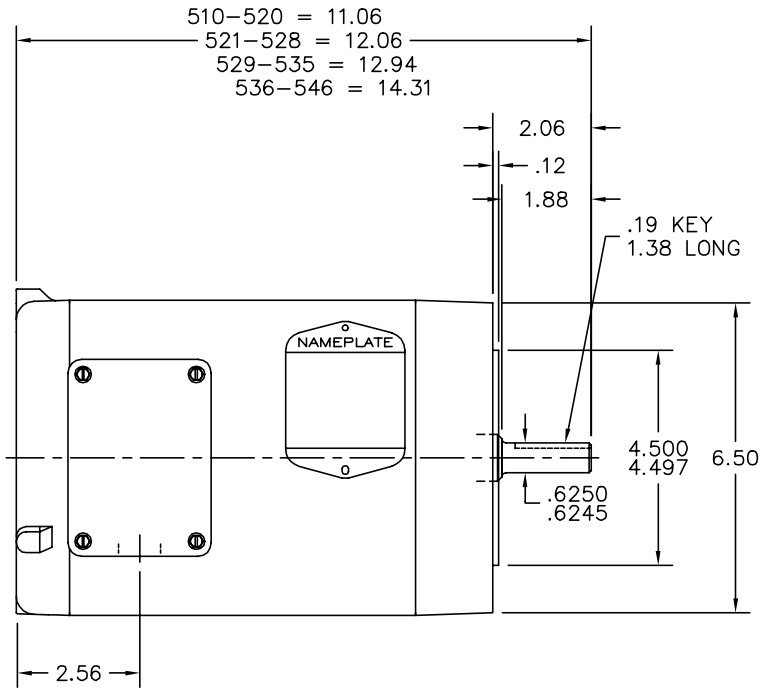
Performance Graph at 460V, 60Hz, 0.25HP Typical performance - Not guaranteed values

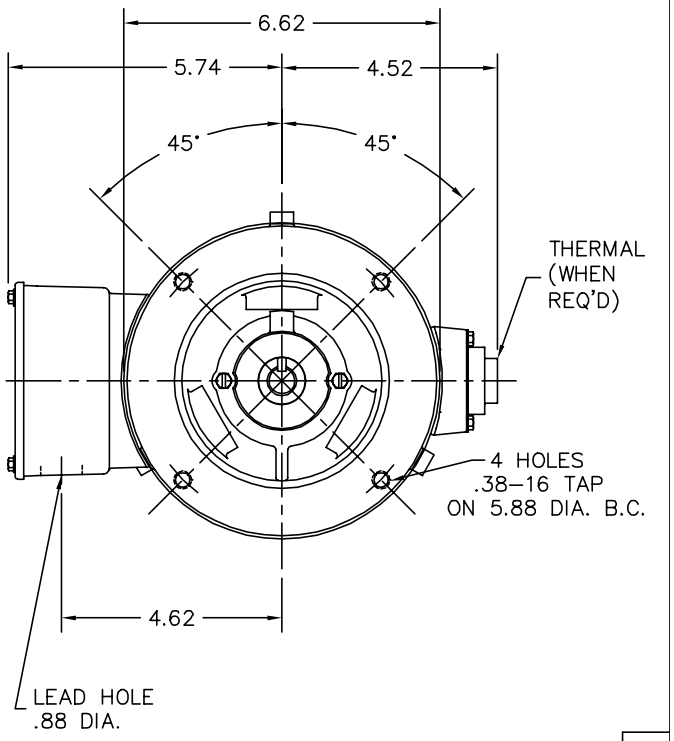





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35LYE010




35LYE010

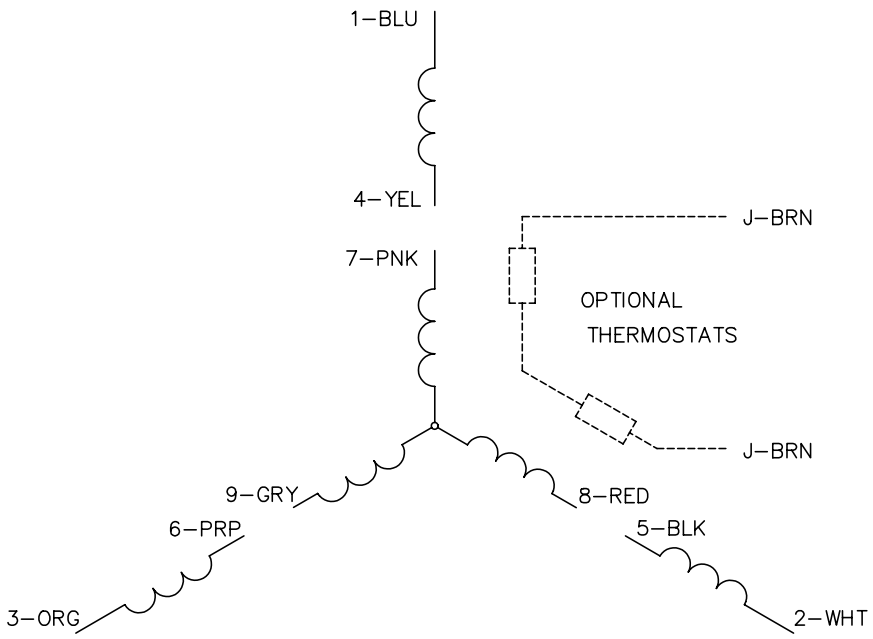
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

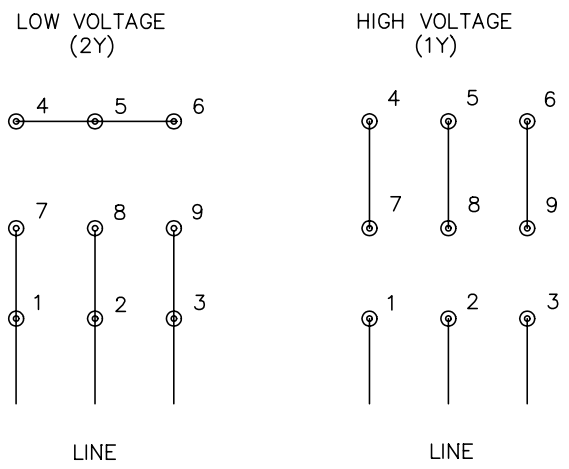
| | | | |
|---|---|---|---|
| REV. DESC: UPDATE KOLD GRAPHICS | | | BALDOR • DODGE • RELIANCE |
| REV. LTR: H | VERSION: 04 | TDR: 000000486011 | |
| FILE: \AAA\00027\338 | | REVISED: 14:58:02 12/31/2008 | STD VERT 56C TENV 35M |
| MTL: – | | BY: ENCHEB0 | SH 1 of 1 |



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CD0005




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.

CD0005

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| CD0005 | | FILE: AAA00005140 | MDL: – |
| | | MTL: – | 3PH, DV, 9 LEADS |



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