



## Product Information Packet

# CL3507

.75HP,1725RPM,1PH,60HZ,56C,3428LC,TEFC,F

| Part Detail |        |             |            |             |        |               |    |
|-------------|--------|-------------|------------|-------------|--------|---------------|----|
| Revision:   | AC     | Status:     | PRD/A      | Change #:   |        | Proprietary:  | No |
| Type:       | AC     | Elec. Spec: | 34WGY094   | CD Diagram: | CD0055 | Mfg Plant:    |    |
| Mech. Spec: | 34G451 | Layout:     | 34LYG451   | Poles:      | 04     | Created Date: |    |
| Base:       | RG     | Eff. Date:  | 05-16-2022 | Leads:      | 6#18   |               |    |

| Specs                           |                         |                                |                 |
|---------------------------------|-------------------------|--------------------------------|-----------------|
| Catalog Number:                 | CL3507                  | Insulation Class:              | F               |
| Enclosure:                      | TEFC                    | Inverter Code:                 | Not Inverter    |
| Frame:                          | 56C                     | KVA Code:                      | J               |
| Frame Material:                 | Steel                   | Lifting Lugs:                  | No Lifting Lugs |
| Motor Letter Type:              | Cap Start, Cap Run      | Locked Bearing Indicator:      | Locked Bearing  |
| Output @ Frequency:             | .750 HP @ 60 HZ         | Motor Lead Quantity/Wire Size: | 6 @ 18 AWG      |
| Synchronous Speed @ Frequency:  | 1800 RPM @ 60 HZ        | Motor Lead Exit:               | Ko Box          |
| Voltage @ Frequency:            | 230.0 V @ 60 HZ         | Motor Lead Termination:        | Flying Leads    |
|                                 | 115.0 V @ 60 HZ         | Motor Type:                    | 3428LC          |
| XP Class and Group:             | None                    | Mounting Arrangement:          | F1              |
| XP Division:                    | Not Applicable          | Power Factor:                  | 78              |
| Agency Approvals:               | CSA                     | Product Family:                | General Purpose |
|                                 | UR                      | Pulley End Bearing Type:       | Ball            |
| Auxillary Box:                  | No Auxillary Box        | Pulley Face Code:              | C-Face          |
| Auxillary Box Lead Termination: | None                    | Pulley Shaft Indicator:        | Standard        |
| Base Indicator:                 | Rigid                   | Rodent Screen:                 | None            |
| Bearing Grease Type:            | Polyrex EM (-20F +300F) | RoHS Status:                   | ROHS COMPLIANT  |
| Blower:                         | None                    | Shaft Extension Location:      | Pulley End      |

|                                       |                           |                                    |                     |
|---------------------------------------|---------------------------|------------------------------------|---------------------|
| <b>Current @ Voltage:</b>             | 4.400 A @ 208.0 V         | <b>Shaft Ground Indicator:</b>     | No Shaft Grounding  |
|                                       | 8.400 A @ 115.0 V         | <b>Shaft Rotation:</b>             | Reversible          |
|                                       | 4.200 A @ 230.0 V         | <b>Shaft Slinger Indicator:</b>    | No Slinger          |
| <b>Design Code:</b>                   | N                         | <b>Speed Code:</b>                 | Single Speed        |
| <b>Drip Cover:</b>                    | No Drip Cover             | <b>Motor Standards:</b>            | NEMA                |
| <b>Duty Rating:</b>                   | CONT                      | <b>Starting Method:</b>            | Direct on line      |
| <b>Electrically Isolated Bearing:</b> | Not Electrically Isolated | <b>Thermal Device - Bearing:</b>   | None                |
| <b>Feedback Device:</b>               | NO FEEDBACK               | <b>Thermal Device - Winding:</b>   | None                |
| <b>Front Face Code:</b>               | Standard                  | <b>Vibration Sensor Indicator:</b> | No Vibration Sensor |
| <b>Front Shaft Indicator:</b>         | None                      | <b>Winding Thermal 1:</b>          | None                |
| <b>Heater Indicator:</b>              | No Heater                 | <b>Winding Thermal 2:</b>          | None                |

## Nameplate NP1256L

|              |              |  |        |       |                    |  |  |         |    |   |
|--------------|--------------|--|--------|-------|--------------------|--|--|---------|----|---|
| CAT.NO.      | CL3507       |  |        |       |                    |  |  |         |    |   |
| SPEC.        | 34G451Y094   |  |        |       |                    |  |  |         |    |   |
| HP           | .75          |  |        |       |                    |  |  |         |    |   |
| VOLTS        | 115/208-230  |  |        |       |                    |  |  |         |    |   |
| AMP          | 8.4/5.4-4.2  |  |        |       |                    |  |  |         |    |   |
| RPM          | 1725         |  |        |       |                    |  |  |         |    |   |
| FRAME        | 56C          |  |        |       | HZ 60              |  |  |         | PH | 1 |
| SER.F.       | 1.15         |  | CODE J |       | DES N              |  |  | CLASS F |    |   |
| NEMA-NOM-EFF | 72           |  |        | PF 78 |                    |  |  |         |    |   |
| RATING       | 40C AMB-CONT |  |        |       |                    |  |  |         |    |   |
| CC           |              |  |        |       | USABLE AT 208V 5.4 |  |  |         |    |   |
| DE           | 6203         |  |        |       | ODE 6203           |  |  |         |    |   |
| ENCL         | TEFC         |  | SN     |       |                    |  |  |         |    |   |
|              |              |  |        |       |                    |  |  |         |    |   |

**AC Induction Motor Performance Data**

Record # 50661

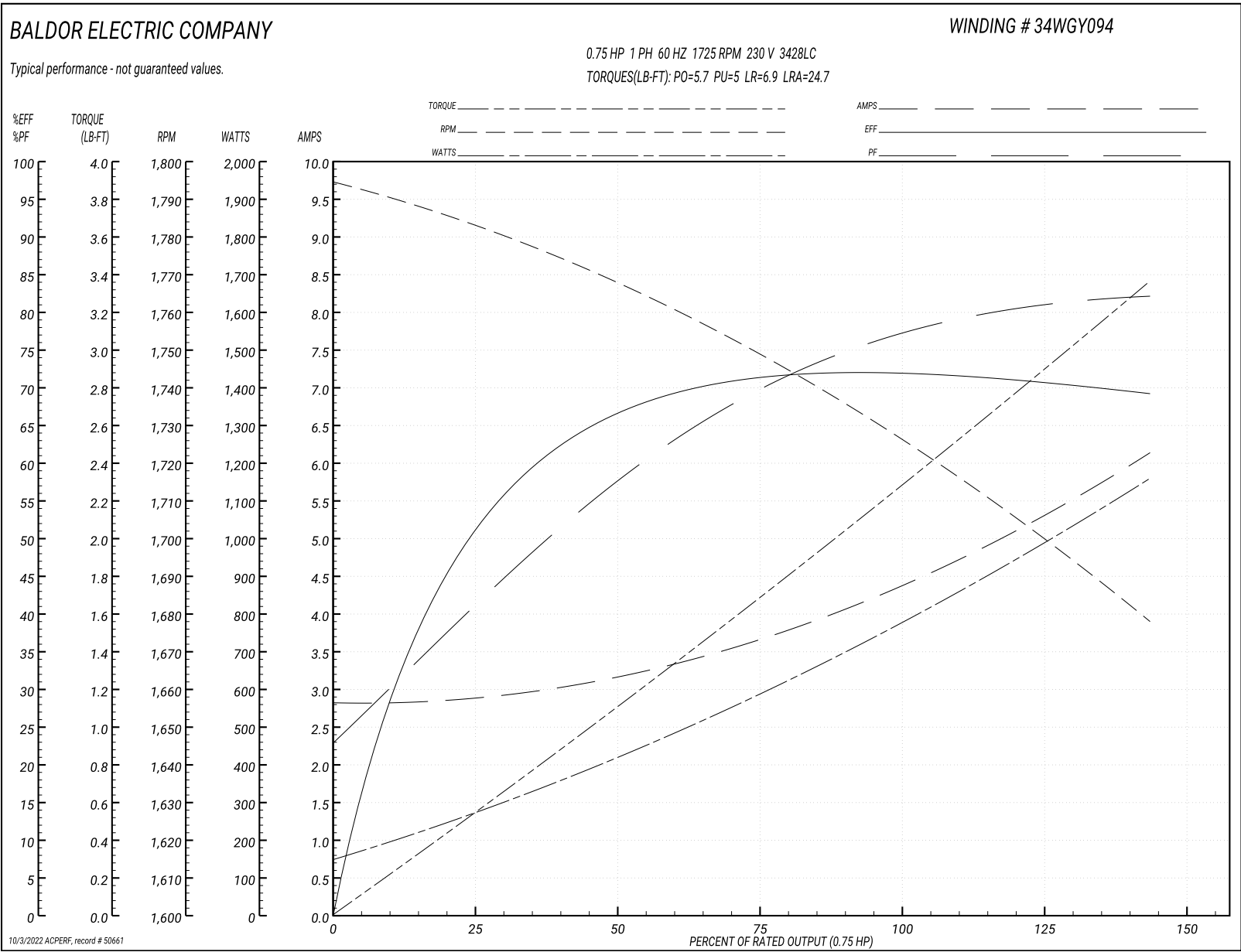
Typical performance - not guaranteed values

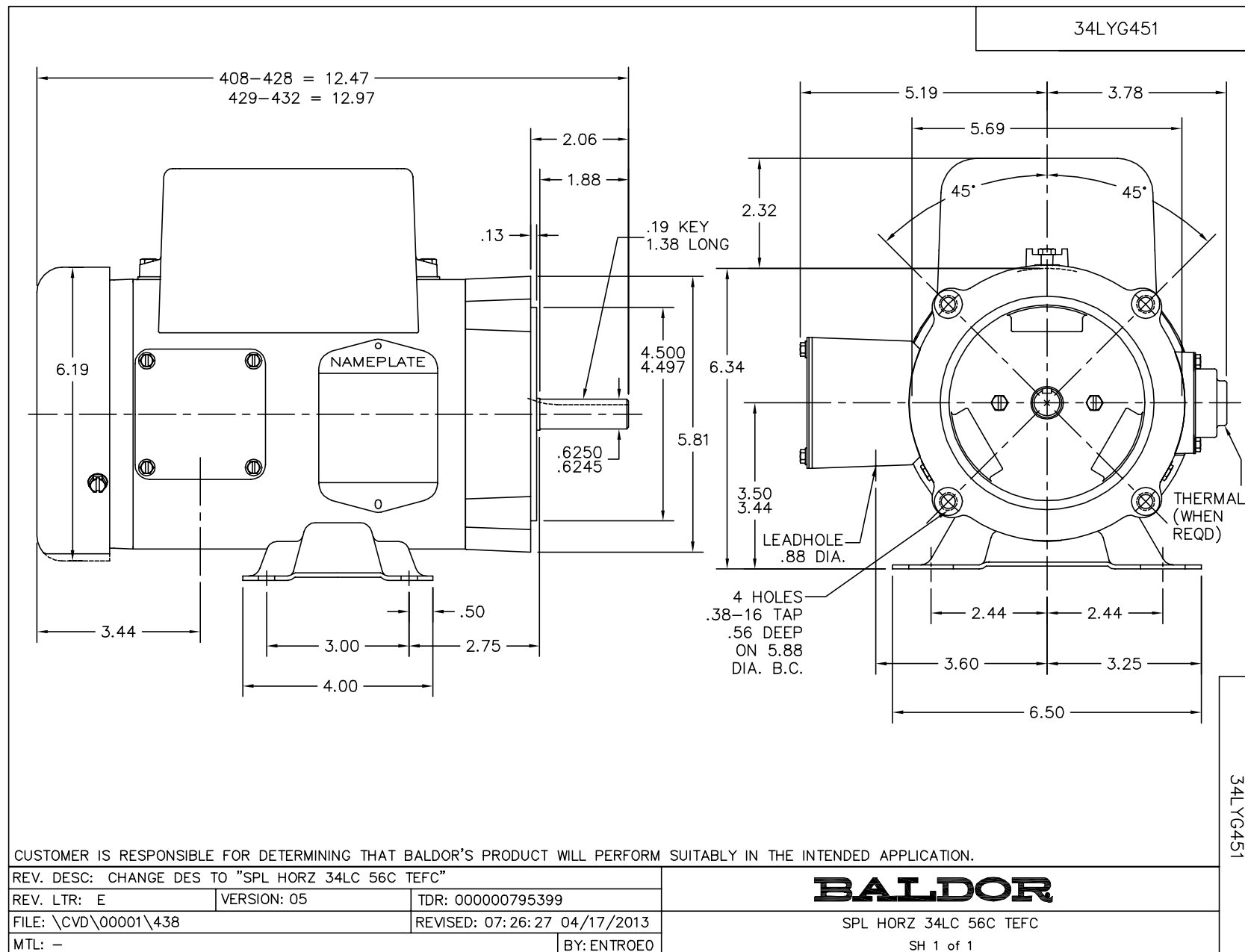
| Winding: 34WGY094-R011 |    |              | Type: 3428LC                             |                         | Enclosure: TEFC  |                       |                            |
|------------------------|----|--------------|------------------------------------------|-------------------------|------------------|-----------------------|----------------------------|
| Nameplate Data         |    |              | 230 V, 60 Hz:<br>High Voltage Connection |                         |                  |                       |                            |
| Rated Output (HP)      |    | .75          | Full Load Torque                         |                         | 2.25 LB-FT       |                       |                            |
| Volts                  |    | 115/208-230  | Start Configuration                      |                         | direct on line   |                       |                            |
| Full Load Amps         |    | 8.4/5.4-4.2  | Breakdown Torque                         |                         | 5.7 LB-FT        |                       |                            |
| R.P.M.                 |    | 1725         | Pull-up Torque                           |                         | 5 LB-FT          |                       |                            |
| Hz                     | 60 | Phase        | 1                                        | Locked-rotor Torque     |                  | 6.9 LB-FT             |                            |
| NEMA Design Code       |    | N            | KVA Code                                 | J                       | Starting Current |                       | 24.7 A                     |
| Service Factor (S.F.)  |    | 1.15         |                                          | No-load Current         |                  | 2.8 A                 |                            |
| NEMA Nom. Eff.         |    | 72           | Power Factor                             |                         | 78               | Line-line Res. @ 25°C | 3.22 Ω A Ph<br>1.76 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT |                                          | Temp. Rise @ Rated Load |                  | 71°C                  |                            |
| S.F. Amps              |    |              |                                          | Temp. Rise @ S.F. Load  |                  | 82°C                  |                            |

**Load Characteristics 230 V, 60 Hz, 0.75 HP**

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 43   | 57   | 70   | 78   | 82   | 86   | 80   |
| Efficiency      | 50.2 | 66.1 | 71.1 | 72.3 | 72   | 68.6 | 72.1 |
| Speed           | 1780 | 1766 | 1749 | 1729 | 1707 | 1675 | 1716 |
| Line amperes    | 2.9  | 3.2  | 3.7  | 4.3  | 5.1  | 6.2  | 4.78 |

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values





CD0055

