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# Customer information packet

## UCL1015

10-15 AIR OVERHP, 3450RPM, 1PH, 60HZ, 215Z, 3

Class - None

Division - Not Applicable

## Specifications

|                                |                                        |
|--------------------------------|----------------------------------------|
| Enclosure                      | OPEN                                   |
| Frame                          | 215Z                                   |
| Frame Material                 | Steel                                  |
| Frequency                      | 60.00 Hz                               |
| Haz Area Class and Group       | None                                   |
| Haz Area Division              | Not Applicable                         |
| Motor Letter Type              | Cap Start, Cap Run                     |
| Output @ Frequency             | 15.000 HP @ 60 HZ<br>10.000 HP @ 60 HZ |
| Phase                          | 1                                      |
| Synchronous Speed @ Frequency  | 3600 RPM @ 60 HZ                       |
| Voltage @ Frequency            | 230.0 V @ 60 HZ                        |
| Agency Approvals               | UR<br>CSA                              |
| Ambient Temperature            | 40 °C                                  |
| Auxiliary Box                  | NO AUXILLARY BOX                       |
| Auxiliary Box Lead Termination | None                                   |
| Base Indicator                 | Rigid                                  |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                |
| Blower                         | None                                   |
| Current @ Voltage              | 44.000 A @ 230.0 V                     |
| Design Code                    | L                                      |
| Drip Cover                     | No Drip Cover                          |
| Duty Rating                    | CONT                                   |
| Efficiency @ 100% Load         | 84.0 %                                 |
| Electrically Isolated Bearing  | Not Electrically Isolated              |
| Feedback Device                | NO FEEDBACK                            |
| Front Face Code                | Standard                               |
| Front Shaft Indicator          | None                                   |
| Heater Indicator               | No Heater                              |
| High Voltage Full Load Amps    | 44.0 a                                 |
| Insulation Class               | F                                      |

## Part detail

|              |                               |
|--------------|-------------------------------|
| Revision     | U                             |
| Type         | AC                            |
| Mech. spec.  | 37M291                        |
| Base         |                               |
| Status       | PRD/A                         |
| Elec. spec.  | 37WGW198                      |
| Layout       | 37LYM291                      |
| Eff. date    | 01-02-2025                    |
| CD Diagram   | CD0208                        |
| Poles        | 02                            |
| Leads        | 2#8 A PH,2#14 B PH 32" long Y |
| Proprietary  | False                         |
| Created date | 01-07-2010                    |

|                               |                            |
|-------------------------------|----------------------------|
| Inverter Code                 | Not Inverter               |
| KVA Code                      | G                          |
| Lifting Lugs                  | Standard Lifting Lugs      |
| Locked Bearing Indicator      | Locked Bearing             |
| Motor Lead Exit               | Pipe Or Pipe Adaptor       |
| Motor Lead Quantity/Wire Size | 2 @ 8 AWG, A PH            |
| Motor Lead Termination        | Flying Leads               |
| Motor Standards               | NEMA                       |
| Motor Type                    | 3744LC                     |
| Mounting Arrangement          | F1                         |
| Number of Poles               | 2                          |
| Overall Length                | 17.81 IN                   |
| Power Factor                  | 89                         |
| Product Family                | General Purpose            |
| Pulley End Bearing Type       | Sealed Bearing             |
| Pulley Face Code              | Standard                   |
| Pulley Shaft Indicator        | Tapped & Key               |
| Rodent Screen                 | Included                   |
| Service Factor                | 1.00                       |
| Shaft Diameter                | 1.125 IN                   |
| Shaft Extension Location      | Pulley End                 |
| Shaft Ground Indicator        | No Shaft Grounding         |
| Shaft Rotation                | Reversible                 |
| Shaft Slinger Indicator       | No Slinger                 |
| Speed                         | 3450 rpm                   |
| Speed Code                    | Single Speed               |
| Starting Method               | Direct on line             |
| Thermal Device - Bearing      | None                       |
| Thermal Device - Winding      | Normally Closed Thermostat |
| Vibration Sensor Indicator    | No Vibration Sensor        |
| Winding Thermal 1             | None                       |
| Winding Thermal 2             | None                       |

## Nameplate

| NP1279L      |                |  |      |      |     |    |    |   |  |
|--------------|----------------|--|------|------|-----|----|----|---|--|
| CAT.NO.      | UCL1015        |  |      |      |     |    |    |   |  |
| SPEC.        | 37M291W198     |  |      |      |     |    |    |   |  |
| HP           | 10-15 AIR OVER |  |      |      |     |    |    |   |  |
| VOLTS        | 230            |  |      |      |     |    |    |   |  |
| AMP          | 45-64          |  |      |      |     |    |    |   |  |
| RPM          | 3450           |  |      |      |     |    |    |   |  |
| FRAME        | 215Z           |  | HZ   | 60   |     | PH |    | 1 |  |
| SER.F.       | 1.00           |  | CODE | G    | DES | L  | CL | F |  |
| NEMA-NOM-EFF | 84             |  | PF   | 89   |     |    |    |   |  |
| RATING       | 40C AMB-CONT   |  |      |      |     |    |    |   |  |
| CC           |                |  |      |      |     |    |    |   |  |
| DE           | 6307           |  | ODE  | 6206 |     |    |    |   |  |
| ENCL         | OPEN           |  | SN   |      |     |    |    |   |  |

## NP1263L

|              |                |  |      |    |      |    |  |    |    |   |
|--------------|----------------|--|------|----|------|----|--|----|----|---|
| CAT.NO.      | UCL1015        |  |      |    |      |    |  |    |    |   |
| SPEC.        | 37M291W198     |  |      |    |      |    |  |    |    |   |
| HP           | 10-15 AIR OVER |  |      |    |      |    |  |    |    |   |
| VOLTS        | 230            |  |      |    |      |    |  |    |    |   |
| AMP          | 45-64          |  |      |    |      |    |  |    |    |   |
| RPM          | 3450           |  |      |    |      |    |  |    |    |   |
| FRAME        | 215Z           |  |      |    | HZ   | 60 |  |    | PH | 1 |
| SER.F.       | 1.00           |  | CODE | G  | DES  | L  |  | CL | F  |   |
| NEMA-NOM-EFF | 84             |  | PF   | 89 |      |    |  |    |    |   |
| RATING       | 40C AMB-CONT   |  |      |    |      |    |  |    |    |   |
| CC           |                |  |      |    |      |    |  |    |    |   |
| DE           | 6307           |  | ODE  |    | 6206 |    |  |    |    |   |
| ENCL         | OPEN           |  | SN   |    |      |    |  |    |    |   |
|              |                |  |      |    |      |    |  |    |    |   |

## AC Induction Motor Performance Data

Record # 11817

Typical performance - not guaranteed values

| Winding: 37WGW198-R001 |    |                |              | Type: 3744LC                          |                       | Enclosure: OPAO |                              |
|------------------------|----|----------------|--------------|---------------------------------------|-----------------------|-----------------|------------------------------|
| Nameplate Data         |    |                |              | 230 V, 60 Hz:<br>Single Voltage Motor |                       |                 |                              |
| Rated Output (HP)      |    | 10-15 AIR OVER |              | Full Load Torque                      |                       | 22.5 LB-FT      |                              |
| Volts                  |    | 230            |              | Start Configuration                   |                       | direct on line  |                              |
| Full Load Amps         |    | 45-64          |              | Breakdown Torque                      |                       | 53 LB-FT        |                              |
| R.P.M.                 |    | 3450           |              | Pull-up Torque                        |                       | 37.9 LB-FT      |                              |
| Hz                     | 60 | Phase          | 1            | Locked-rotor Torque                   |                       | 42.3 LB-FT      |                              |
| NEMA Design Code       |    | L              | KVA Code     | G                                     | Starting Current      |                 | 394 A                        |
| Service Factor (S.F.)  |    | 1              |              | No-load Current                       |                       | 18 A            |                              |
| NEMA Nom. Eff.         |    | 84             | Power Factor | 89                                    | Line-line Res. @ 25°C |                 | 0.134 Ω A Ph<br>0.774 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT   |              | Temp. Rise @ Rated Load               |                       |                 |                              |
|                        |    |                |              | Locked-rotor Power Factor             |                       | 65.5            |                              |
|                        |    |                |              | Rotor inertia                         |                       | 0.41 lb-ft²     |                              |

## Load Characteristics 230 V, 60 Hz, 15 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  |
|-----------------|------|------|------|------|------|------|
| Power Factor    | 73   | 86   | 91   | 92   | 92   | 89   |
| Efficiency      | 68.6 | 79.6 | 82.6 | 82.8 | 80   | 76   |
| Speed           | 3575 | 3555 | 3531 | 3498 | 3460 | 3400 |
| Line amperes    | 24.8 | 36   | 48.7 | 64   | 81.7 | 105  |

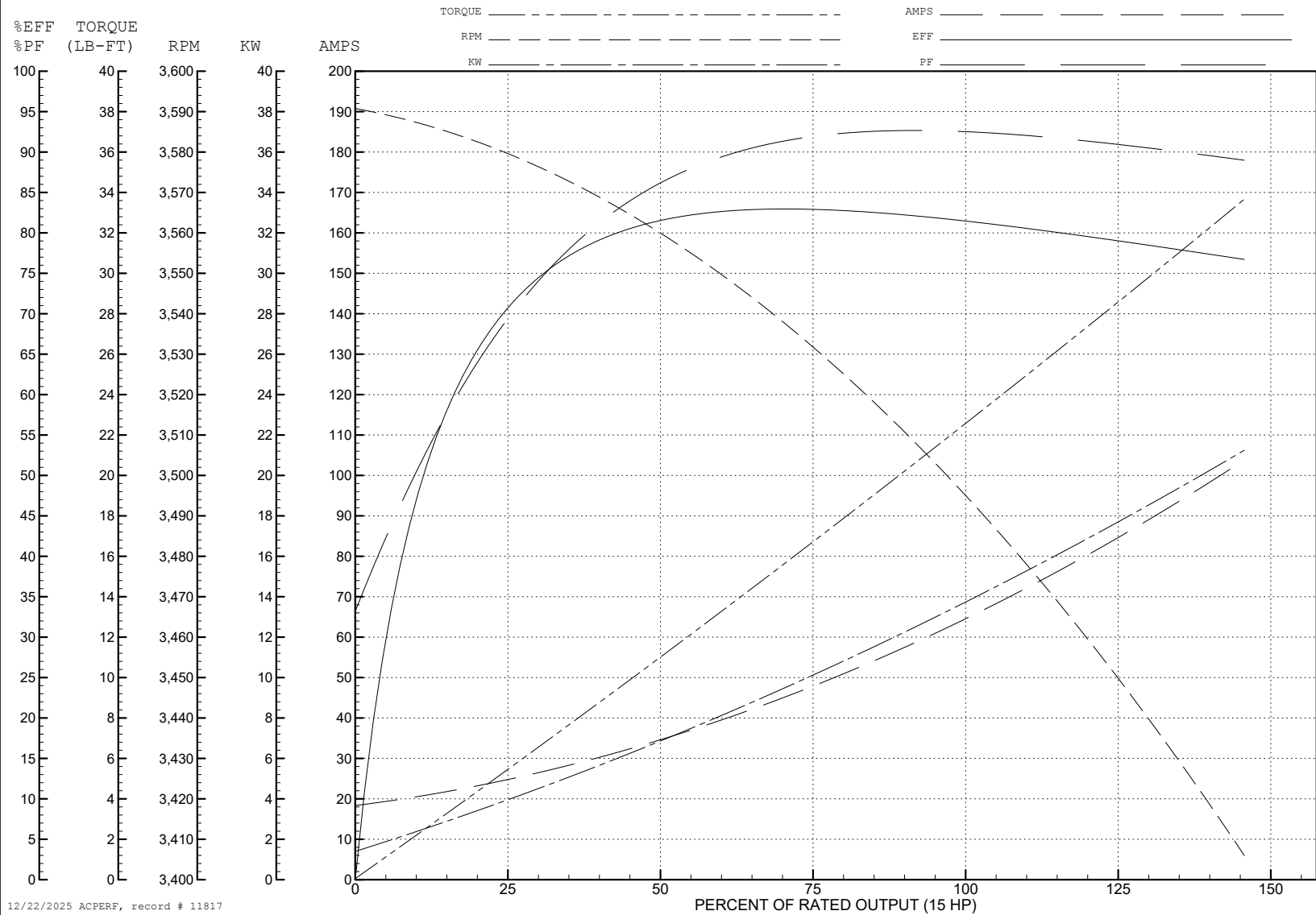
ABB Motors and Mechanical Inc.

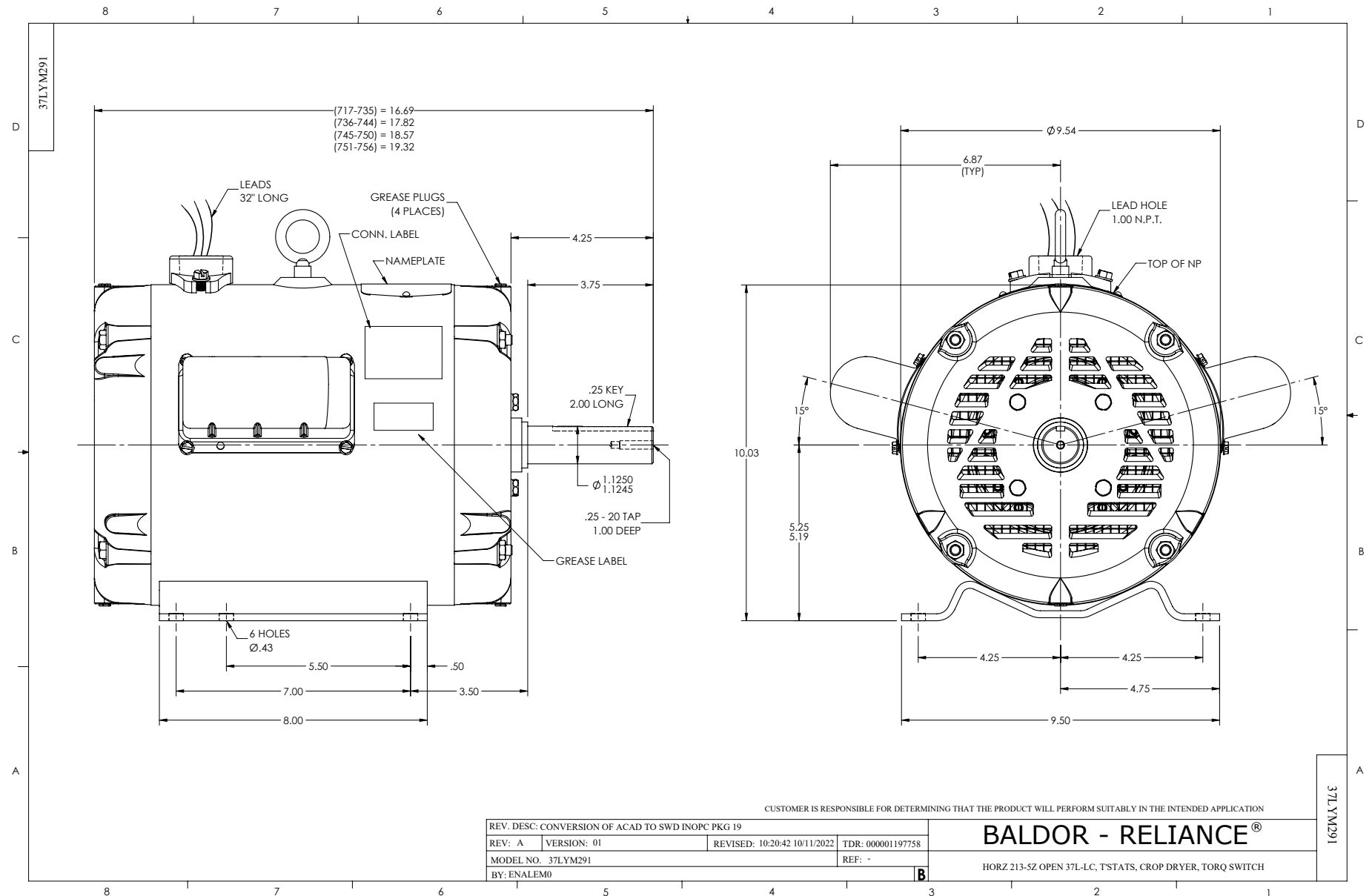
WINDING # 37WGW198

Typical performance - not guaranteed values.

15 HP 1 PH 60 HZ 3450 RPM 230 V 3744LC

TORQUES (LB-FT): PO=53 PU=37.9 LR=42.3 LRA=394







CD0208

