

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **SUM71504**

**15HP,1745RPM,3PH,60HZ,210TY,TENV,FOOTLE**

| Part Detail |       |                |       |             |               |               |            |
|-------------|-------|----------------|-------|-------------|---------------|---------------|------------|
| Revision:   | -     | Status:        | PRD/A | Change #:   |               | Proprietary:  | No         |
| Type:       | AC    | Prod. Type:    |       | Elec. Spec: | E02744-A-A007 | CD Diagram:   | 416820-2   |
| Enclosure:  | TENV  | Mfg Plant:     |       | Mech. Spec: |               | Layout:       | 066930-502 |
| Frame:      | 210TY | Mounting:      | V1    | Poles:      | 04            | Created Date: | 04-09-2015 |
| Base:       |       | Rotation:      | R     | Insulation: | F             | Eff. Date:    | 04-13-2015 |
| Leads:      |       |                |       |             |               | Replaced By:  |            |
| Literature: |       | Elec. Diagram: |       |             |               |               |            |

|                       |       |                          |
|-----------------------|-------|--------------------------|
| Nameplate 000613007AC |       |                          |
| CLASS I GROUP         | C D X | NO. <input type="text"/> |
| CLASS II GROUP        | X X X |                          |
| OPERATING TEMP CODE   | T3C   |                          |

Nameplate 000613007MN

|                    |                          |                                  |           |
|--------------------|--------------------------|----------------------------------|-----------|
| <b>CAT NO</b>      | SUM71504                 | <b>SPEC NO.</b>                  | P21G2703  |
| <b>HP</b>          | 15                       | <b>AMPS</b>                      | 40.2/20.1 |
| <b>FRAME SIZE</b>  | X0210TY                  | <b>RPM</b>                       | 1745      |
| <b>D.E. BRG.</b>   | 60BC02JPP30A             | <b>PH</b>                        | 3         |
| <b>O.D.E. BRG.</b> | 30BC02JPG30A             | <b>TYPE</b>                      | P         |
|                    |                          | <b>POWER FACTOR</b>              |           |
|                    |                          | <b>MAX CORR KVAR</b>             |           |
|                    |                          | <b>NEMA NOM/CSA QUOTED EFF @</b> |           |
| <b>SER.NO.</b>     |                          | <b>MOTOR WEIGHT</b>              | 400       |
|                    | *15 MIN IN AIR ;SUB.IN   |                                  |           |
|                    | WATER/SEWAGE ONLY; FINAL |                                  |           |
|                    | CONN@230V SEE MANUAL FOR |                                  |           |

  

|              |          |                              |      |
|--------------|----------|------------------------------|------|
| <b>VOLTS</b> | 230/ 460 | <b>DESIGN</b>                | B    |
| <b>HZ</b>    | 60       | <b>SF</b>                    | 1.15 |
| <b>AMB</b>   | 40       | <b>INSUL</b>                 | F    |
| <b>DUTY</b>  | *        | <b>CODE</b>                  | G    |
| <b>ENCL</b>  | TENV     | <b>NEMA-NOM-EFF</b>          |      |
|              |          | <b>GUARANTEED EFFICIENCY</b> |      |
|              |          | <b>100% LOAD</b>             |      |
|              |          | <b>LBS.</b>                  |      |

Nameplate 000613007MR

|             |                          |                           |           |                       |
|-------------|--------------------------|---------------------------|-----------|-----------------------|
| CAT NO      | SUM71504                 | SPEC NO.                  | P21G2703  |                       |
| HP          | 15                       | AMPS                      | 40.2/20.1 | VOLTS                 |
| FRAME SIZE  | X0210TY                  | RPM                       | 1745      | HZ                    |
| D.E. BRG.   | 60BC02JPP30A             | PH                        | 3         | DUTY                  |
| O.D.E. BRG. | 30BC02JPG30A             | TYPE                      | P         | ENCL                  |
|             |                          | POWER FACTOR              |           | NEMA-NOM-EFF          |
|             |                          | MAX CORR KVAR             |           | GUARANTEED EFFICIENCY |
|             |                          |                           |           | 100% LOAD             |
| SER.NO.     |                          | NEMA NOM/CSA QUOTED EFF @ |           |                       |
|             |                          | MOTOR WEIGHT              | 400       | LBS.                  |
|             | *15 MIN IN AIR ;SUB.IN   |                           |           |                       |
|             | WATER/SEWAGE ONLY; FINAL |                           |           |                       |
|             | CONN@230V SEE MANUAL FOR |                           |           |                       |

Nameplate 000692000MB

MAXDEPTH

|                       |                     |
|-----------------------|---------------------|
| Nameplate 000692000MB |                     |
|                       | MAXDEPTH; P21G2703L |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |

| Parts List  |                                          |          |
|-------------|------------------------------------------|----------|
| Part Number | Description                              | Quantity |
| SA297408    | SA P21G2703                              | 1.000 EA |
| RA284377    | RA P21G2703                              | 1.000 EA |
| 000613007AC | UL NAMEPLATE FOR HAZARDOUS LOCATIONS     | 1.000 EA |
| 000613007MN | NP,MEDIUM AC,NO CERT,STD INDUSTRIAL      | 1.000 EA |
| 000613007MR | NP, MEDIUM AC, CSA, STD INDUSTRIAL       | 1.000 EA |
| 000692000EJ | NAME PLATE                               | 1.000 EA |
| 000901001AA | LABEL WARNING                            | 1.000 EA |
| 001575000B  | WIRING DIAGRAM                           | 1.000 EA |
| 424476003WA | WIRING DIAGRAM MEDIUMA                   | 1.000 EA |
| 034692002AE | HCSPP 1/4" 304 S.S.                      | 1.000 EA |
| 004824015A  | GREASE POLYREX EM                        | 0.100 LB |
| 032018012DG | HHCS 1/2-13X1-1/2 316S.S                 | 4.000 EA |
| 032130010DC | HSHCS 1/2-13X1-1/4 304SS                 | 4.000 EA |
| 032620020JD | HSSS 10-24X5/8L 304S.S.                  | 1.000 EA |
| 034692003AE | PPLG 3/8" 304 S.S.                       | 2.000 EA |
| 047174005C  | SNAP RING                                | 1.000 EA |
| 047174005D  | SNAP RING                                | 1.000 EA |
| 064262012C  | SEAL                                     | 1.000 EA |
| 064262012D  | SEAL                                     | 1.000 EA |
| 088207001AA | BRKT,DE,210SUB 88207-1WA                 | 1.000 EA |
| 088208001AA | MTG PLATE EX210Y SUBMERSIBLE 088208001WB | 1.000 EA |
| 413412004A  | SUBM MOISTURE PROBE                      | 2.000 EA |
| 413412005S  | LEAD WIRE ASSY(BLANKET                   | 1.000 EA |
| 413480001R  | RESISTOR ASSEMBLY-BLANKET                | 1.000 EA |

| Parts List (continued) |                                      |          |
|------------------------|--------------------------------------|----------|
| Part Number            | Description                          | Quantity |
| 421900144FU            | ORING                                | 1.000 EA |
| 421900144FU            | ORING                                | 1.000 EA |
| 603761001AA            | LABYRINTH                            | 1.000 EA |
| 032018006BM            | HHCS 5/16-18X3/4 PLTGRN.             | 1.000 EA |
| 032018010CG            | HHCS 3/8-16X1-1/4L 316SS             | 4.000 EA |
| 421900092FU            | ORING                                | 1.000 EA |
| 700385014N             | CCA #6 25' 210/250                   | 1.000 EA |
| 004824007K             | SPECIAL PAINT                        | 0.100 EA |
| 033775004EA            | DRSCR #6-1/4 304 S.S.                | 4.000 EA |
| 034180009FD            | KEY 3/8X3/8X1-1/8 303 SS             | 1.000 EA |
| 000692000MB            | BALDOR RELIANCE MOTOR DATA NAMEPLATE | 1.000 EA |
| 000692000MB            | BALDOR RELIANCE MOTOR DATA NAMEPLATE | 1.000 EA |
| 088206001AB            | BRKT,ODE,210SUB 88206-1WB            | 1.000 EA |
| 421900144FU            | ORING                                | 1.000 EA |
| 004824018AF            | SHELL ROTELLA OIL 10W                | 2.500 LB |
| 032018008BG            | HHCS 5/16-18X1 BRASS-447             | 3.000 EA |
| 032018012DG            | HHCS 1/2-13X1-1/2 316S.S             | 4.000 EA |
| 000901001AA            | LABEL WARNING                        | 1.000 EA |
| B3630-9                | SUBM THERMOSTAT TAG                  | 1.000 EA |
| B-3664002              | TAG, (NON REGREASABLE)               | 1.000 EA |

|                                                                                                                                                                                                             |             |                               |                   |                                                        |                      |                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------|-------------------|--------------------------------------------------------|----------------------|----------------------|
| REL.<br>S.O.                                                                                                                                                                                                | FRAME       | HP                            | TYPE              | PHASE/<br>HERTZ                                        | RPM                  | VOLTS                |
| S1200208244                                                                                                                                                                                                 | 210TY       | 15                            | P                 | 3/60                                                   | 1745                 | 230/460              |
|                                                                                                                                                                                                             |             |                               |                   |                                                        |                      |                      |
| AMPS                                                                                                                                                                                                        | DUTY        | AMB <sup>°</sup> C/<br>INSUL. | S.F.              | NEMA<br>DESIGN                                         | CODE<br>LETTER       | ENCL.                |
| 40.2/20.1                                                                                                                                                                                                   | CONT        | 40/F                          | 1.15              | B                                                      | G                    | TENV                 |
|                                                                                                                                                                                                             |             |                               |                   |                                                        |                      |                      |
| E/S                                                                                                                                                                                                         | ROTOR       | TEST<br>S.O.                  | TEST<br>DATE      | STATOR RES. @25 <sup>°</sup> C<br>OHMS (BETWEEN LINES) |                      |                      |
| 534872                                                                                                                                                                                                      | 418425040EE | ---                           | ---               | .237/.948                                              |                      |                      |
| PERFORMANCE                                                                                                                                                                                                 |             |                               |                   |                                                        |                      |                      |
| LOAD                                                                                                                                                                                                        | HP          | AMPERES                       | RPM               | INPUT<br>KW                                            | %<br>POWER<br>FACTOR | %<br>EFFI-<br>CIENCY |
| NO LOAD                                                                                                                                                                                                     | 0           | 8.0                           | 1800              | .878                                                   | 13.8                 | 0                    |
| 1/4                                                                                                                                                                                                         | 3.75        | 9.5                           | 1787              | 3.74                                                   | 49.6                 | 74.8                 |
| 2/4                                                                                                                                                                                                         | 7.50        | 12.2                          | 1775              | 6.72                                                   | 69.2                 | 83.3                 |
| 3/4                                                                                                                                                                                                         | 11.3        | 15.8                          | 1762              | 9.83                                                   | 77.9                 | 85.4                 |
| 4/4                                                                                                                                                                                                         | 15.0        | 20.1                          | 1747              | 13.1                                                   | 82.0                 | 85.4                 |
| 5/4                                                                                                                                                                                                         | 18.7        | 24.8                          | 1730              | 16.6                                                   | 83.9                 | 84.4                 |
| SPEED TORQUE                                                                                                                                                                                                |             |                               |                   |                                                        |                      |                      |
|                                                                                                                                                                                                             | RPM         | TORQUE<br>% FULL LOAD         | TORQUE<br>LB.-FT. | AMPERES                                                |                      |                      |
| LOCKED ROTOR                                                                                                                                                                                                | 0           | 184                           | 83.0              | 114                                                    |                      |                      |
| PULL UP                                                                                                                                                                                                     | 400         | 157                           | 71.0              | 109                                                    |                      |                      |
| BREAKDOWN                                                                                                                                                                                                   | 1522        | 250                           | 113               | 65.6                                                   |                      |                      |
| FULL LOAD                                                                                                                                                                                                   | 1747        | 100                           | 45.1              | 20.1                                                   |                      |                      |
| AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE<br>AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE<br><br>REMARKS: TYPICAL DATA<br>*15MIN IN AIR, CONT IN LIQUID |             |                               |                   |                                                        |                      |                      |

DR. BY D. M. BYRD  
 CK. BY T. S. WILLIAMS  
 APP. BY D. M. BYRD  
 DATE 08/02/04

**A-C MOTOR**  
**PERFORMANCE**  
**DATA**

**E02744-A-A007/**  
**S1200208244**  
 ISSUE DATE **08/27/15**

A MEMBER OF THE ABB GROUP





