

BALDOR® • ***RELIANCE***

Product Information Packet

SUM71004-4

10HP,1755RPM,3PH,60HZ,210TY,TENV,FOOTLE

| Part Detail | | | | | | | |
|-------------|-------|----------------|-------|-------------|---------------|---------------|------------|
| Revision: | - | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | | Elec. Spec: | E02263-LAW017 | CD Diagram: | 416820-1 |
| 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 | | | | | | | | | | |
| CAT NO | SUM71004-4 | | SPEC NO. | P21G2702 | | | | | | |
| HP | 10 | AMPS | 26.0/13.0 | | VOLTS | 230/ 460 | | DESIGN | B | |
| FRAME SIZE | X210TY | RPM | 1755 | | HZ | 60 | AMB | 40 | SF | 1.15 |
| D.E. BRG. | 60BC02JPP30A | | PH | 3 | DUTY | * | | INSUL | F | |
| O.D.E. BRG. | 30BC02JPG30A | | TYPE | P | ENCL | TENV | | CODE | G | |
| | | | POWER FACTOR | | | NEMA-NOM-EFF | | | | |
| | | | MAX CORR KVAR | | | GUARANTEED EFFICIENCY | | | | |
| | | | | | NEMA NOM/CSA QUOTED EFF @ | | | 100% LOAD | | |
| SER.NO. | | | MOTOR WEIGHT | 380 | | LBS. | | | | |
| | FINAL CONN@ 460V *15 MIN IN | | | | | | | | | |
| | AIR ;SUB.IN WATER/SEWAGE ONLY | | | | | | | | | |
| | SEE MANUAL FOR MAXDEPTH; | | | | | | | | | |

| | | | | | | | | | | |
|------------------------------|-------------------------------|-----------------|----------------------|---|----------------------------------|-----------|-------------|---------------|-----------|------|
| Nameplate 000613007MR | | | | | | | | | | |
| CAT NO | SUM71004-4 | SPEC NO. | P21G2702 | | | | | | | |
| HP | 10 | AMPS | 26.0/13.0 | | VOLTS | 230/ 460 | | DESIGN | B | |
| FRAME SIZE | X210TY | RPM | 1755 | | HZ | 60 | AMB | 40 | SF | 1.15 |
| D.E. BRG. | 60BC02JPP30A | | PH | 3 | DUTY | * | | INSUL | F | |
| O.D.E. BRG. | 30BC02JPG30A | | TYPE | P | ENCL | TENV | | CODE | G | |
| | | | POWER FACTOR | | NEMA-NOM-EFF | | | | | |
| | | | MAX CORR KVAR | | GUARANTEED EFFICIENCY | | | | | |
| | | | | | NEMA NOM/CSA QUOTED EFF @ | 100% LOAD | | | | |
| SER.NO. | | | | | MOTOR WEIGHT | 380 | LBS. | | | |
| | FINAL CONN@ 460V *15 MIN IN | | | | | | | | | |
| | AIR ;SUB.IN WATER/SEWAGE ONLY | | | | | | | | | |
| | SEE MANUAL FOR MAXDEPTH; | | | | | | | | | |

| Parts List | | |
|-------------|--|----------|
| Part Number | Description | Quantity |
| SA297409 | SA P21G2702 | 1.000 EA |
| RA284378 | RA P21G2702 | 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 |
| 001575000A | WIRING DIAGRAM | 1.000 EA |
| 424476003WB | 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 | HSACS 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 |
| 032018006BM | HHCS 5/16-18X3/4 PLTGRN. | 1.000 EA |
| 032018010CG | HHCS 3/8-16X1-1/4L 316SS | 4.000 EA |
| 032080003JB | HWHMS 10-24X3/8L PLTED | 4.000 EA |
| 032080003LB | HWHMS 1/4-20X3/8L PLTED | 6.000 EA |
| 034036013AB | LCKW 5/16 EXT.TOOTH LCKW | 1.000 EA |
| 047024003AH | T/LUG AMP 34112 | 4.000 EA |
| 047024003B | T/LUG AMP 33218 | 9.000 EA |
| 415031017A | NUT W/WASHER 10-24 C.PLT | 4.000 EA |
| 415031017B | NUT W/WASHER1/4-20 C.P | 6.000 EA |
| 421900092FU | ORING | 1.000 EA |
| 609181014D | HEAT SHRINK TUBING 3/4 | 10.000 EA |
| 700385014M | CCA #8 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 |
| 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. S.O. | FRAME | HP | TYPE | PHASE/HERTZ | RPM | VOLTS |
| | 210TY | 10 | P | 3/60 | 1755 | 230/460 |
| AMPS | DUTY | AMB °C/ INSUL. | S.F. | NEMA DESIGN | CODE LETTER | ENCL. |
| 26/13 | * | 40/F | 1.15 | B | G | SUB |
| E/S | ROTOR | TEST S.O. | TEST DATE | STATOR RES (25 °C OHMS (BETWEEN LINES)) | | |
| 534499 | 418425-43FE | --- | --- | .339/1.35 | | |

PERFORMANCE


| LOAD | HP | AMPERES | RPM | INPUT KW | POWER FACTOR | % EFFICIENCY |
|---------|------|---------|------|----------|--------------|--------------|
| NO LOAD | 0 | 4.8 | 1800 | .609 | 15.9 | 0 |
| 1/4 | 2.51 | 5.8 | 1789 | 2.52 | 54.2 | 74.2 |
| 2/4 | 5.00 | 7.8 | 1779 | 4.50 | 72.8 | 83.0 |
| 3/4 | 7.50 | 10.2 | 1768 | 6.56 | 80.6 | 85.3 |
| 4/4 | 10.0 | 13.0 | 1756 | 8.71 | 84.1 | 85.6 |
| 5/4 | 12.5 | 16.1 | 1742 | 11.0 | 85.4 | 84.8 |

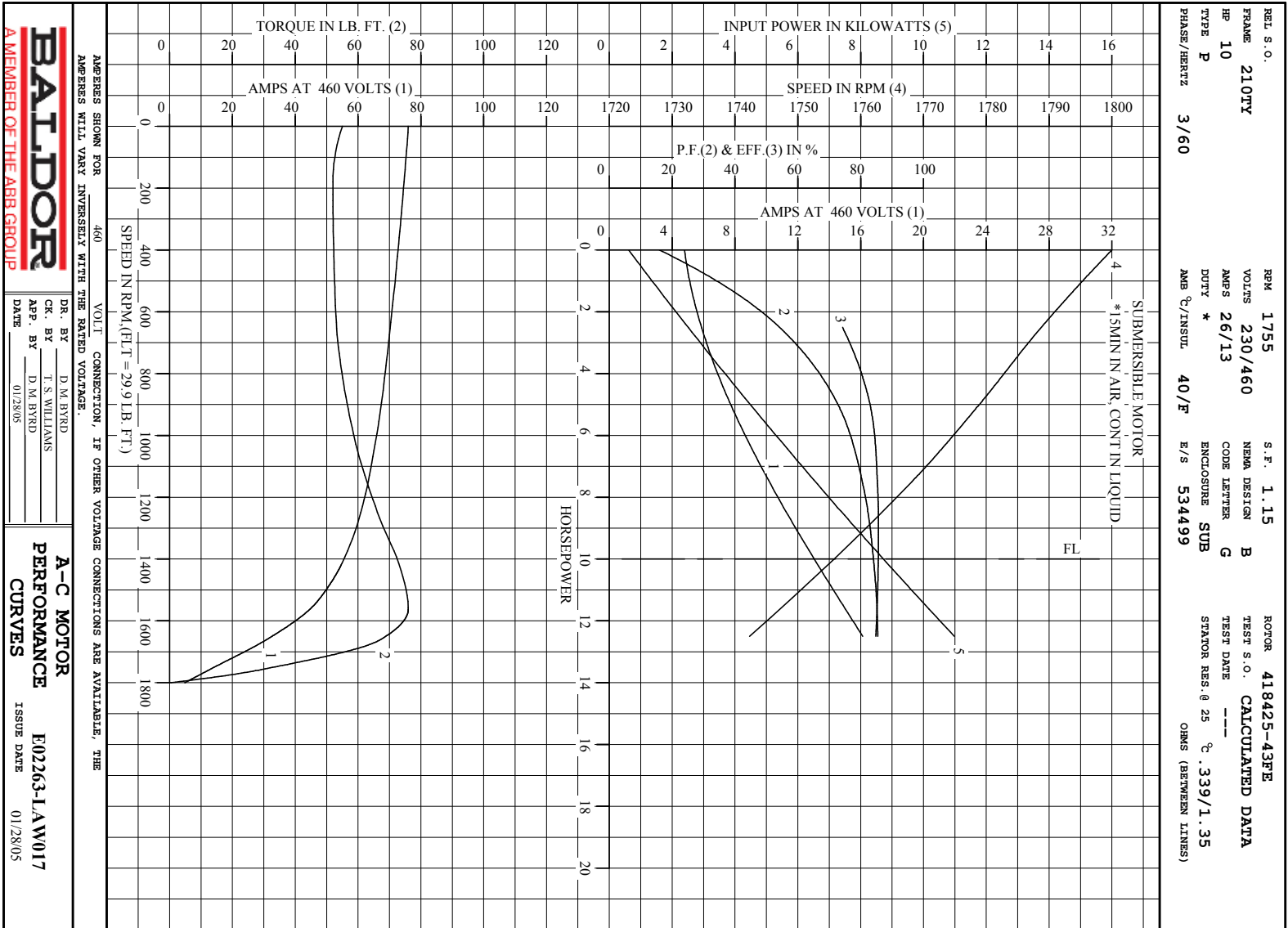
SPEED TORQUE

| | RPM | TORQUE % FULL LOAD | TORQUE LB.-FT. | AMPERES |
|--------------|------|--------------------|----------------|---------|
| LOCKED ROTOR | 0 | 184 | 55.0 | 76.0 |
| PULL UP | 180 | 174 | 52.0 | 74.7 |
| BREAKDOWN | 1561 | 254 | 76.0 | 44.8 |
| FULL LOAD | 1756 | 100 | 29.9 | 13.0 |

AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: CALCULATED DATA
SUBMERSIBLE MOTOR
*15MIN IN AIR, CONT IN LIQUID

| | | | |
|--|---------|----------------|--|
|  <p>A MEMBER OF THE ABB GROUP</p> | DR. BY | D. M. BYRD | <p>A-C MOTOR PERFORMANCE DATA</p> <p>E02263-LAW017 ISSUE DATE 01/28/05</p> |
| | CR. BY | T. S. WILLIAMS | |
| | APP. BY | D. M. BYRD | |
| | DATE | 01/28/05 | |



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