

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **GPP7478**

**G.M. D24KA 180VDC 180:1 14 RPM GPP7478**

| Part Detail |      |             |       |                |          |               |              |
|-------------|------|-------------|-------|----------------|----------|---------------|--------------|
| Revision:   | T    | Status:     | PRD/A | Change #:      |          | Proprietary:  | No           |
| Type:       | DC   | Prod. Type: |       | Elec. Spec:    | 24WGZ022 | CD Diagram:   | CD1899       |
| Enclosure:  | TENV | Mfg Plant:  |       | Mech. Spec:    |          | Layout:       | 24A614Z022G9 |
| Frame:      | PSL  | Mounting:   |       | Poles:         | ///      | Created Date: | 03-14-2006   |
| Base:       |      | Rotation:   | R     | Insulation:    | F        | Eff. Date:    | 05-06-2016   |
| Field Type: |      | Literature: |       | Elec. Diagram: |          | Replaced By:  |              |

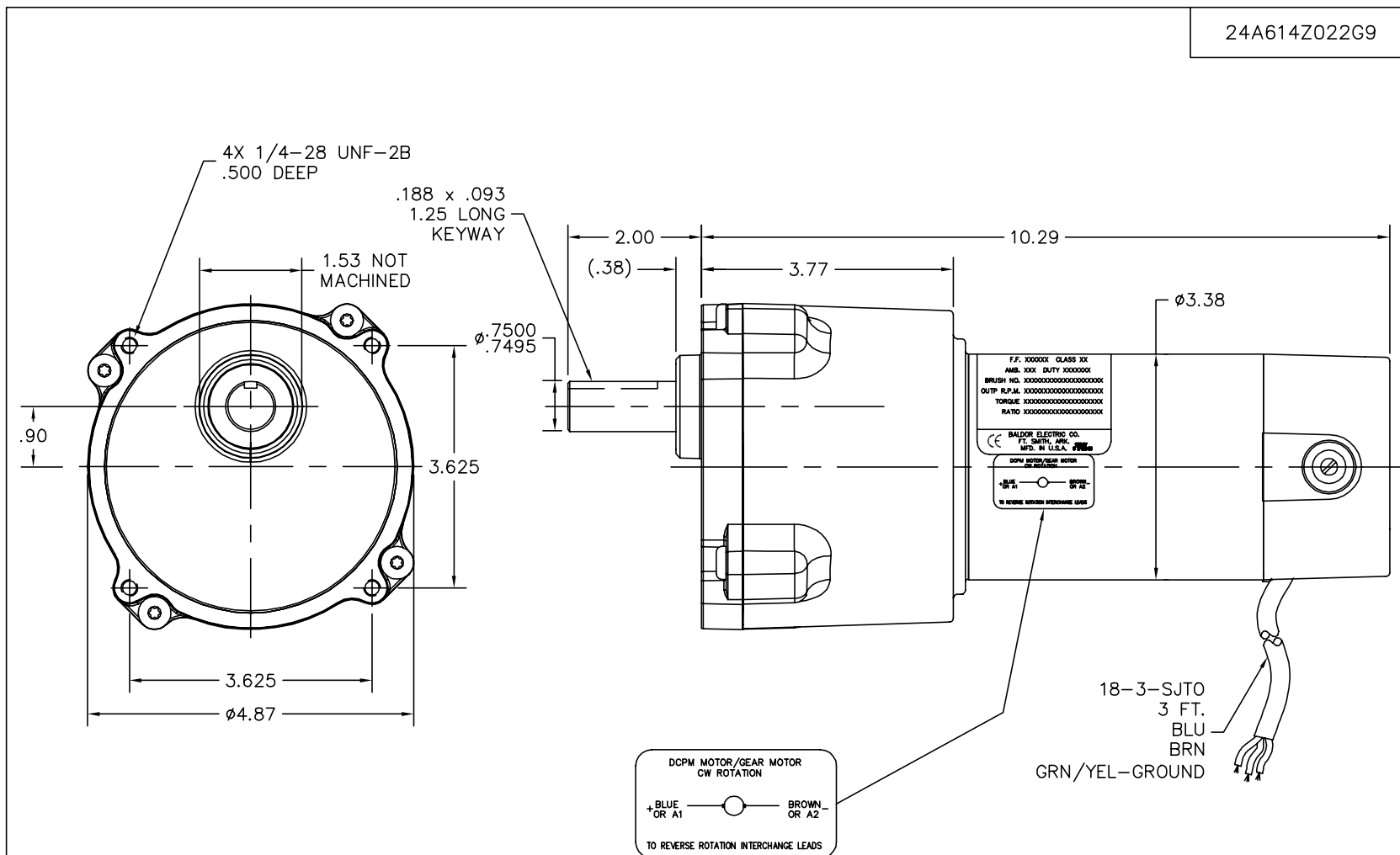
## Nameplate NP1220A08

|            |              |          |       |
|------------|--------------|----------|-------|
| CAT.NO.    | GPP7478      |          |       |
| SER.NO     |              |          |       |
| SPEC.      | 24A614Z022G9 |          |       |
| FRAME      | PSL          | TYPE     | 2424P |
| HP         | .25          | TE       |       |
| VOLTS      | 180          |          |       |
| AMP        | .60          |          |       |
| F.F.       | 1.45         | CLASS    | F     |
| AMB.       | 40           | DUTY     | CONT  |
| BRUSHES    | 2/BP5052BP01 |          |       |
| R.P.M.     | 14           |          |       |
| TORQ/IN LB | 365          |          |       |
| RATIO      | 180:1        |          |       |
| APRV-CE    |              | APRV-CUL |       |

| Parts List   |                                          |          |
|--------------|------------------------------------------|----------|
| Part Number  | Description                              | Quantity |
| SA140412     | SA 24A614Z022G9                          | 1.000 EA |
| AA011985     | AA 24A614Z022G9                          | 1.000 EA |
| LC0899A07    | CONNECTION LABEL, DCPM CW ROTATION CE CO | 1.000 EA |
| BP5052BP01SP | BRUSH, GRADE R884 NATIONAL CARBON (FOR 1 | 1.000 EA |
| HG0076A02AL  | HSG,PSL EP 24DC FRAME LONG HOUSING       | 1.000 EA |
| HW4600G58    | SEAL,10X20X4MM PGS 25002184 VITON VT802  | 1.000 EA |
| BMH1716      | WASHER,PREC 1.175"X.751"X.020"           | 1.000 EA |
| HW5002A45    | RETAINING RING,WALDES TRUARC N5002-118   | 1.000 EA |
| BH1163A02    | SCE88 INA NEEDLE ROL SM21                | 1.000 EA |
| HA4021A05    | 1/16 NPSF-HX SOC PIPE PLUG TAPER DRY SEA | 1.000 EA |
| 24EP3102A01L | EP,24DC 0DE CL 0.63P4                    | 1.000 EA |
| HW5109A13    | WASHER, WAVE SPRING FOR 26MM BORE SMALLE | 1.000 EA |
| BP4529SP     | BRUSH TUBE HOLDER:BBR1097                | 1.000 EA |
| BP4530SP     | BRUSH TUBE CAP:BBR1094                   | 1.000 EA |
| 80XN1032A04  | 10-32 X 1/4 SET SCREW                    | 2.000 EA |
| LD0110A04    | ASM,CABLE 18-3 SJTO BR,BL,G/Y, 40"       | 1.000 EA |
| 55XT0632G03  | 6-32 X 0.187 RD HD PHILLIPS, SERRATED    | 1.000 EA |
| WD4102A01    | SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M | 1.000 EA |
| HA3100A39    | THRUBOLT 10-32 X 6.375                   | 2.000 EA |
| BGS00976     | SHAFT,ASSY PSL LONG INT1 4RED 4.0/5.0    | 1.000 EA |
| BGS00113     | SHAFT,ASSY PSL LONG INT2 4RED 3.0/4.0    | 1.000 EA |
| BGS00114     | SHAFT,ASSY PSLH LONG INT3 4RED 3.0/3.0   | 1.000 EA |
| BGS00084     | SHAFT,ASSY PSL LONG OUTP 4RED 0.0/3.0    | 1.000 EA |
| CG0012A01AL  | CAP, PSL GEAR HEAD                       | 1.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| BH1163A03              | SCE1212 INA NEEDLE ROLLER BBG1027        | 1.000 EA |
| RM1020A22              | O-RING .070 X 4.527                      | 1.000 EA |
| HW4600G71              | SEAL, .750 X 1.250 X .250 SGL LIP FT802  | 1.000 EA |
| 60XM2520A12            | SCREW,PAN TORX 1/4-20X.750 THREAD FORMIN | 4.000 EA |
| MJ1000B02              | KLUB. GH6-460 GEAR OIL 1 GALLON          | 0.112 GA |
| BMH1910                | KEY 3/16X3/16X1 1/8 AUTO X               | 1.000 EA |
| NP1220A08              | NP,DC STD AD NONE V GEAR MOTOR CE CUL    | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1200/bx) 11/14 | 1.000 EA |
| CPA1000                | PACKING GROUP STD. SINGLE                | 1.000 EA |
| MG2000A14              | RUST VETO 342 RUST INHIBITOR             | 0.001 GA |
| ME4000                 | .375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT | 0.125 FT |

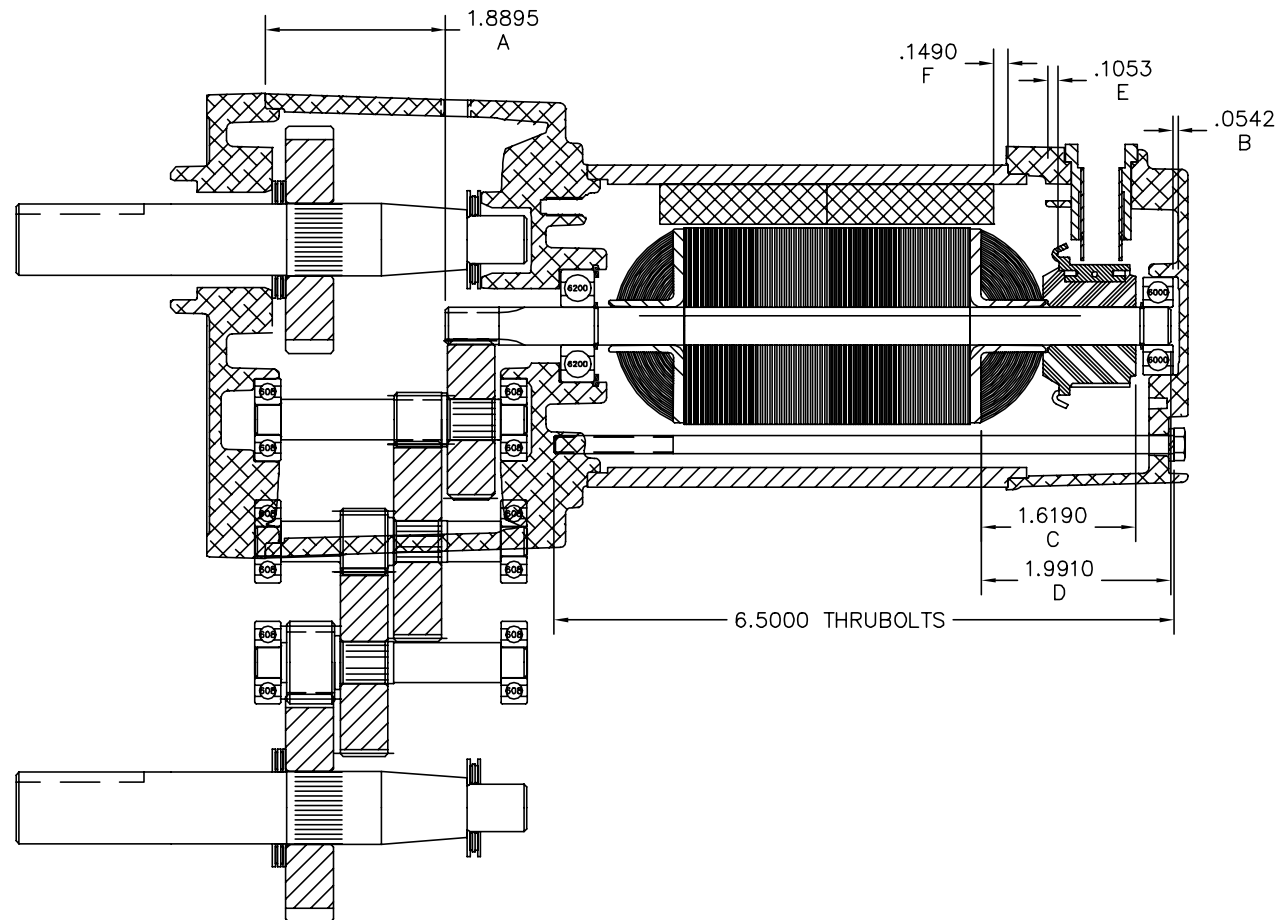
| Accessories |                                         |            |
|-------------|-----------------------------------------|------------|
| Part Number | Description                             | Multiplier |
| LB74        | KIT HB7042A00 L-BRACKET BLACK POWDER    | A8         |
| BC139       | .25HP-230V/SCR CNTL,AC,HP RES REQ.      | E9         |
| BC140       | CS2934A,120/240VAC .5/1-HP SCR CTL,NEMA | E9         |
| BC140-FBR   | 3479G KBMD-240D w/FBR CN3000A54         | E9         |
| BR0100      | PLUG IN RESISTOR                        | E9         |



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

|                                                        |                      |                              |                     |
|--------------------------------------------------------|----------------------|------------------------------|---------------------|
| REV. DESC: UPDATE DIMS.                                |                      |                              | BALDOR ELECTRIC Co. |
| REV. LTR: A                                            | VERSION: 01          | TDR: 000000404419            |                     |
| 24A614Z022G9                                           | FILE: \CKA\00029\601 | REVISED: 11:14:54 08/04/2006 |                     |
|                                                        | MTL: —               | BY: CKGLEHO                  |                     |
| LY,24DC PSL DOM TENV .750 X 2.00 EXT. 4X 1/4 MTG HOLES |                      |                              |                     |

24A614Z022G9



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REV. DESC: UPDATE DIMS.

REV. LTR: A

VERSION: 01

TDR: 000000404419

24A614Z022G9

FILE: \CKA\00029\601

REVISED: 11:14:55 08/04/2006

MTL: -

BY: CKGLEHO

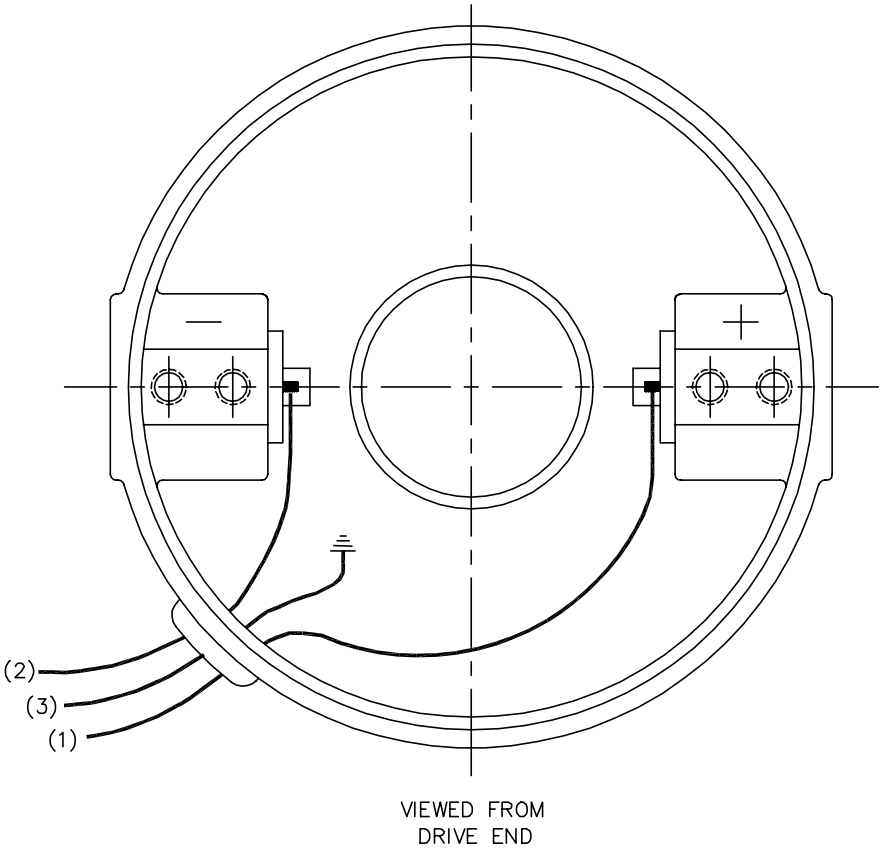
BALDOR ELECTRIC Co.

LY,24DC PSL DOM TENV .750 X 2.00 EXT. 4X 1/4 MTG HOLES

24A614Z022G9

CD1899

- (1) COLOR MAY BE  
RED  
WHT  
BLU
- (2) COLOR MAY BE  
BLK  
BRN
- (3) COLOR WHEN REQ.  
GRN  
GRN/YEL



VIEWED FROM  
DRIVE END

CD1899

|                |         |                              |             |
|----------------|---------|------------------------------|-------------|
| REV. DESC: NEW |         |                              |             |
| REV. LTR: -    | BY: PAW | REVISED: 09:06:34 09/16/2004 | TDR: 341564 |
| 668100         |         | FILE: CKA00025830            | REF: CD1899 |
|                |         | MTL: -                       |             |

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PM,2LD,REV,TANG,CK