



---

# Customer information packet

## IDDRPM363504R1M003

350HP, 1750, 460V, RL3698, DPFV, F2

## Specifications

|                               |                         |
|-------------------------------|-------------------------|
| Enclosure                     | DPFV                    |
| Frame                         | RL3698Z                 |
| Frame Material                | Exposed Laminations     |
| Frequency                     | 60.00 Hz                |
| Motor Letter Type             | Three Phase             |
| Output @ Frequency            | 350.000 HP @ 60 HZ      |
| Phase                         | 3                       |
| Synchronous Speed @ Frequency | 1800 RPM @ 60 HZ        |
| Voltage @ Frequency           | 460.0 V @ 60 HZ         |
| Agency Approvals              | CCSA US                 |
| Auxiliary Box                 | NO AUXILLARY BOX        |
| Base Indicator                | Rigid                   |
| Bearing Grease Type           | Polyrex EM (-20F +300F) |
| Current @ Voltage             | 407.000 A @ 460.0 V     |
| Duty Rating                   | CONT                    |
| Feedback Device               | ENCODER                 |
| Frame Prefix                  | RL                      |
| Heater Indicator              | No Heater               |
| High Voltage Full Load Amps   | 407.0 a                 |
| Insulation Class              | H                       |
| IP Rating                     | IP23                    |
| Motor Standards               | NEMA                    |
| Mounting Arrangement          | F2                      |
| Number of Poles               | 4                       |
| Overall Length                | 39.22 IN                |
| Product Family                | General Industrial      |
| Pulley End Bearing Type       | Ball                    |
| Pulley Face Code              | Standard                |
| Service Factor                | 1.00                    |
| Shaft Diameter                | 2.874 IN                |
| Shaft Ground Indicator        | No Shaft Grounding      |
| Shaft Rotation                | Reversible              |

## Part detail

|              |            |
|--------------|------------|
| Revision     | A          |
| Type         | AC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | L6186A     |
| Layout       | 619680-001 |
| Eff. date    | 03-29-2022 |
| CD Diagram   | 422927-001 |
| Poles        | 04         |
| Leads        |            |
| Proprietary  | False      |
| Created date | 06-20-2016 |

|                          |                            |
|--------------------------|----------------------------|
| Speed                    | 1770 rpm                   |
| Thermal Device - Bearing | None                       |
| Thermal Device - Winding | Normally Closed Thermostat |

## Nameplate

| 000613006MY |                    |                |             |         |            |       |        |           |     |
|-------------|--------------------|----------------|-------------|---------|------------|-------|--------|-----------|-----|
|             | DUTY               | HP             | RPM         | AMPS    | VOLTS      | HZ    |        |           |     |
|             | CONT               | 350            | 1770        |         | 407        | 460   | 60     |           |     |
|             | CONT               | 350            | 2200        |         | 395        | 460   | 74.5   |           |     |
|             |                    |                |             |         |            |       |        |           |     |
|             |                    |                |             |         |            |       |        |           |     |
| SPEC. NO.   | IDDRPM363504R1M003 |                |             |         |            |       |        |           |     |
| SER.NO      |                    |                | FR          | RL3698Z |            | INSUL | H      |           |     |
| PH.         | 3                  | MAX SAFE SPEED |             |         | 3750       | AMB.  | 40     | MIN. AMB. | -25 |
| DESIGN NO.  | L6186A             |                | TYPE        |         |            | ENCL. | DPG-FV |           |     |
| S.F.        | 1.00               |                | D.E. BRG.   |         | 95BC02J30X |       |        |           |     |
| ENCL MOD    |                    |                | O.D.E. BRG. |         | 80BC03J30X |       |        |           |     |
|             |                    |                |             |         |            |       |        |           |     |
|             |                    |                |             |         |            |       |        |           |     |

|             |       |              |      |                                        |           |                                                           |
|-------------|-------|--------------|------|----------------------------------------|-----------|-----------------------------------------------------------|
| REL. S. O.  | -     | VOLTS        | 460  | ENCLOSURE                              | DPFV      | WYE CONN EQ CKT OHMS PER PHASE<br>(AT BASE RATING, 25 °C) |
| FRAME       | L3698 | AMPS         | 407  | MAX SAFE RPM                           | 3750      | R1 .00898 X1 .0865                                        |
| HP          | 350   | DUTY         | CONT | IM (AMPS)                              | 130       | R2 .00675 X2 .0764                                        |
| BASE SPEED  | 1770  | S.F.         | 1.0  | P.F.@NL/FL                             | .037/.867 | XM 2.09                                                   |
| PHASE/HERTZ | 3/60  | AMB °C/INSUL | 40/H | WK <sup>2</sup> (lb.-ft <sup>2</sup> ) | 35        |                                                           |

RATED FULL LOAD DATA

|            | RPM  | HP  | TORQUE<br>LB-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|------------|------|-----|-----------------|---------------|---------|------|
| BASE SPEED | 1772 | 350 | 1037            | 460           | 60      | 409  |
| MAX SPEED  | 2200 | 350 | 835             | 460           | 74.5    | 398  |
| MIN SPEED  | 0    | 0   | 1037            | 11.7          | .926    | 409  |

LOAD PERFORMANCE AT BASE SPEED

|           | RPM  | HP   | TORQUE<br>LB-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|-----------|------|------|-----------------|---------------|---------|------|
| NO LOAD   | 1800 | 0    | 0               | 460           | 60      | 127  |
| 1/4       | 1794 | 87.8 | 257             | 460           | 60      | 162  |
| 1/2       | 1787 | 175  | 515             | 460           | 60      | 230  |
| 3/4       | 1780 | 262  | 774             | 460           | 60      | 315  |
| FULL LOAD | 1772 | 350  | 1037            | 460           | 60      | 409  |
| O/L       | 1754 | 520  | 1556            | 460           | 60      | 621  |

REMARKS: TYPICAL DATA

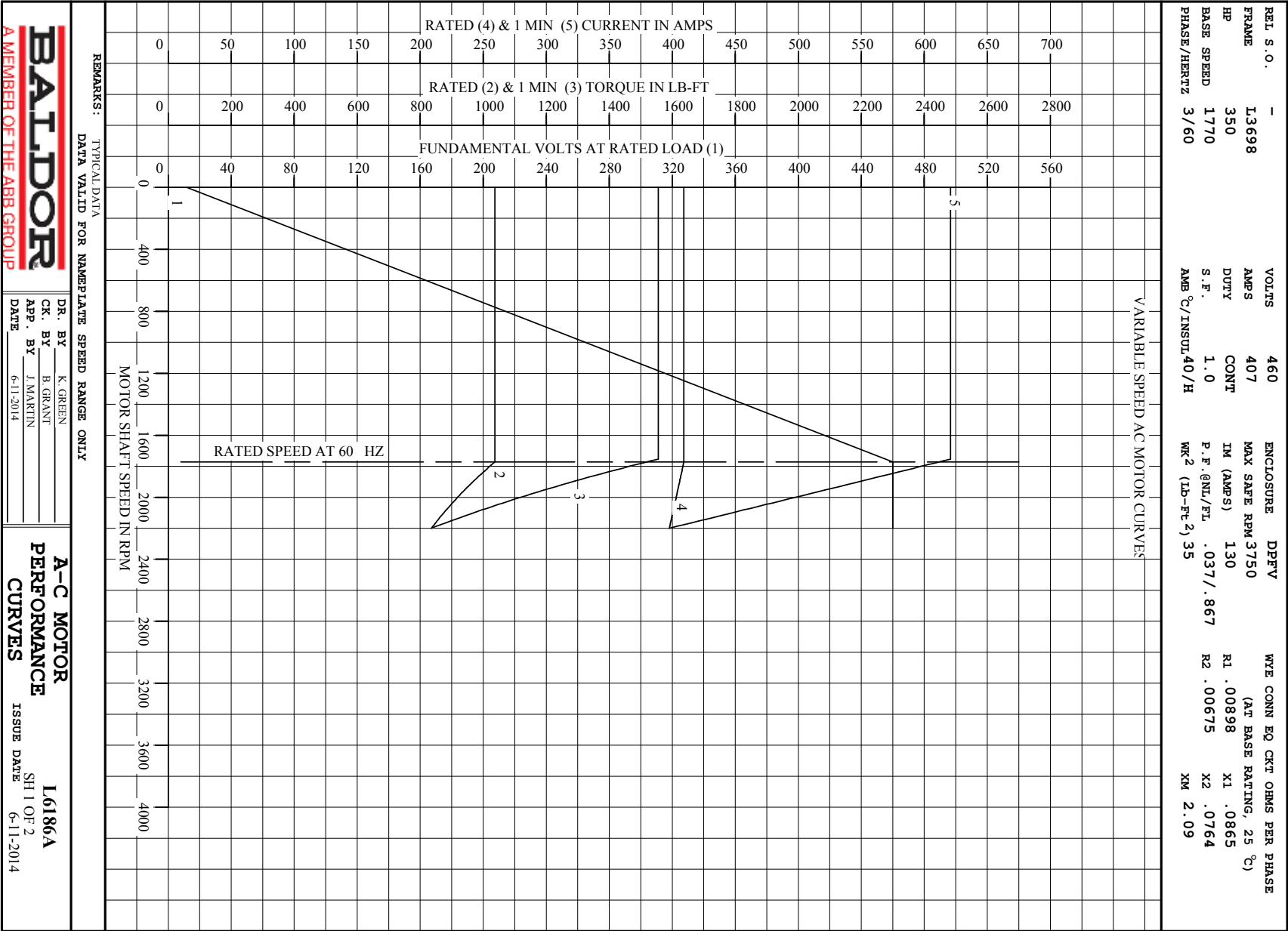
BALDOR

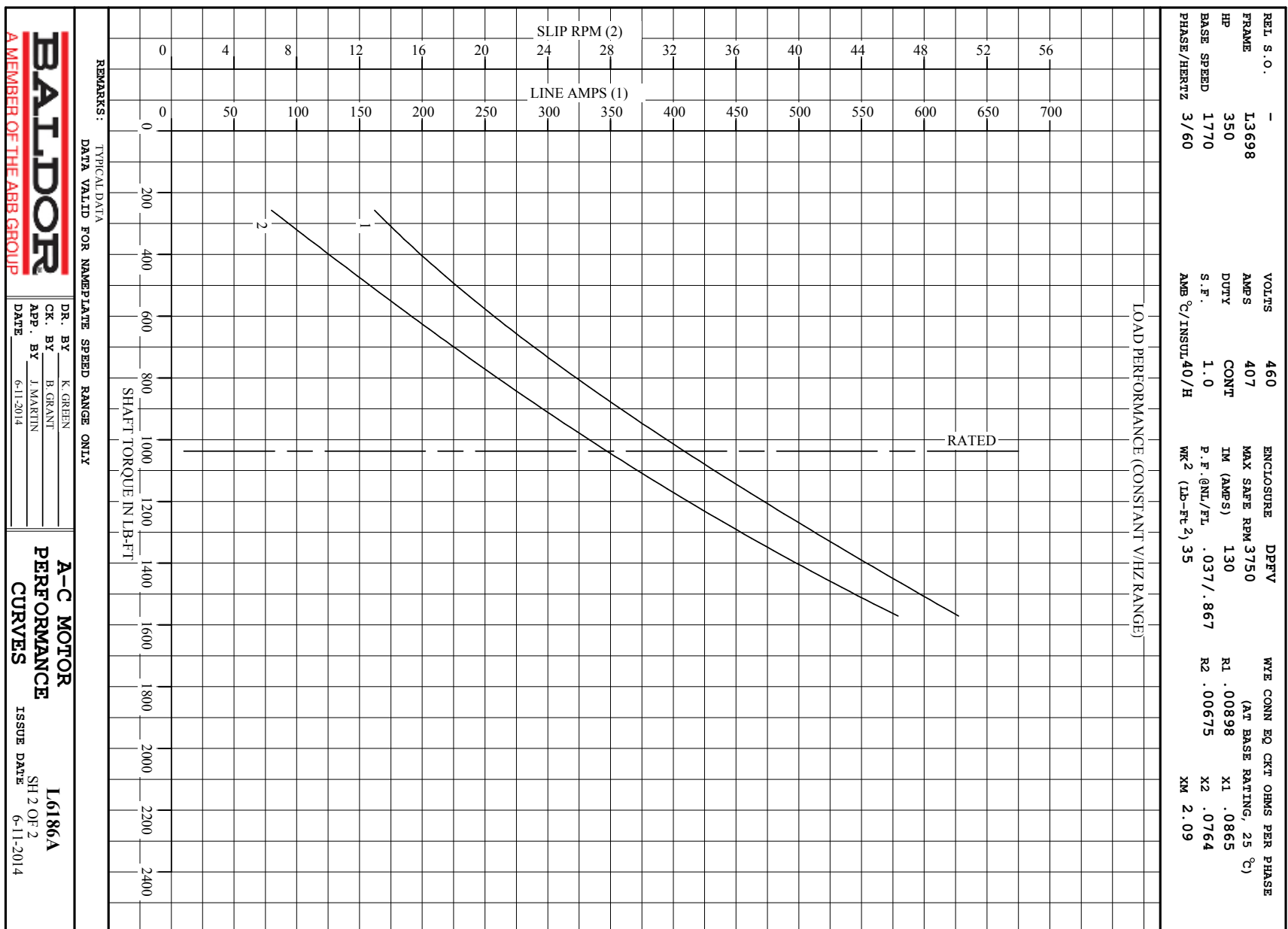
A MEMBER OF THE ABB GROUP

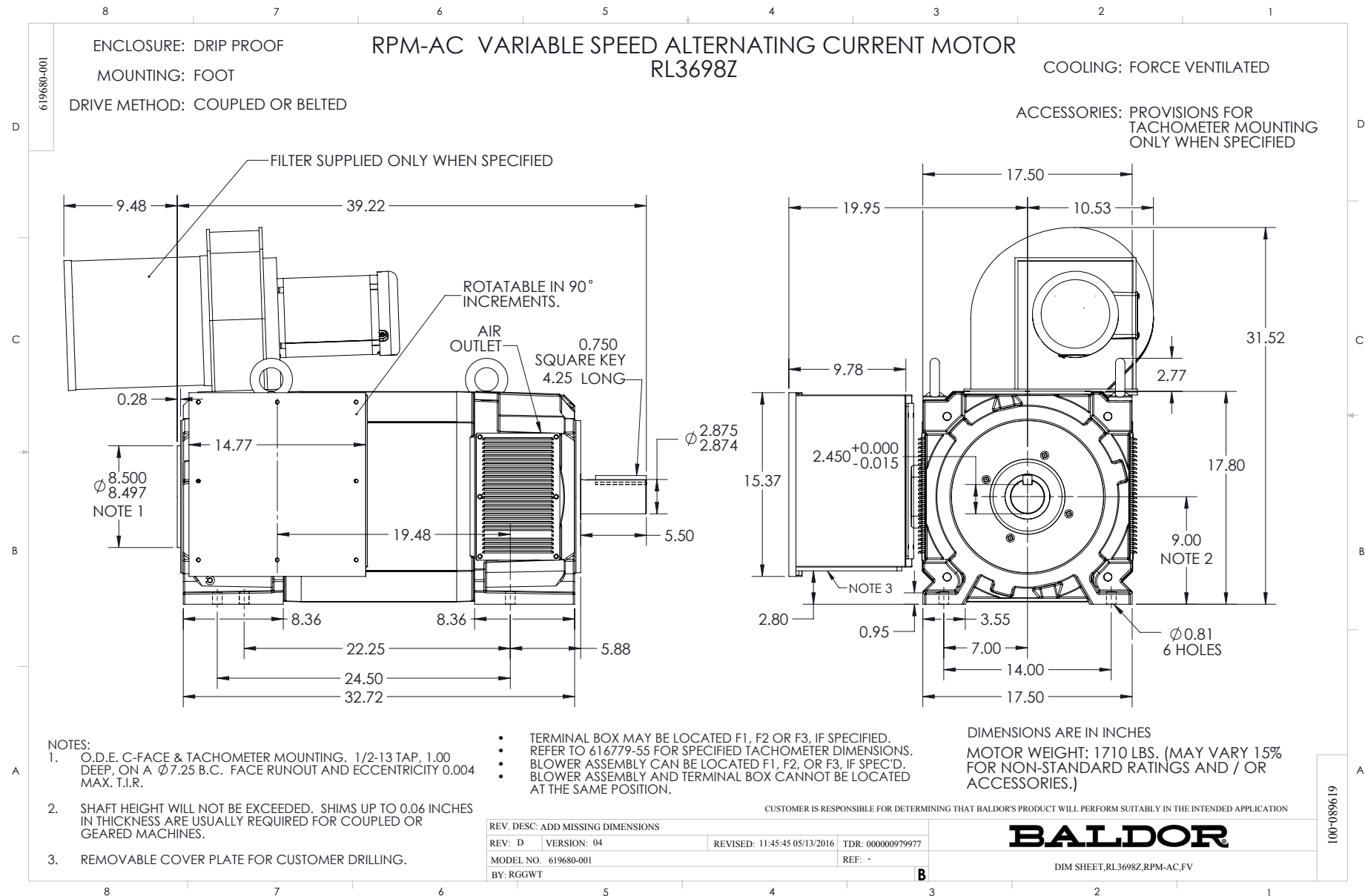
DR. BY K. GREEN  
CK. BY B. GRANT  
APP. BY J. MARTIN  
DATE 6-11-2014

A-C MOTOR  
PERFORMANCE  
DATA

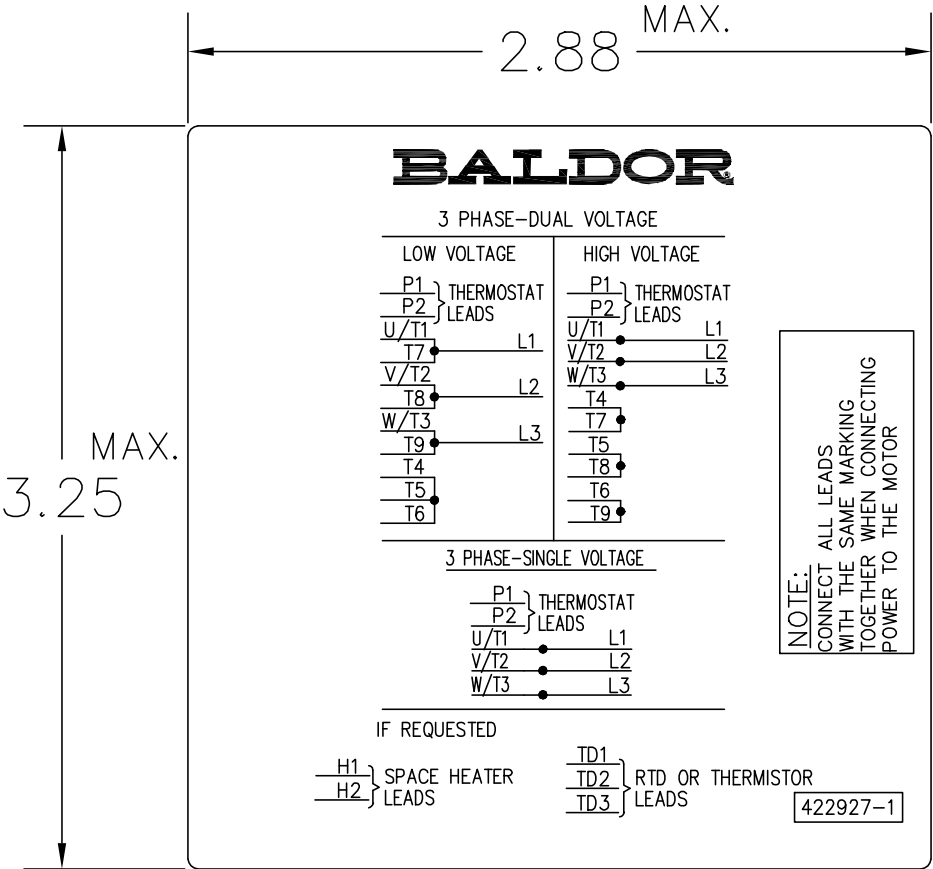
L6186A  
ISSUE DATE 6-11-201







422927-001



NOTE:  
DATA TO BE SIZED  
SO THAT IT FITS INTO  
MATERIAL DECAL  
DIMENSIONS. MAKE  
LETTERS & NUMBERS  
AS LARGE AS POSSIBLE.

MATERIAL: CERAMATIC DGF-P4  
PERMA GRIP ADHESIVE

ALL LETTERS, NUMBERS  
AND LINES TO BE BLACK  
ON WHITE BACKGROUND.

422927-001

|                                                       |                              |                   |
|-------------------------------------------------------|------------------------------|-------------------|
| REV. DESC: CHANGE BACKGROUND COLOR FROM GOLD TO WHITE |                              |                   |
| REV. LTR: B                                           | VERSION: 02                  | TDR: 000000788708 |
| FILE: \RGG\00000\203                                  | REVISED: 08:09:29 03/04/2013 |                   |
| MTL: -                                                | BY: RGGWT                    |                   |

**BALDOR**

EXTERNAL CONNECTION LABEL

SH 1 of 1