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# Customer information packet

## IDDRPM363504R2ED

350HP, 1750, 460V, RL3614, DPFV, F1

## Specifications

|                               |                         |
|-------------------------------|-------------------------|
| Enclosure                     | DPFV                    |
| Frame                         | RL3614Z                 |
| Frame Material                | Exposed Laminations     |
| Frequency                     | 60.00 Hz                |
| 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             | 398.000 A @ 460.0 V     |
| Duty Rating                   | CONT                    |
| Feedback Device               | NO FEEDBACK             |
| Frame Prefix                  | RL                      |
| Heater Indicator              | No Heater               |
| High Voltage Full Load Amps   | 398.0 a                 |
| Insulation Class              | H                       |
| IP Rating                     | NONE                    |
| Motor Standards               | NEMA                    |
| Mounting Arrangement          | F1                      |
| Overall Length                | 52.70 IN                |
| Product Family                | Extruder                |
| Pulley End Bearing Type       | Ball                    |
| Pulley Face Code              | Standard                |
| Service Factor                | 1.00                    |
| Shaft Diameter                | 2.874 IN                |
| Shaft Ground Indicator        | Shaft Grounding         |
| Shaft Rotation                | Reversible              |
| Speed                         | 1778 rpm                |
| Starting Method               | Full Voltage            |

## Part detail

|              |            |
|--------------|------------|
| Revision     | A          |
| Type         | AC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | L9457A     |
| Layout       | 619684-001 |
| Eff. date    | 03-23-2023 |
| CD Diagram   | 422927-001 |
| Poles        | 04         |
| Leads        |            |
| Proprietary  | False      |
| Created date | 03-01-2023 |

|                          |                    |
|--------------------------|--------------------|
| Thermal Device - Bearing | None               |
| Thermal Device - Winding | Thermostat And RTD |

## Nameplate

000613006ABS

|            | DUTY             | HP             | RPM  | AMPS        | VOLTS         | HZ    |           |     |
|------------|------------------|----------------|------|-------------|---------------|-------|-----------|-----|
|            | CONT             | 350            | 1777 |             | 398           | 460   | 60        |     |
|            | CONT             | 350            | 2221 |             | 391           | 460   | 75        |     |
|            | CONT             | 350            | 2960 |             | 401           | 460   | 100       |     |
|            |                  |                |      |             |               |       |           |     |
| CAT.NO.    | IDDRPM363504R2ED |                |      | SPEC. NO.   | R36-A000-0268 |       |           |     |
| SER.NO     |                  |                |      | FR          | RL3614Z       | INSUL | H         |     |
| PH.        | 3                | MAX SAFE SPEED |      | 3750        | AMB.          | 40    | MIN. AMB. | -25 |
| DESIGN NO. | L9457A           |                |      | TYPE        |               | ENCL. | DPG-FV    |     |
| S.F.       | 1.00             |                |      | D.E. BRG.   | 95BC02J30X    |       |           |     |
| ENCL MOD   |                  |                |      | O.D.E. BRG. | 6316/C3VL0241 |       |           |     |
|            | IDDRPM363504R2ED |                |      |             |               | IP23  |           |     |
|            |                  |                |      |             |               |       |           |     |

|            |        |                |      |                |           |                                                          |        |          |
|------------|--------|----------------|------|----------------|-----------|----------------------------------------------------------|--------|----------|
| S/O        | -      | VOLTS          | 460  | ENCLOSURE      | DPFV      | WYE CONN EQ CKT OHMS PER PHASE<br>(AT BASE RATING, 25°C) |        |          |
| FRAME      | RL3614 | AMPS           | 398  | MAX SAFE SPEED | 3750      |                                                          |        |          |
| HP         | 350    | DUTY           | CONT | IM (AMPS)      | 120       | R1                                                       | .00993 | X1 .0734 |
| BASE SPEED | 1777   | S.F.           | 1.0  | P.F. @NL / FL  | .039/.884 | R2                                                       | .00590 | X2 .0759 |
| PHASE/HZ   | 3/60   | AMB.°C / INSUL | 40/H | WK² (Lb-Ft²)   | 44        | XM 2.25                                                  |        |          |

RATED FULL LOAD DATA

|            | RPM  | HP  | TORQUE<br>Lb-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|------------|------|-----|-----------------|---------------|---------|------|
| BASE SPEED | 1776 | 350 | 1034            | 460           | 60      | 401  |
| MAX SPEED  | 2957 | 350 | 622             | 460           | 100     | 403  |
| MIN SPEED  | 0    | 0   | 1034            | 12.6          | .789    | 401  |

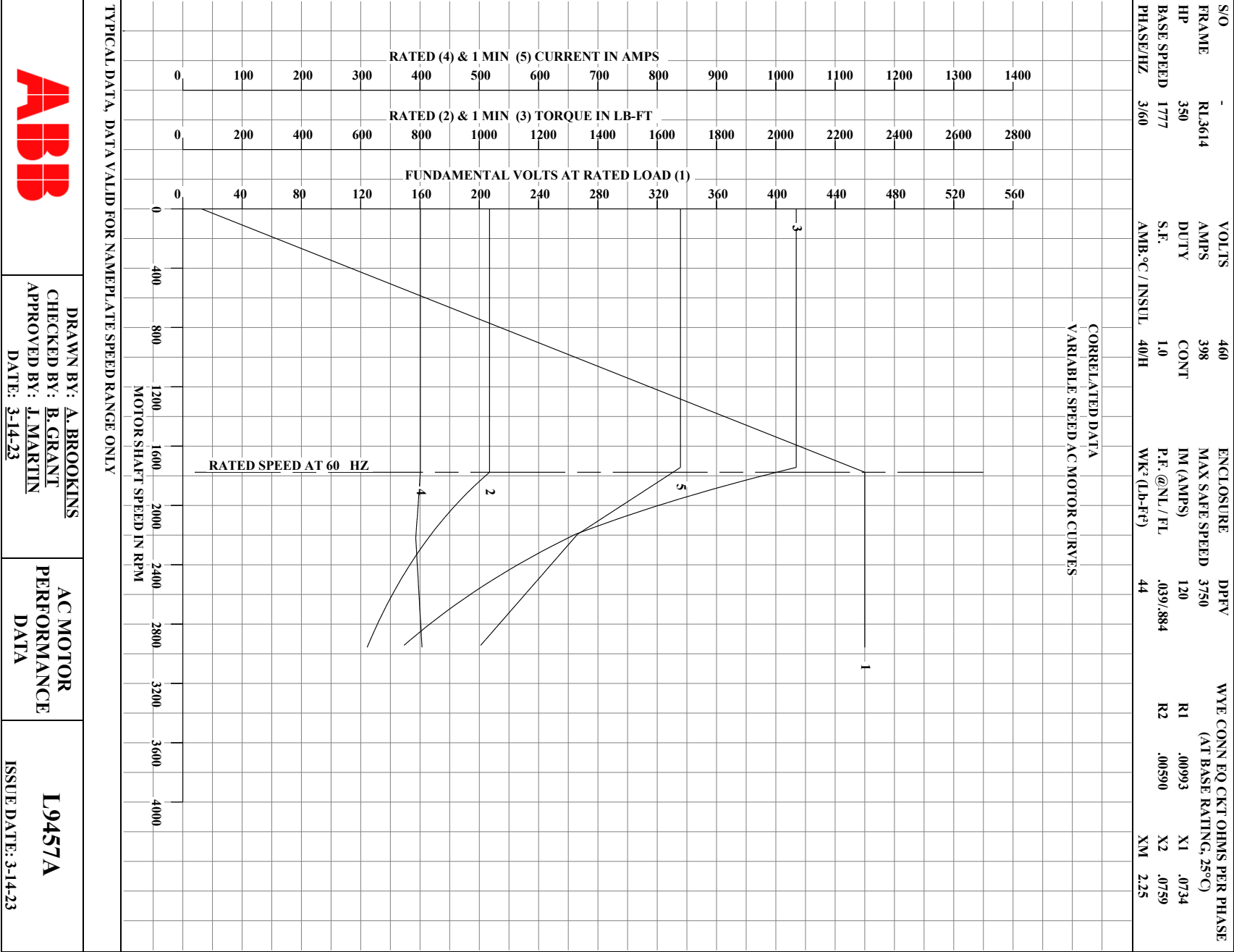
LOAD PERFORMANCE AT BASE SPEED

|           | RPM  | HP   | TORQUE<br>Lb-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|-----------|------|------|-----------------|---------------|---------|------|
| NO LOAD   | 1800 | 0    | 0               | 460           | 60      | 117  |
| 1/4       | 1795 | 87.8 | 257             | 460           | 60      | 153  |
| 1/2       | 1789 | 175  | 514             | 460           | 60      | 223  |
| 3/4       | 1783 | 262  | 773             | 460           | 60      | 308  |
| FULL LOAD | 1776 | 350  | 1034            | 460           | 60      | 401  |
| 0/L       | 1744 | 687  | 2069            | 460           | 60      | 839  |

REMARKS:  
TYPICAL DATA  
CORRELATED DATA

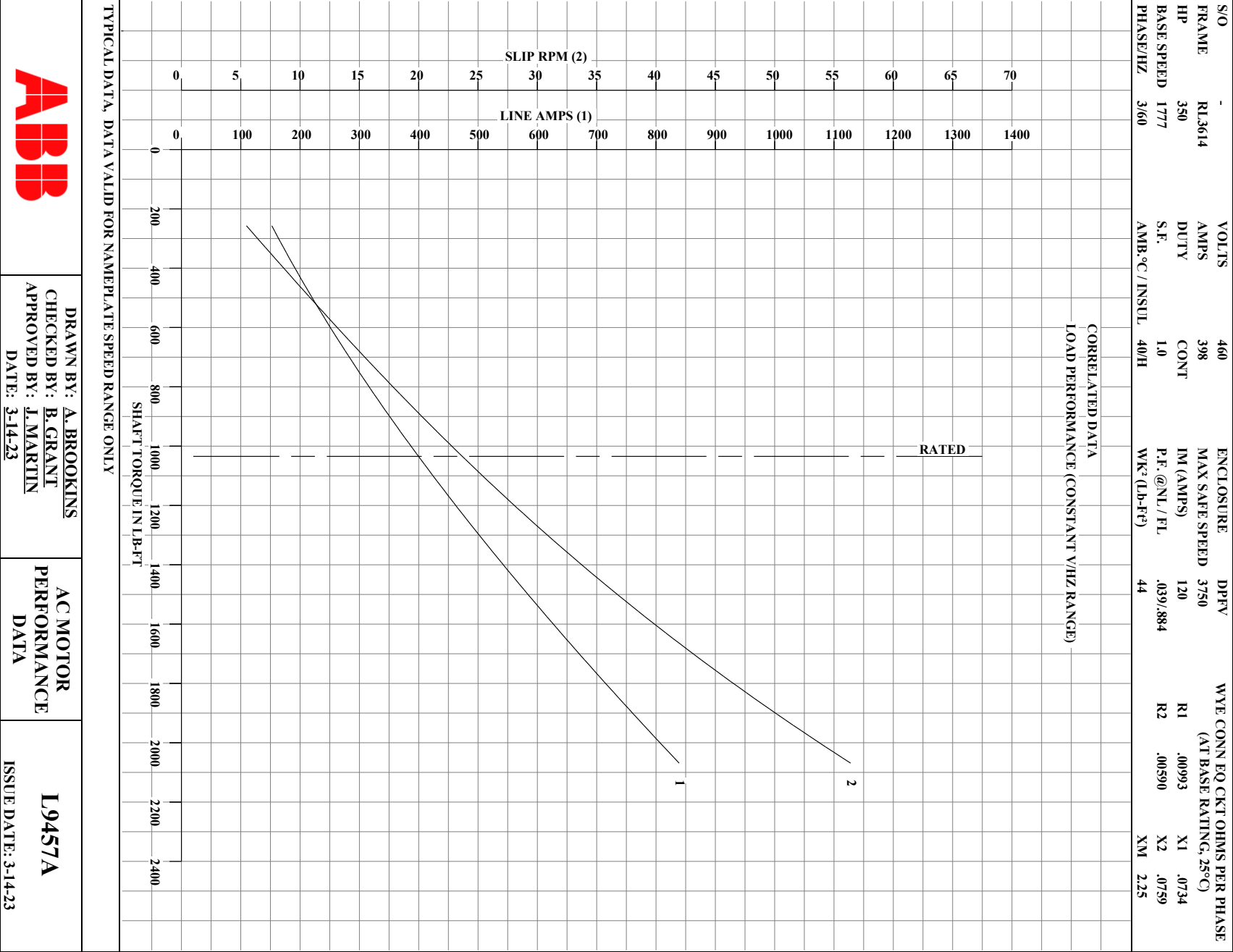
|                                                                                   |                                                                                          |                                 |                              |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
|  | DRAWN BY: A. BROOKINS<br>CHECKED BY: B. GRANT<br>APPROVED BY: J. MARTIN<br>DATE: 3-14-23 | AC MOTOR<br>PERFORMANCE<br>DATA | L9457A<br>ISSUE DATE 3-14-23 |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------|------------------------------|

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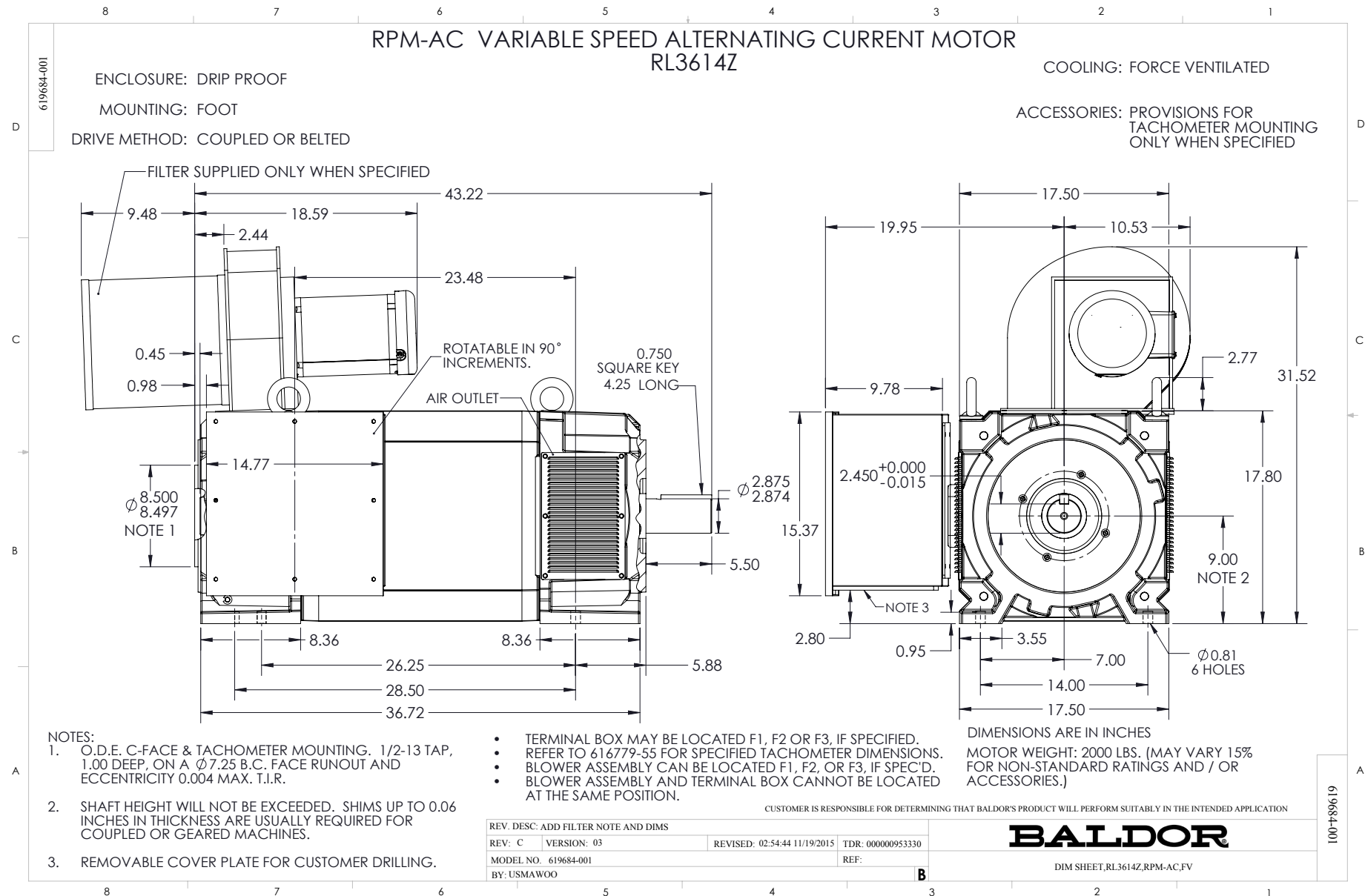


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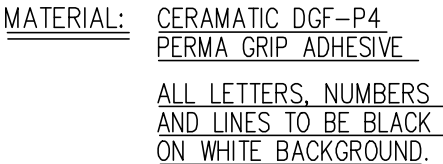
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NOTE:  
DATA TO BE SIZED  
SO THAT IT FITS INTO  
MATERIAL DECAL  
DIMENSIONS. MAKE  
LETTERS & NUMBERS  
AS LARGE AS POSSIBLE.



**BALDOR**  
EXTERNAL CONNECTION LABEL  
SH 1 of 1