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# Customer information packet

## IDDRPM449004R1ED

900HP, 1750, 460V, RL4461, DPFV, F1

## Specifications

|                               |                         |
|-------------------------------|-------------------------|
| Enclosure                     | DPFV                    |
| Frame                         | RL4461Z                 |
| Frame Material                | Exposed Laminations     |
| Frequency                     | 90.00 Hz                |
| Output @ Frequency            | 900.000 HP @ 90 HZ      |
| Phase                         | 3                       |
| Synchronous Speed @ Frequency | 1800 RPM @ 90 HZ        |
| Voltage @ Frequency           | 460.0 V @ 90 HZ         |
| Agency Approvals              | CCSA US                 |
| Auxiliary Box                 | NO AUXILLARY BOX        |
| Base Indicator                | Rigid                   |
| Bearing Grease Type           | Polyrex EM (-20F +300F) |
| Current @ Voltage             | 1101.000 A @ 460.0 V    |
| Duty Rating                   | CONT                    |
| Feedback Device               | NO FEEDBACK             |
| Frame Prefix                  | RL                      |
| Heater Indicator              | No Heater               |
| High Voltage Full Load Amps   | 1101.0 a                |
| Insulation Class              | H                       |
| IP Rating                     | NONE                    |
| Motor Standards               | NEMA                    |
| Mounting Arrangement          | F1                      |
| Overall Length                | 64.64 IN                |
| Product Family                | Extruder                |
| Pulley End Bearing Type       | Ball                    |
| Pulley Face Code              | Standard                |
| Service Factor                | 1.00                    |
| Shaft Diameter                | 4.250 IN                |
| Shaft Ground Indicator        | Shaft Grounding         |
| Shaft Rotation                | Reversible              |
| Speed                         | 1787 rpm                |
| Starting Method               | Full Voltage            |

## Part detail

|              |            |
|--------------|------------|
| Revision     | A          |
| Type         | AC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | L9490A     |
| Layout       | 617602-001 |
| Eff. date    | 03-23-2023 |
| CD Diagram   | 422927-001 |
| Poles        | 06         |
| Leads        |            |
| Proprietary  | False      |
| Created date | 03-07-2023 |

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

## Nameplate

| 000613006ABS |                  |                |             |               |               |        |               |
|--------------|------------------|----------------|-------------|---------------|---------------|--------|---------------|
|              | DUTY             | HP             | RPM         | AMPS          | VOLTS         | HZ     |               |
|              | CONT             | 900            | 1787        | 1101          | 460           | 90     |               |
|              | CONT             | 900            | 2300        | 1058          | 460           | 115.8  |               |
|              |                  |                |             |               |               |        |               |
|              |                  |                |             |               |               |        |               |
| CAT.NO.      | IDDRPM449004R1ED |                | SPEC. NO.   |               | R44-A000-0229 |        |               |
| SER.NO       |                  |                | FR          | RL4461Z       | INSUL         | H      |               |
| PH.          | 3                | MAX SAFE SPEED |             | 2700          | AMB.          | 40     | MIN. AMB. -25 |
| DESIGN NO.   | L9490A           |                | TYPE        |               | ENCL.         | DPG-FV |               |
| S.F.         | 1.00             |                | D.E. BRG.   | 110BC02J30X   |               |        |               |
| ENCL MOD     |                  |                | O.D.E. BRG. | 6222/C3VL0241 |               |        |               |
|              | IDDRPM449004R1ED |                |             |               | IP23          |        |               |
|              |                  |                |             |               |               |        |               |

|            |        |                |      |                |           |                                                          |        |    |       |
|------------|--------|----------------|------|----------------|-----------|----------------------------------------------------------|--------|----|-------|
| S/O        | -      | VOLTS          | 460  | ENCLOSURE      | DPFV      | WYE CONN EQ CKT OHMS PER PHASE<br>(AT BASE RATING, 25°C) |        |    |       |
| FRAME      | RL4461 | AMPS           | 1101 | MAX SAFE SPEED | 2700      |                                                          |        |    |       |
| HP         | 900    | DUTY           | CONT | IM (AMPS)      | 454       | R1                                                       | .00163 | X1 | .0257 |
| BASE SPEED | 1787   | S.F.           | 1.0  | P.F. @NL / FL  | .028/.808 | R2                                                       | .00130 | X2 | .0386 |
| PHASE/HZ   | 3/90   | AMB.°C / INSUL | 40/H | WK² (Lb-Ft²)   | 189       |                                                          |        | X4 | .581  |

RATED FULL LOAD DATA

|            | RPM  | HP  | TORQUE<br>Lb-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|------------|------|-----|-----------------|---------------|---------|------|
| BASE SPEED | 1787 | 900 | 2645            | 460           | 90      | 1101 |
| MAX SPEED  | 2299 | 901 | 2057            | 460           | 115.8   | 1058 |
| MIN SPEED  | 0    | 0   | 2645            | 5.26          | .6490   | 1101 |

LOAD PERFORMANCE AT BASE SPEED

|           | RPM  | HP   | TORQUE<br>Lb-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|-----------|------|------|-----------------|---------------|---------|------|
| NO LOAD   | 1800 | 0    | 0               | 460           | 90      | 454  |
| 1/4       | 1797 | 225  | 658             | 460           | 90      | 521  |
| 1/2       | 1794 | 451  | 1319            | 460           | 90      | 679  |
| 3/4       | 1791 | 675  | 1979            | 460           | 90      | 877  |
| FULL LOAD | 1787 | 900  | 2645            | 460           | 90      | 1101 |
| 0/L       | 1770 | 1784 | 5291            | 460           | 90      | 2156 |

REMARKS:

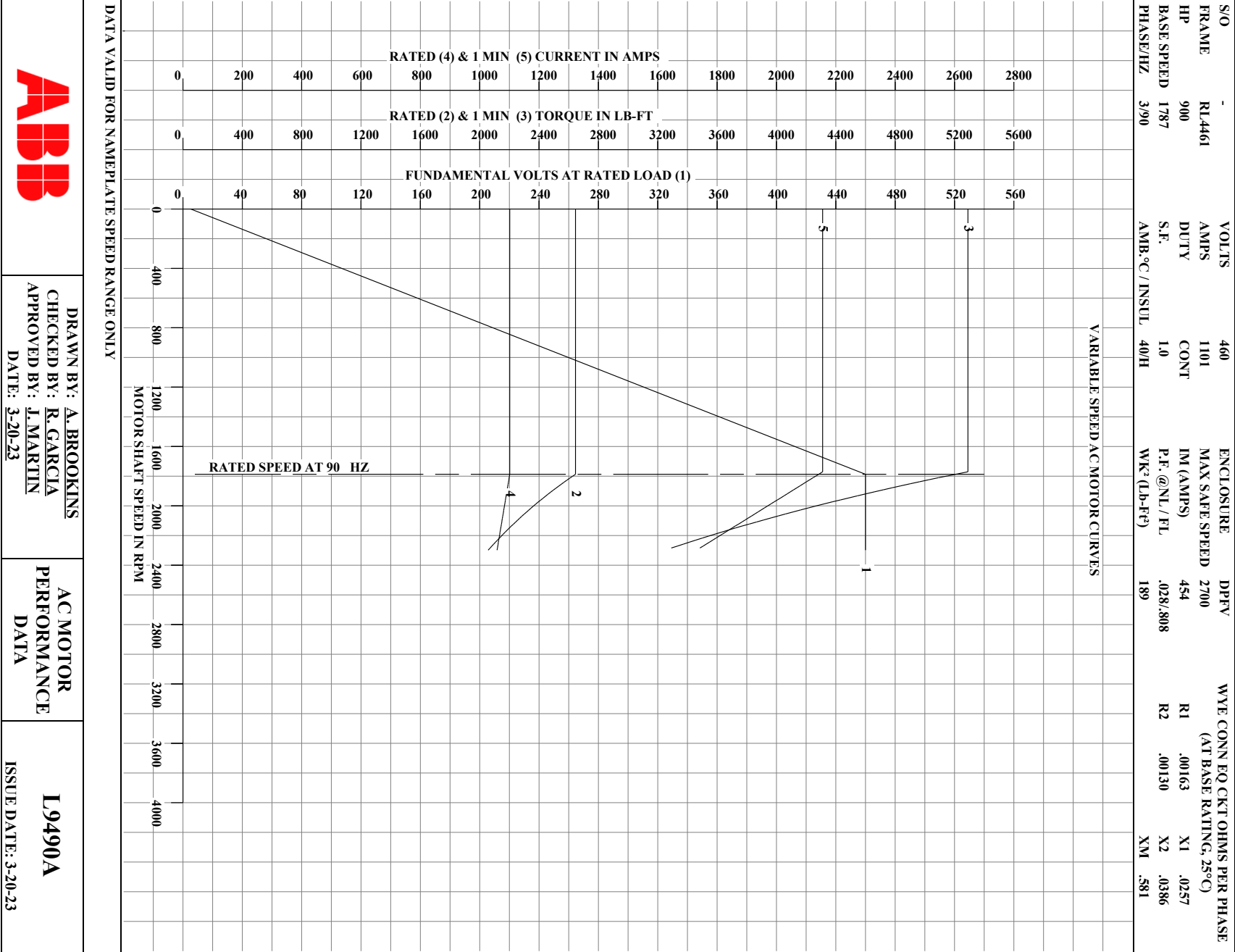
|                                                                                   |                                                                                           |                                 |                              |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
|  | DRAWN BY: A. BROOKINS<br>CHECKED BY: R. GARCIA<br>APPROVED BY: J. MARTIN<br>DATE: 3-20-23 | AC MOTOR<br>PERFORMANCE<br>DATA | L9490A<br>ISSUE DATE 3-20-23 |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------|------------------------------|

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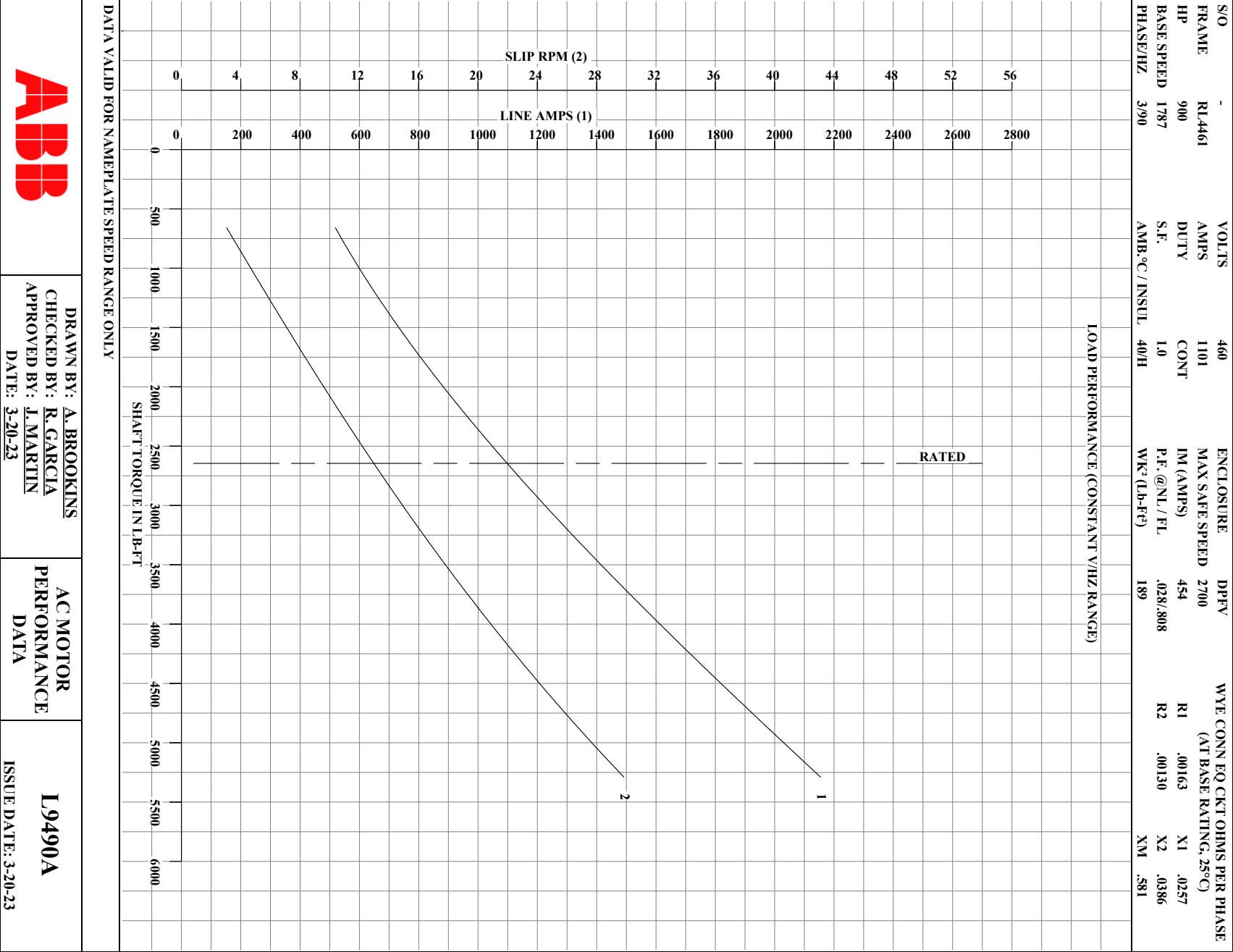


DRAWN BY: A. BROOKINS  
CHECKED BY: R. GARCIA  
APPROVED BY: J. MARTIN  
DATE: 3-20-23

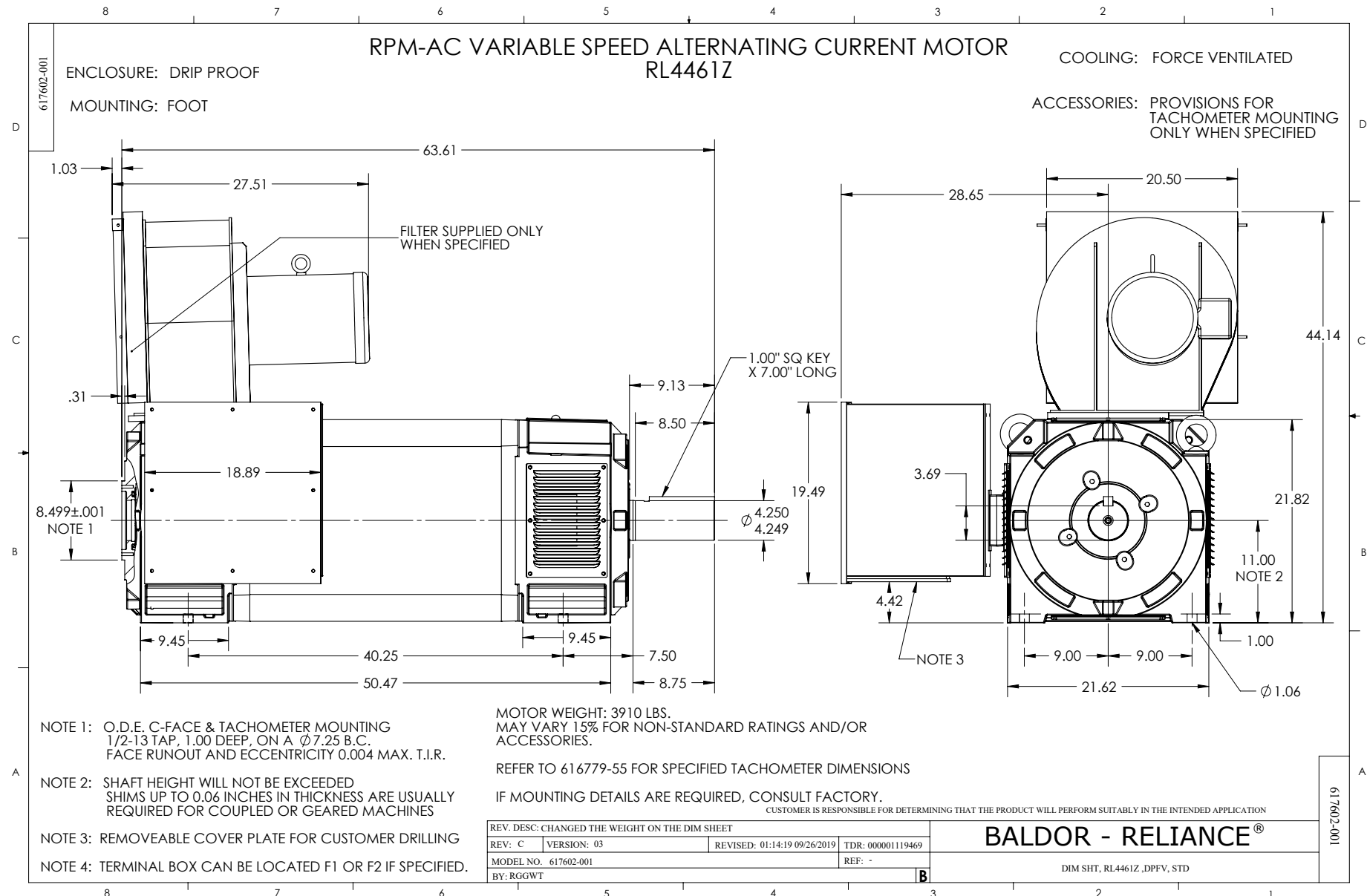
AC MOTOR  
PERFORMANCE  
DATA

L9490A  
ISSUE DATE: 3-20-23

USANBR028

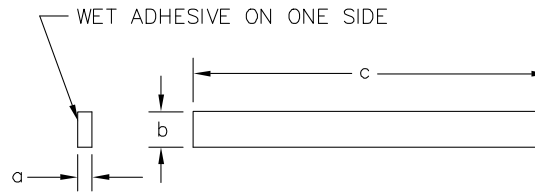


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065564-004



| SYM | MAKE FROM<br>065564-004 | a   | b   | c               | REMARKS                     |
|-----|-------------------------|-----|-----|-----------------|-----------------------------|
| A   | X                       | 1/8 | 5/8 | 24*             | TERMBX & CVR<br>180AT-250AT |
| B   | X                       | 1/8 | 5/8 | 37 1/2*         | TERMBX & CVR<br>280AT-320AT |
| C   | Y                       | 1/4 | 5/8 | 44 1/2 $\Delta$ | FILTER TO HOUSING<br>GASKET |
| D   | X                       | 1/8 | 5/8 | 170"            | TEAO HEAT EXCH.             |
| E   | Y                       | 1/4 | 5/8 | 72" $\Delta$    | TERMBX & CVR                |

| SYM | MAT'L SPEC | a   | b   | c                                    |
|-----|------------|-----|-----|--------------------------------------|
| X   | 46024-XV   | 1/8 | 5/8 | * 50' ROLL; WET ADHESIVE ON ONE SIDE |
| Y   | 46024-XV   | 1/4 | 5/8 | * 50' ROLL; WET ADHESIVE ON ONE SIDE |

$\Delta$  RELIANCE WILL CUT AND MOUNT ON FILTER HOUSING PER ASSEMBLY DRAWING 603989-2.

\* PROD. NOTE: WHEN ORDERING THRU PURCHASING ORDER AS 50 FT. ROLLS, WET ADHESIVE ON ONE SIDE. RELIANCE WILL CUT AND MOUNT ON COVER. PER INSTRUCTIONS ON COVER DRAWINGS.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

|                                              |                              |                   |
|----------------------------------------------|------------------------------|-------------------|
| REV. DESC: CHANGE DESCRIPTION ON TITLE BLOCK |                              |                   |
| REV. LTR: C                                  | VERSION: 03                  | TDR: 000000571980 |
| FILE: \RGG\00000\220                         | REVISED: 10:54:04 12/16/2010 | BY: RGGWT         |
| MTL: -                                       |                              |                   |

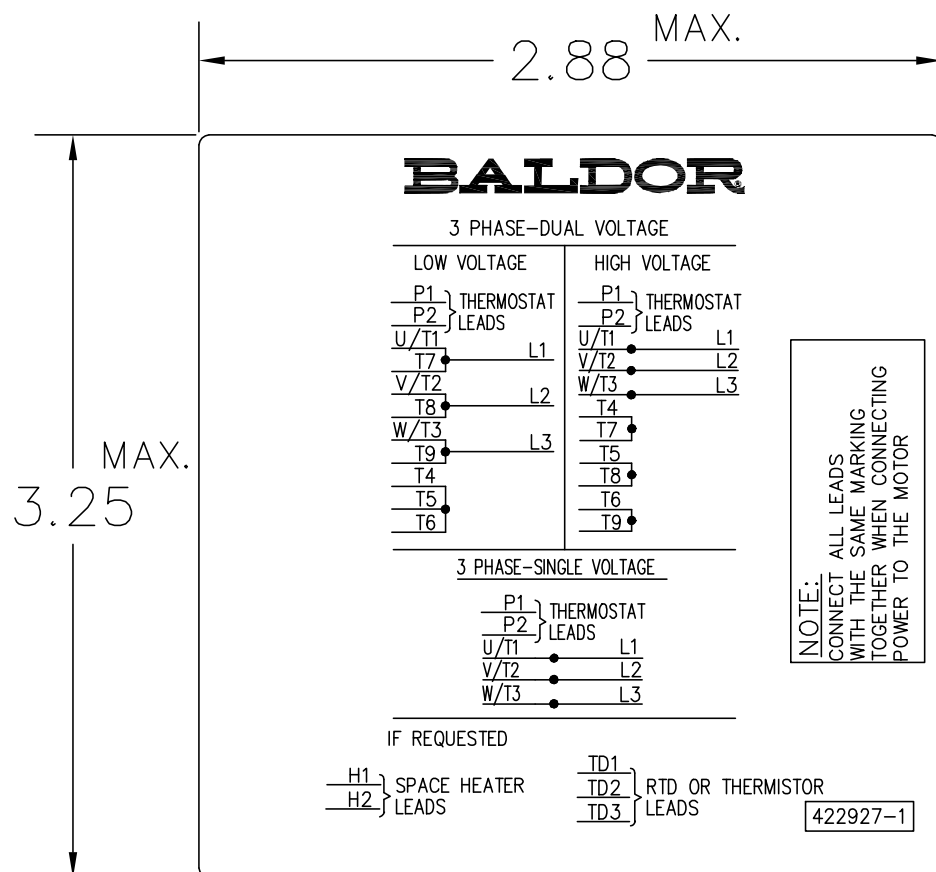
**BALDOR**

GASKET,STRIP,CLOSED CELL NEOPRENE

SH 1 of 1

065564-004

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