

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 5013LHFS18584
Catalog No: 5013LHFS18584
425,1000,TEBC,5013L,3/50/690

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The logo for Regal Rexnord, featuring a stylized 'R' icon followed by the text 'RegalRexnord'.

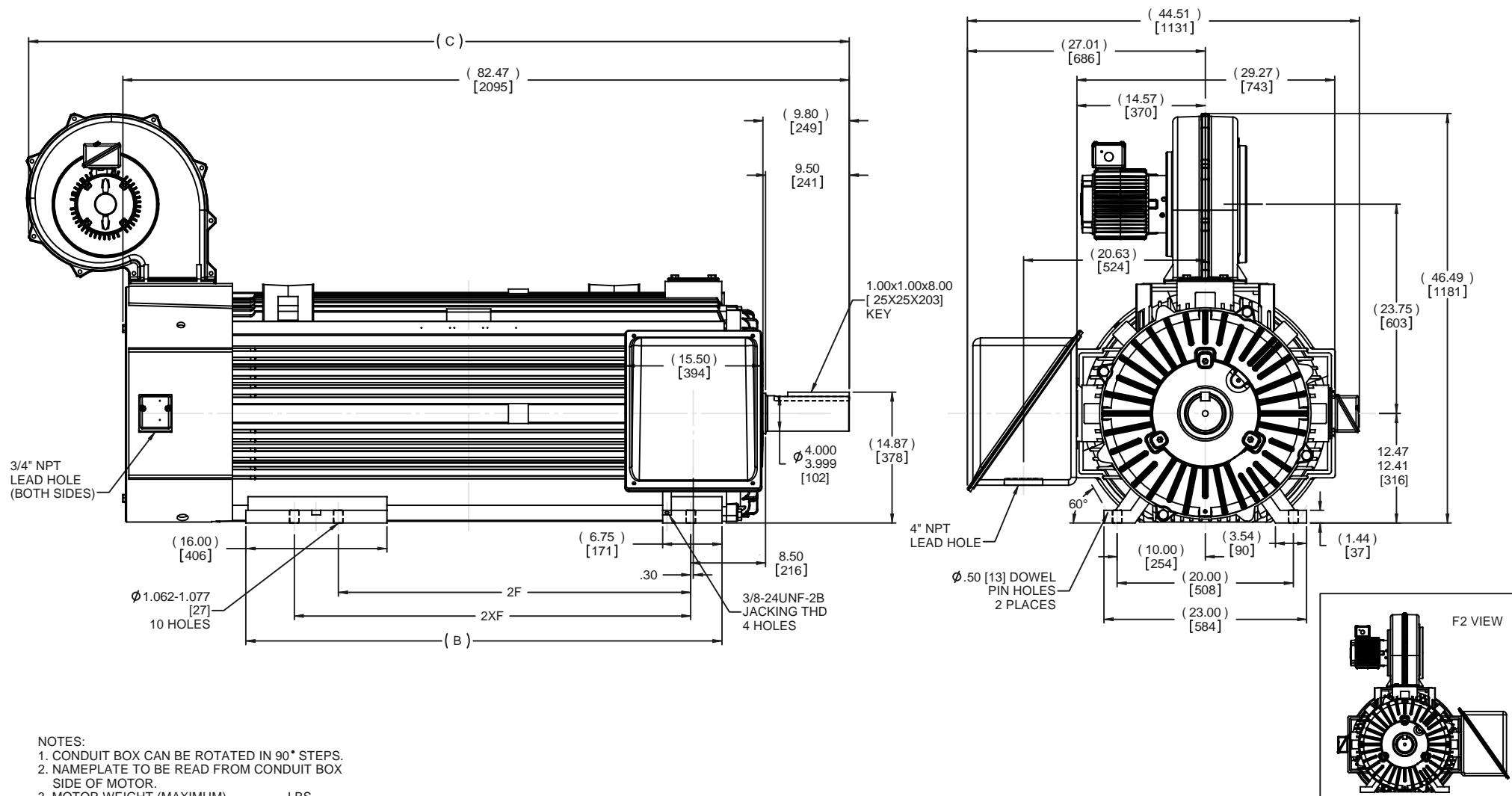
Nameplate Specifications

| | | | |
|------------------------|-------------------|----------------------------|--------------------|
| Phase | 3 | Output HP | 425 Hp |
| Output KW | 320.0 kW | Voltage | 690 V |
| Speed | 992 rpm | Service Factor | 1 |
| Frame | 5013L | Enclosure | TEBC-RADIAL |
| Thermal Protection | Thermostat | Efficiency | 96.2 % |
| Ambient Temperature | 40 °C | Frequency | 50 Hz |
| Current | 345.0 A | Power Factor | 80 |
| Duty | Continuous | Insulation Class | H |
| Design Code | INV | KVA Code | J |
| Drive End Bearing Size | 6324 | Opp Drive End Bearing Size | 6318 |
| UL | No | CSA | Y |
| CE | N | IP Code | 54 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|------------------------------------|-----------------------|----------------------|
| Electrical Type | Squirrel Cage Inverter Duty | Starting Method | Inverter Only |
| Poles | 6 | Rotation | Reversible |
| Resistance Main | .0155 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | L | Assembly/Box Mounting | F1/F2 CAPABLE |
| Outline Drawing | B-SS553559-5850 | Connection Drawing | A-EE7300LD |

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- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
 3. MOTOR WEIGHT (MAXIMUM) = LBS
 4. DIMENSIONS IN [] ARE IN MILLIMETERS.

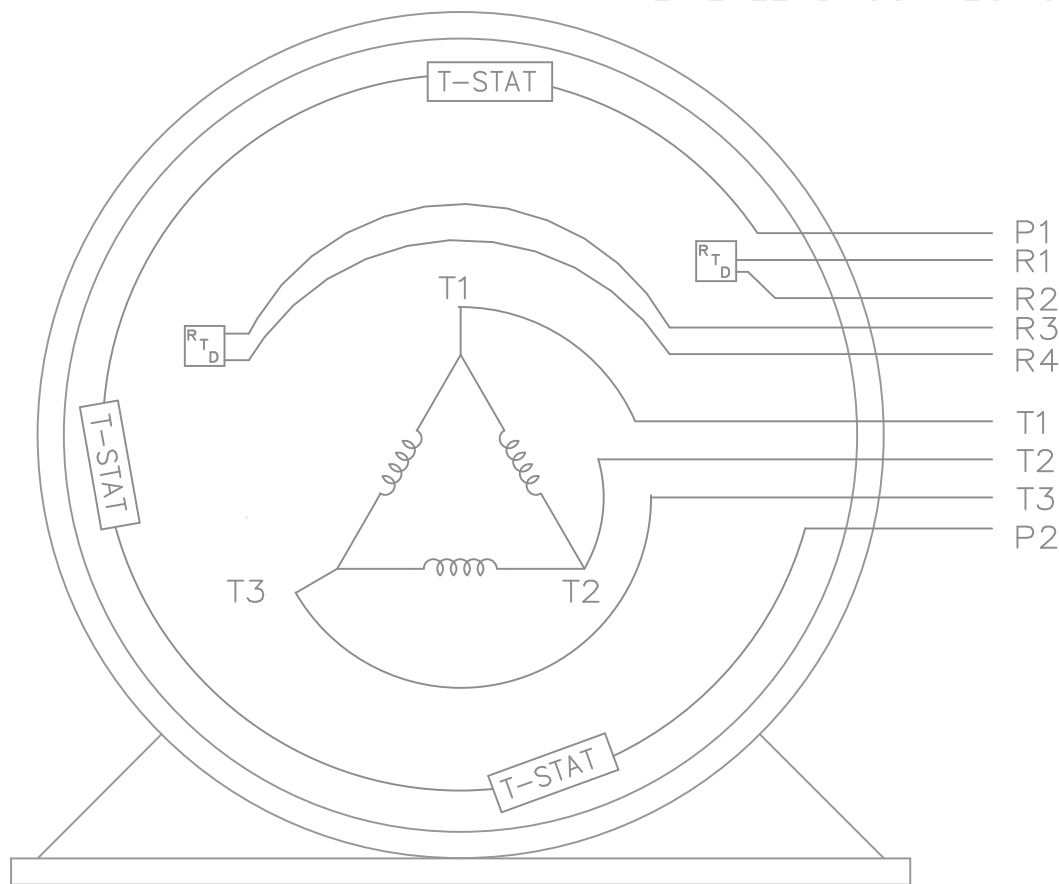
| DASH | FRAME | B | C | 2F | 2XF |
|------|-------|-----------------|-----------------|-----------------|-----------------|
| 5850 | 5012L | 54.05 [1373] | 93.15 [2366] | 40.00 [1016] | |
| 5850 | 5013L | 54.05 [1373] | 93.15 [2366] | | 45.00 [1143] |

| | | | | | | | |
|---|---|------------------------------|------------|-------------------------------|------------|----------------|------------|
| | | TOLERANCES UNLESS SPECIFIED: | | | DRAWN | CTO 03-18-200 | |
| | | DEC | INCHES | | CHK | MH 04-17-2009 | |
| | | x | ±.1 | | APPR | MJS 04-17-2009 | |
| | | .xx | ±.03 | TITLE | | OUTLINE - TEFC | |
| | | .xxx | ±.005 | 5012-5013L FR. - F1/F2/F3 MT. | | SCALE | 1:10.5 |
| 1 | CORRECTED B DIM. & REMOVED BS COL. FROM TABLE | JJB | 04/02/2009 | xxxxx | ±.0005 | MATL | REF |
| | | | | CHK | ANG | ±7'30" | FINISH |
| | | | | RFP | 04-17-2009 | PREV | |
| | | | | NETWORK FILE NAME | SS553559 | SIZE | DRAWING NO |
| | | | | | | B | SS553559 |
| | | | | | | | REV |
| | | | | | | | 1 |

THREE PHASE – SINGLE VOLTAGE
MOTOR OR INDUCTION GENERATOR

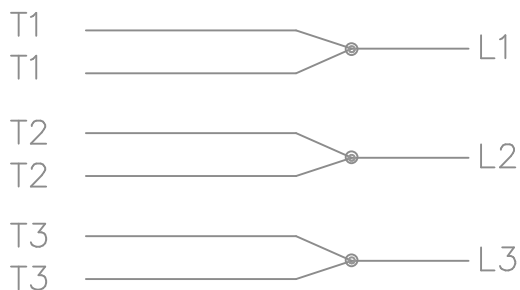
- 2 RTD'S
- 1 MARKED R1-R2,
- 1 MARKED R3-R4

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.



VIEW OF TERMINAL END

IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A-9806 DECAL

| | | | | | | | | | | | | |
|--|----------|-----------|-----|--------------------------------|------------|-------------------|----------------------|------|-------------|------|----|------|
| | | | | TOLERANCES UNLESS SPECIFIED | | | DRAWN RJW 11-06-2006 | | | | | |
| | | | | DEC. | INCHES | | CHK ML 11-06-2006 | | | | | |
| | | | | .X | ±.1 | | APPD EAB 11-06-2006 | | | | | |
| | | | | .XX | ±.02 | | SCALE 1=1 | | | | | |
| | | | | .XXX | ±.005 | | REF | | | | | |
| | | | | .XXXX | ±.0005 | FMF MU76188 | | | | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±7'30" | PREV | | | | | | |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT | | | | RFP | 11-06-2006 | CAD FILE EE7300LD | | SIZE | DRAWING NO. | PAGE | OF | REV. |
| | | | | DIST | WA | | | A | EE7300LD | | | |