

# PRODUCT INFORMATION PACKET

Model No: 326TTGP4030

Catalog No: U032

Explosion Proof Motor, 50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 326T Frame, EPFC

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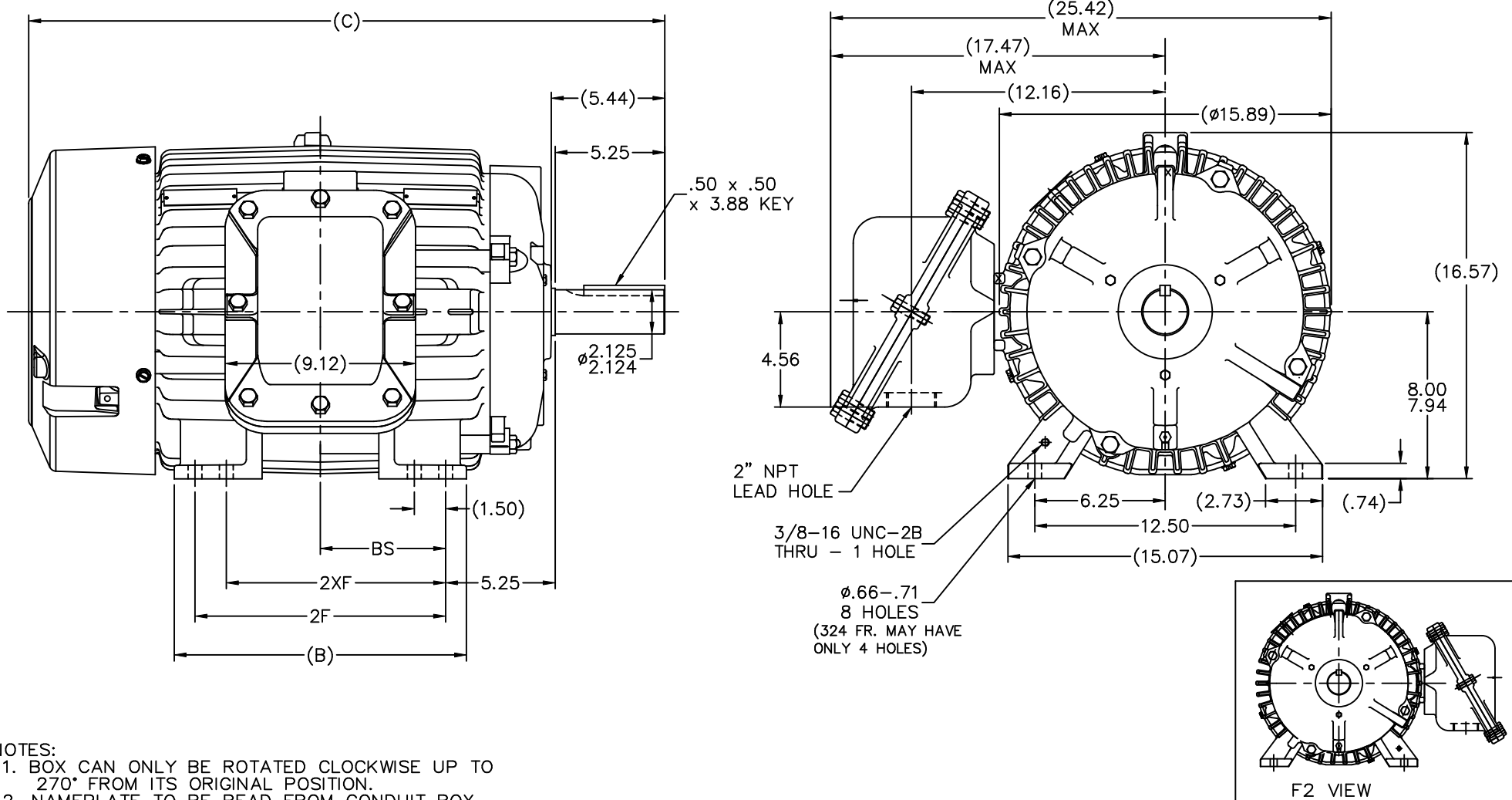
## Nameplate Specifications

|                        |                                        |                            |                            |
|------------------------|----------------------------------------|----------------------------|----------------------------|
| Output HP              | 50 Hp                                  | Output KW                  | 37.0 kW                    |
| Frequency              | 60 Hz                                  | Voltage                    | 575 V                      |
| Current                | 49.0 A                                 | Speed                      | 1765 rpm                   |
| Service Factor         | 1                                      | Phase                      | 3                          |
| Efficiency             | 93 %                                   | Power Factor               | 82                         |
| Duty                   | Continuous                             | Insulation Class           | F                          |
| Design Code            | B                                      | KVA Code                   | G                          |
| Frame                  | 326T                                   | Enclosure                  | Explosion Proof Fan cooled |
| Thermal Protection     | Thermostat                             | Ambient Temperature        | 40 °C                      |
| Drive End Bearing Size | 6312                                   | Opp Drive End Bearing Size | 6311                       |
| UL                     | UL Listed And CSA Certified            | CSA                        | Y                          |
| CE                     | N                                      | IP Code                    | 54                         |
| Hazardous Location     | EXP PROOF CL I GR C&D CL II GR F&G T3B | Number of Speeds           | 1                          |

## Technical Specifications

|                       |                              |                       |                  |
|-----------------------|------------------------------|-----------------------|------------------|
| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method       | Line Or Inverter |
| Poles                 | 4                            | Rotation              | Reversible       |
| Resistance Main       | .122 Ohms                    | Mounting              | Rigid Base       |
| Motor Orientation     | Horizontal                   | Drive End Bearing     | Ball             |
| Opp Drive End Bearing | Ball                         | Frame Material        | Cast Iron        |
| Shaft Type            | T                            | Overall Length        | 30.47 in         |
| Frame Length          | 16.25 in                     | Shaft Diameter        | 2.125 in         |
| Shaft Extension       | 5.44 in                      | Assembly/Box Mounting | F1 ONLY          |
| Inverter Load         | CONSTANT 2:1                 |                       |                  |
| Connection Drawing    | A-EE7300T                    | Outline Drawing       | B-SS311001-1625  |





## NOTES:

- BOX CAN ONLY BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION.
- NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

| DASH | FRAME    | B     | C     | 2F    | 2XF   | BS   |
|------|----------|-------|-------|-------|-------|------|
| 1475 | 324T     | 14.00 | 28.97 | 10.50 |       | 5.25 |
| 1625 | 324/326T | 14.00 | 30.47 | 12.00 | 10.50 | 6.00 |

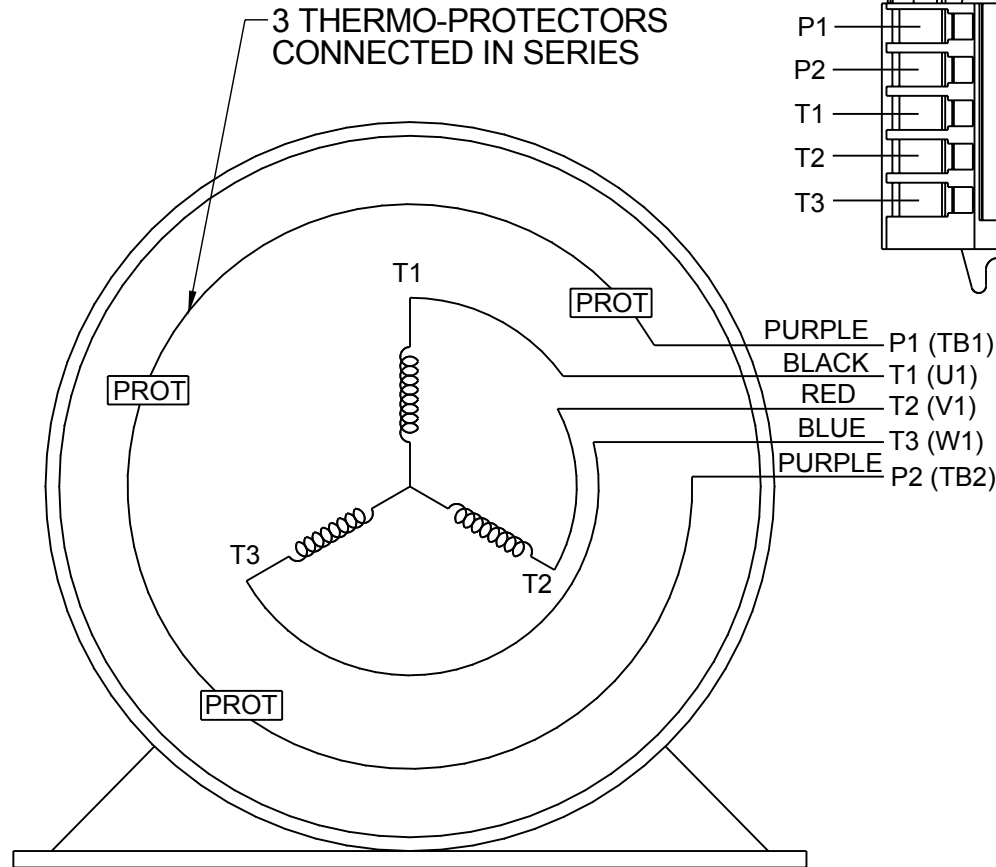
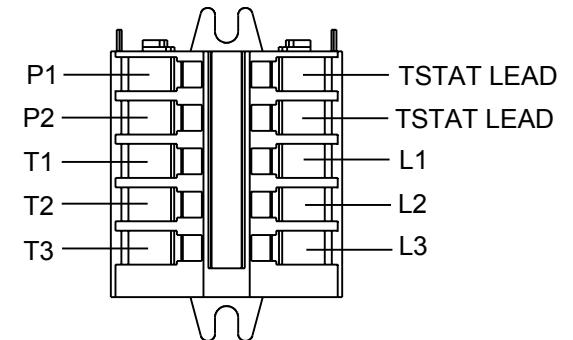
|                                                                                                                                                                                                                                  |                                          |                |       | TOLERANCES UNLESS SPECIFIED |        | MARATHON ELECTRIC | DRAWN DA 03-25-1999 |             |      |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------|-------|-----------------------------|--------|-------------------|---------------------|-------------|------|----|
| NO.                                                                                                                                                                                                                              | REVISION                                 | BY & DATE      | CHK   | ANG                         | FINISH |                   | CHK                 | ML          | APPD | SW |
| 7                                                                                                                                                                                                                                | REDRAWN IN AUTOCAD                       | TAT 06-28-2004 | ML    | .X                          | ±.1    |                   |                     |             |      |    |
| 6                                                                                                                                                                                                                                | FRAME FOR 1625 DASH WAS 326T FR. MU38599 | TJB 08-23-2001 | .XX   | ±.03                        |        |                   |                     |             |      |    |
| 5                                                                                                                                                                                                                                | DASH 1475 'B' WAS 12.50 CN 29200-1468    | MSG 02-21-2001 | .XXX  | ±.005                       |        |                   |                     |             |      |    |
| 4                                                                                                                                                                                                                                | ADDED F2 VIEW CN 29200-383               | TJB 04-28-2000 | .XXXX | ±.0005                      |        |                   |                     |             |      |    |
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| CAD FILE ss311001                                                                                                                                                                                                                |                                          |                |       |                             |        |                   | SIZE                | DRAWING NO. | PAGE | OF |
| DIST LB                                                                                                                                                                                                                          |                                          |                |       |                             |        |                   | B                   | SS311001    | 7    |    |

THREE PHASE - SINGLE VOLTAGE  
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS

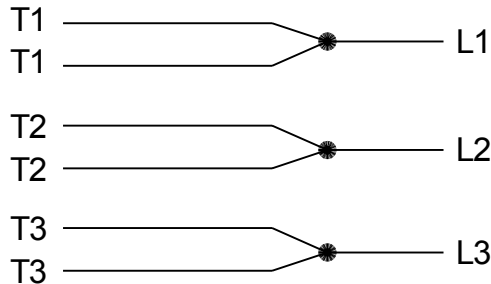
NOTE FOR FACTORY USE ONLY:  
TO SURGE TEST:  
FOR 3 LEAD COMMON CONNECT:  
CONNECT P1 TO T1 THEN P2 TO L1  
FOR 6 LEAD COMMON CONNECT:  
CONNECT P1 TO BOTH T1  
THEN P2 TO L1

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

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



A-9806 DECAL

T2BM  
T6AW  
T6AL  
T6Z  
T4EG  
T4BF  
T8A  
T6H  
T6A  
T4AX  
T4A  
T2A  
T2F

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|
| DRAWING REVISION<br>AB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | REVISION BY<br>AJW   | DATE<br>07-17-2015 |
| ECO<br>ECO-0081632                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | APPROVED BY<br>T.VUE | DATE<br>07-17-2015 |
| ECO DESCRIPTION<br>REV'D IEC MARKINGS PER IEC-60034-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                    |
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|                   |                           |
|-------------------|---------------------------|
| DRAWN BY<br>LZ    | DATE<br>01-04-1994        |
| APPROVED BY<br>GK | DATE<br>01-20-1994        |
| REFERENCE         | THIRD ANGLE<br>PROJECTION |

|                                                                                                                  |                                  |                 |
|------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------|
|  Regal Beloit America, Inc. |                                  |                 |
| DESCRIPTION<br><b>CONN DIAGRAM-EXTERNAL</b><br>3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR                               |                                  |                 |
| MATERIAL                                                                                                         | PROCESS/FINISH                   |                 |
| SIZE<br><b>A</b>                                                                                                 | DRAWING NUMBER<br><b>EE7300T</b> | SHEET<br>1 OF 1 |