

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 324TTGP1076

Catalog No: U958

Other Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM,
324T Frame, EPFC



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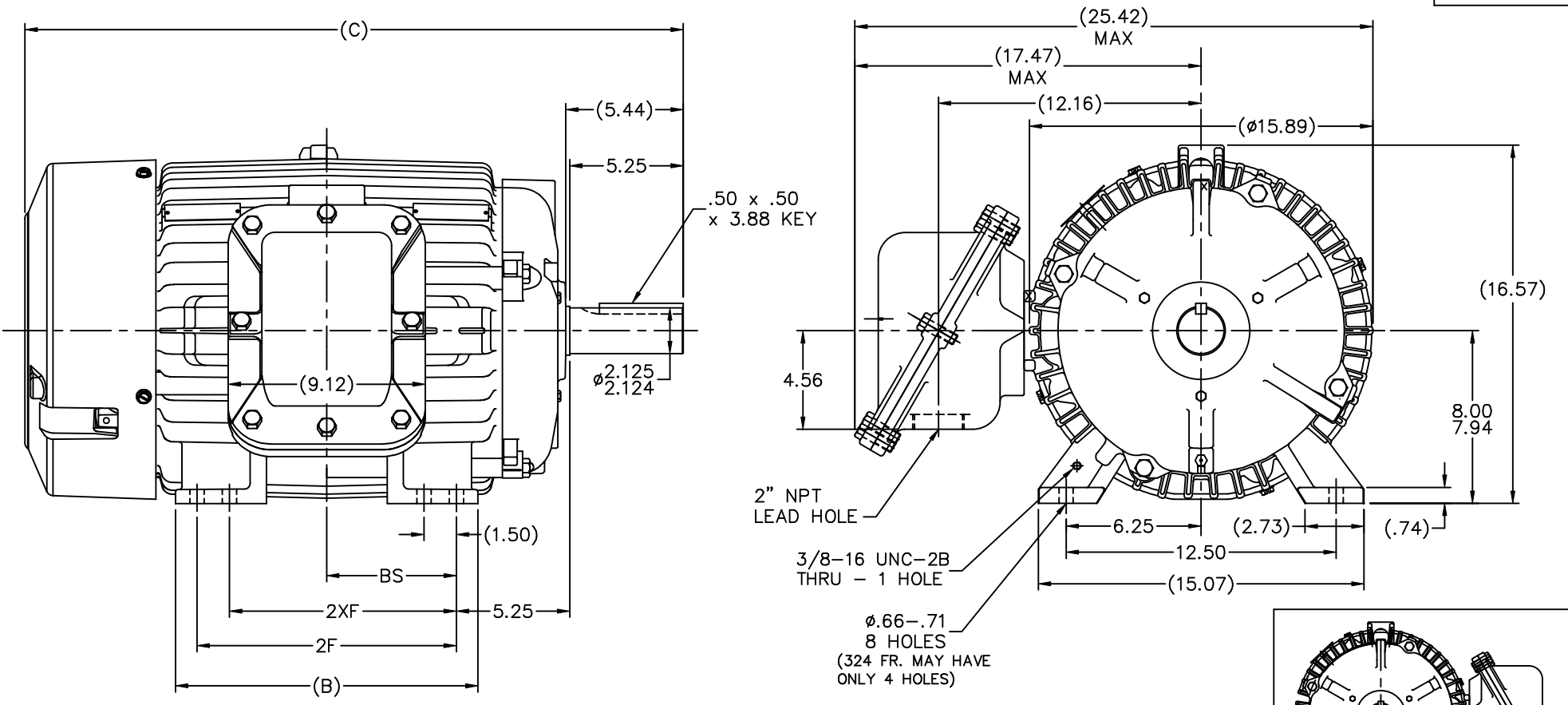
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Nameplate Specifications

| | | | |
|------------------------|--------------------------------|----------------------------|-----------------------------------|
| Phase | 3 | Output HP | 25 & 20 Hp |
| Output KW | 18.7 & 14.9 kW | Voltage | 230/460 & 190/380 V |
| Speed | 1170 & 970 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 324T | Enclosure | Explosion Proof Fan cooled |
| Thermal Protection | No Protection | Efficiency | 91.7 & 90.2 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 67/33.5 & 65/32.5 A | Power Factor | 76 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | F |
| Drive End Bearing Size | 6312 | Opp Drive End Bearing Size | 6311 |
| UL | Listed | CSA | Y |
| CE | N | IP Code | 54 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|-------------------------------------|-----------------------|-------------------------|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
| Poles | 6 | Rotation | Reversible |
| Resistance Main | .345 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 | 28.97 in |
| Frame Length | 14.75 in | Shaft Diameter | 2.125 in |
| Shaft Extension | 5.25 in | Assembly/Box Mounting | F1 ONLY |
| Inverter Load | CONSTANT 2:1 | | |
| Outline Drawing | B-SS311001-1475 | Connection Drawing | A-EE7308 |



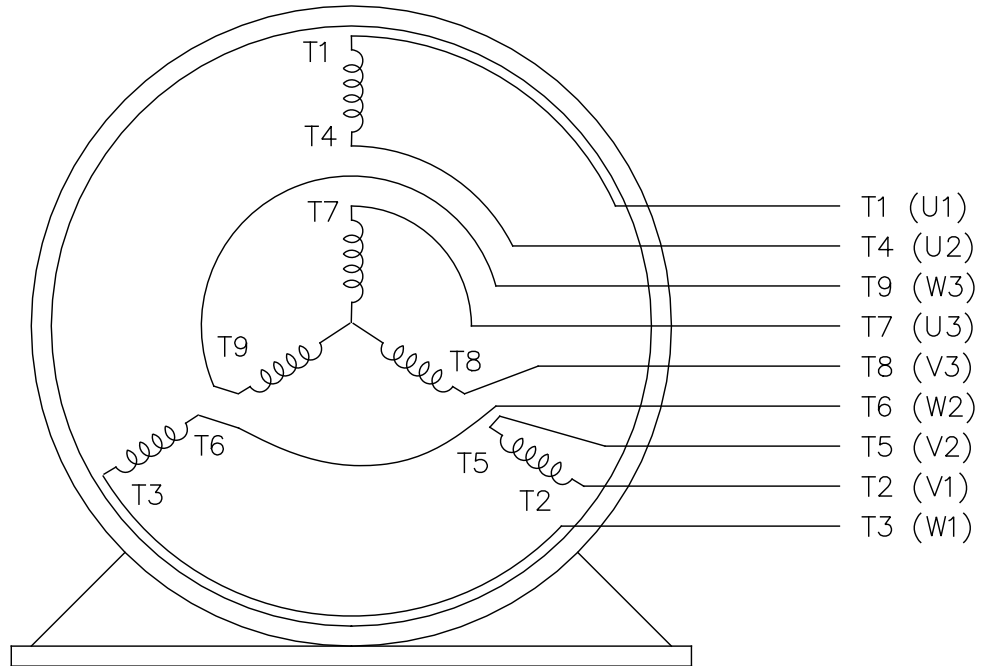
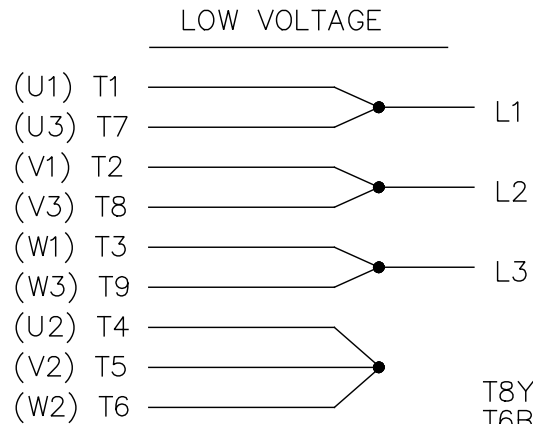
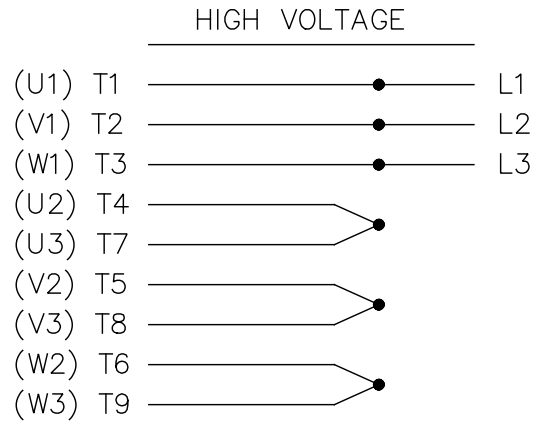
NOTES:
 1. BOX CAN ONLY BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION.
 2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

| 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 | | | | | |
|--|--|-----------|------------|-----------------------------|--------|----------------------------------|---------------------|---------------|-------------|------|----|------|
| | | | | DEC. | INCHES | | CHK | ML 04-14-1989 | | | | |
| 7 | REDRAWN IN AUTOCAD | TAT | 06-28-2004 | ML | .X | ±.1 | APPD | SW 04-14-1999 | | | | |
| 6 | FRAME FOR 1625 DASH WAS 326T FR. MU38599 | TJB | 08-23-2001 | .XX | ±.03 | TITLE | SCALE | 7-32 | | | | |
| 5 | DASH 1475 'B' WAS 12.50 CN 29200-1468 | MSG | 02-21-2001 | .XXX | ±.005 | 320T FR. - BB - STD - 12.50 LAM. | REF | | | | | |
| 4 | ADDED F2 VIEW CN 29200-383 | TJB | 04-28-2000 | .XXXX | ±.0005 | MATL | FMF | | | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±7'30" | FINISH | PREV | | | | | |
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| | | | | | | DIST | LB | B | SS311001 | 7 | | |

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

| NO. | REVISION | BY & DATE | CHK | ANG | TOLERANCES UNLESS SPECIFIED | | FINISH | DRAWN RM 11/20/1990 | | | | |
|--|--|----------------|-----|-------|--------------------------------|--------|--------------------------|---------------------|--------|--------------------|-----------|--------|
| | | | | | DEC. | INCHES | | | | | | |
| 5 | CHG TO REGAL LOGO | SL 09/10/2015 | AB | | | | | CHK ML 11/21/1990 | | | | |
| 4 | REVISED IEC NOTATIONS | MSG 11/15/2011 | CMN | .X | ±.1 | | | APPD SAS 04/24/2003 | | | | |
| 3 | ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194 | MSG 5/10/2010 | MJS | .XX | ±.02 | | TITLE CONNECTION DIAGRAM | SCALE 1=1 | | | | |
| 2 | ADDED THE OPTIONAL CORD CONNECTION MU46318 | RDH 04/24/2003 | DRS | .XXX | ±.005 | | 3Ø - DUAL VOLTAGE MOTOR | REF | | | | |
| 1 | REDRAWN | RM 11/20/1990 | | .XXXX | ±.0005 | | MAT'L. | FMF | | | | |
| | | | | | ±7'30" | | | PREV | | | | |
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