

PRODUCT INFORMATION PACKET



Model No: 254TTDX14089

Catalog No: C155A

7.50 HP General Purpose Motor, 3 phase, 1200 RPM, 208-230/460 V, 254TC Frame, ODP
General Purpose Motors

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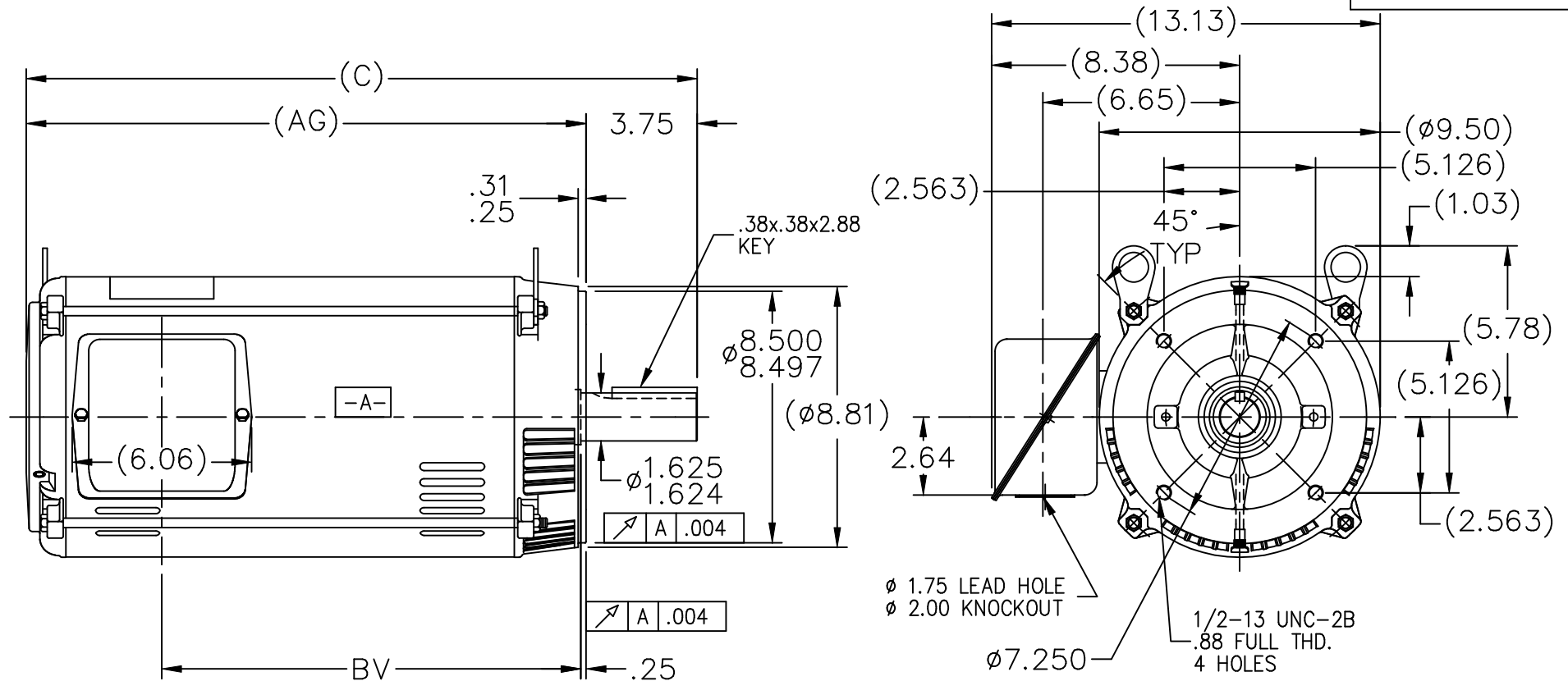


Nameplate Specifications

| | | | |
|------------------------|------------------|----------------------------|---------------|
| Output HP | 7.50 Hp | Output KW | 5.6 kW |
| Frequency | 60 Hz | Voltage | 208-230/460 V |
| Current | 23.0-21.4/10.7 A | Speed | 1165 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 88.5 % | Power Factor | 73.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | H |
| Frame | 254TC | Enclosure | Drip Proof |
| Thermal Protection | No | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6309 | Opp Drive End Bearing Size | 6208 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 12 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 6 | Rotation | Reversible |
| Resistance Main | 1.4 Ohms | Mounting | Round |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | T | Overall Length | 20.92 in |
| Frame Length | 13.40 in | Shaft Diameter | 1.625 in |
| Shaft Extension | 4 in | Assembly/Box Mounting | F1/F2 Capable |
| Connection Drawing | A-EE7308 | Outline Drawing | A-SS86523-1340 |



| DASH | FR. | C | BV | AG | MOUNTING |
|------|----------|-------|-------|-------|----------|
| 1340 | 254T | 20.92 | 12.68 | 17.17 | F1 OR F2 |
| 1515 | 254/256T | 22.67 | 14.43 | 18.92 | F1 OR F2 |

NOTES:

- NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
- BOX CAN BE MOUNTED IN 90° STEPS.
- BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

| | | | TOLERANCES UNLESS SPECIFIED | | MARATHON ELECTRIC | DRAWN DJK 10/26/1993 | | |
|--|-------------------------------------|----------------|-----------------------------|------------------|---|----------------------|-------------|-------------|
| | | | DEC. | INCHES | | CHK | ML | 10/27/1993 |
| 4 | UPDATED DRAWING | TJW 05/14/2007 | .X | ±.1 | TITLE OUTLINE 250TC FR.-BB-TS-DR.PR.-'C'FACE MAT'L. FINISH | APPD | DRN | 10/27/1993 |
| 3 | UPDATED C'BOX MU31829 | CAV 6/16/2000 | .XX | ±.03 | | SCALE | 3=16 | |
| 2 | -1515 WAS FOR 256T FR. ONLY CN18683 | KL 10/11/1994 | .XXX | ±.005 | | REF | | |
| 1 | NEW DRAWING | DJK 10/27/1993 | .XXXX | ±.0005 | | FMF | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±7'30" | PREV | | |
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| | | | DIST LB | | | A | SS86523 | REV. 4 |



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|--|--|----------------|---------|--------------------------------|-----------------|---|---------------------|-------------|------|----|------|
| | | | | TOLERANCES UNLESS SPECIFIED | |  Regal Beloit America, Inc. | DRAWN RM 11/20/1990 | | | | |
| 5 | CHG TO REGAL LOGO | SL 09/10/2015 | AB | DEC. | INCHES | | 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 | | SCALE 1=1 | | | | |
| 2 | ADDED THE OPTIONAL CORD CONNECTION MU46318 | RDH 04/24/2003 | DRS | .XXX | ±.005 | TITLE CONNECTION DIAGRAM 3Ø – DUAL VOLTAGE MOTOR | REF | | | | |
| 1 | REDRAWN | RM 11/20/1990 | | .XXXX | ±.0005 | MAT'L. | FMF | | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±7"30" | FINISH | PREV | | | | |
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| | | | DIST WP | | | | A | EE7308 | | | 5 |