

PRODUCT INFORMATION PACKET

Model No: 254TTFL5082

Catalog No: C255

Other Purpose Motor, 7.50 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 254TC Frame, TEFC

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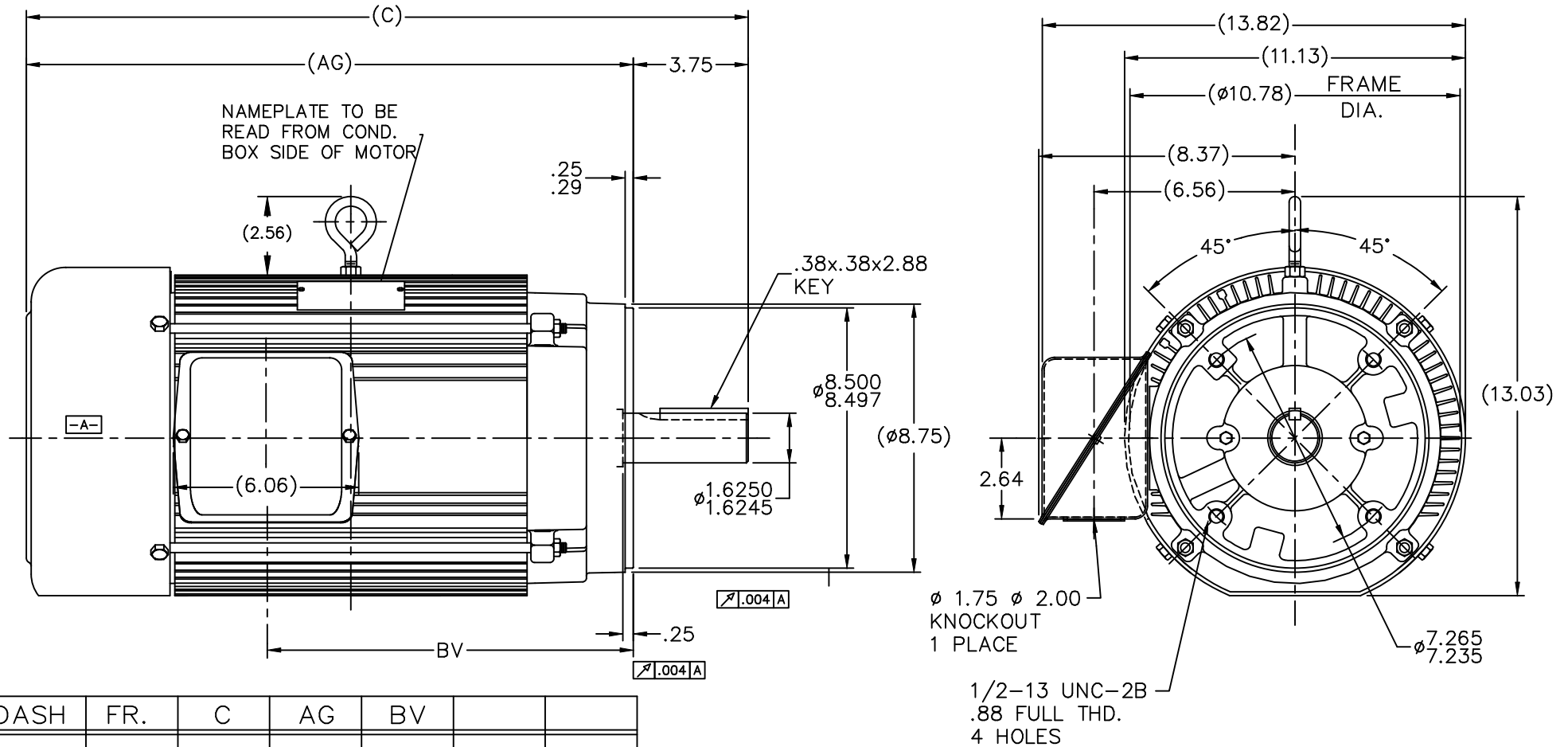


Nameplate Specifications

| | | | |
|------------------------|---------------|----------------------------|-----------------------------|
| Output HP | 7.50 Hp | Output KW | 5.6 kW |
| Frequency | 60 Hz | Voltage | 230/460 V |
| Current | 20.8/10.4 A | Speed | 1140 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 82.5 % | Power Factor | 82.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | H |
| Frame | 254TC | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6309 | Opp Drive End Bearing Size | 6207 |
| UL | Recognized | CSA | Y |
| CE | N | IP Code | 43 |
| Number of Speeds | 1 | | |

Technical Specifications


| | | | |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 6 | Rotation | Reversible |
| Resistance Main | 1.8 Ohms | Mounting | Round |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Aluminum |
| Shaft Type | T | Overall Length | 23.24 in |
| Frame Length | 11.00 in | Shaft Diameter | 1.625 in |
| Shaft Extension | 4 in | Assembly/Box Mounting | F1/F2 CAPABLE |
| Connection Drawing | A-EE7308 | Outline Drawing | A-SS84322-1100 |



| DASH | FR. | C | AG | BV | | |
|------|-----|-------|-------|-------|--|--|
| 1100 | 250 | 23.24 | 19.49 | 11.65 | | |
| 1150 | 250 | 23.74 | 19.99 | 12.15 | | |
| 1275 | 250 | 24.99 | 21.24 | 13.40 | | |
| 1400 | 250 | 26.24 | 22.49 | 14.65 | | |
| 1475 | 250 | 26.99 | 23.24 | 15.40 | | |

NOTES:

BOX CAN BE ROTATED IN 90° STEPS.

| | | | | | | | | | | | |
|---|--------------------------------------|----------------|---------|-----------------------------|------------------|---|---------------------|-------------|------------|----|------|
| | | | | TOLERANCES UNLESS SPECIFIED | |  | DRAWN DD 01-26-1993 | | | | |
| | | | | DEC. | INCHES | | CHK | ML | 01-30-1993 | | |
| 6 | UPDATED DRAWING | TJW 04/27/2007 | | .X | ±.1 | TITLE OUTLINE 250 FR. – ALUM. FR. – 'C' FACE – TEFC | APPD | GK | 01-31-1993 | | |
| 5 | REDRAWN IN AUTOCAD | TAT 06-29-2004 | ML | .XX | ±.03 | | SCALE | 1=5 | | | |
| 4 | UPDATED CONDUIT BOX CN 28427 | TJB 01-31-2000 | | .XXX | ±.005 | | REF | | | | |
| 3 | REDRAWN ON CADD, ADDED -1275 3993830 | DD 02-09-1993 | | .XXXX | ±.0005 | | FMF | | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±7'30" | FINISH | PREV | | | | |
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| | | | DIST LB | | | | A | SS84322 | | | |



| NO. | REVISION | BY & DATE | CHK | ANG | TOLERANCES UNLESS SPECIFIED | | 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 | | SCALE | 1=1 |
| 2 | ADDED THE OPTIONAL CORD CONNECTION MU46318 | RDH 04/24/2003 | DRS | .XXX | ±.005 | | REF | |
| 1 | REDRAWN | RM 11/20/1990 | | .XXXX | ±.0005 | | FMF | |
| | | | | | ±7'30" | | PREV | |
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| | | | | | DIST WP | | A | EE7308 5 |