

PRODUCT INFORMATION PACKET



Model No: G825116.00

Catalog No: G825116.00

Obsolete in the US,

G825116.00 - 1/2HP..1800RPM.182TC.EPFC.230/460V.3PH.60Hz.CONT.70C.1.0SF.C-Face.182TTGS14057.....Explosion

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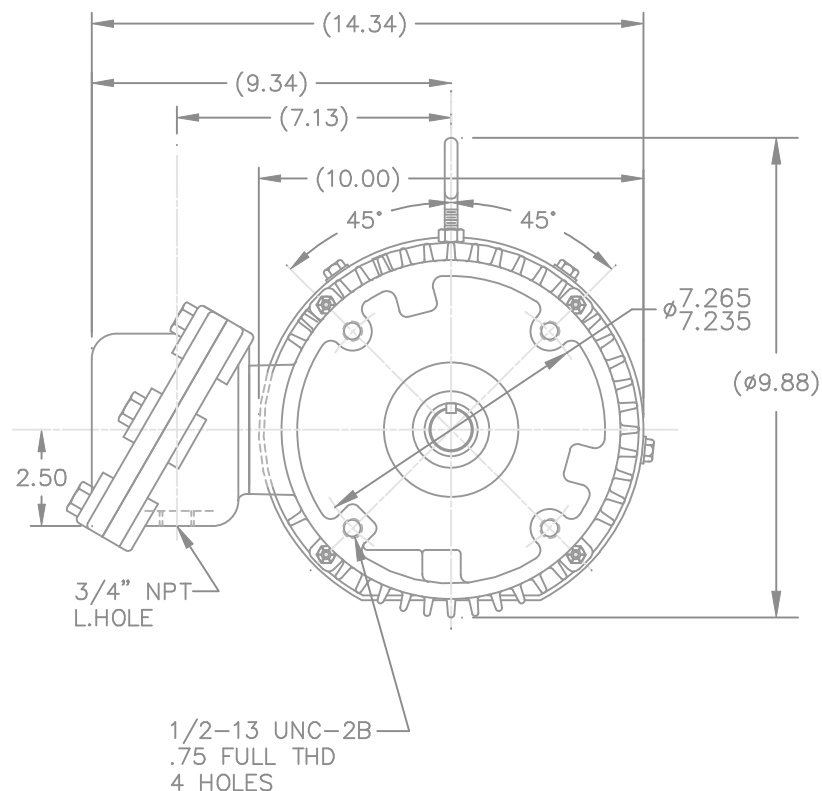
Nameplate Specifications

| | | | |
|------------------------|---------------------|----------------------------|--|
| Phase | 3 | Output HP | 3 & 2 Hp |
| Output KW | 2.2 & 1.5 kW | Voltage | 230/460 & 190/380 V |
| Speed | 1760 & 1470 rpm | Service Factor | 1.0 & 1.0 |
| Frame | 182TC | Enclosure | Explosion Proof Fan cooled |
| Thermal Protection | Thermostat | Efficiency | 87.5 & 88.5 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 8.4/4.2 & 7.4/3.7 A | Power Factor | 76 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | K |
| Drive End Bearing Size | 207 | Opp Drive End Bearing Size | 205 |
| UL | No | CSA | N |
| CE | N | IP Code | 54 |
| Number of Speeds | 1 | Hazardous Location | EXP PROOF CL I GR C&D CL II GR F&G T3B |

Technical Specifications


| | | | |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | 4.65 Ohms | Mounting | Round |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | T | Assembly/Box Mounting | F1 ONLY |
| Outline Drawing | A-SS63882LE-800 | Connection Drawing | A-EE7308T-LE |

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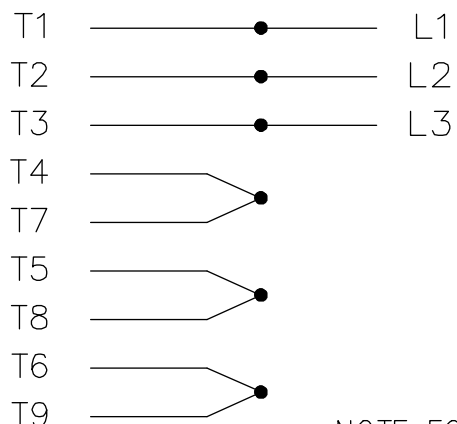


| DASH | FRAME | C | AG | BV | | |
|------|---------|-------|-------|------|--|--|
| 575 | 182TC | 15.62 | 13.00 | 5.88 | | |
| 675 | 184TC | 16.62 | 14.00 | 6.38 | | |
| 800 | 182/4TC | 17.87 | 15.25 | 7.00 | | |
| | | | | | | |

BOX CAN BE ROTATED IN 90° STEPS.

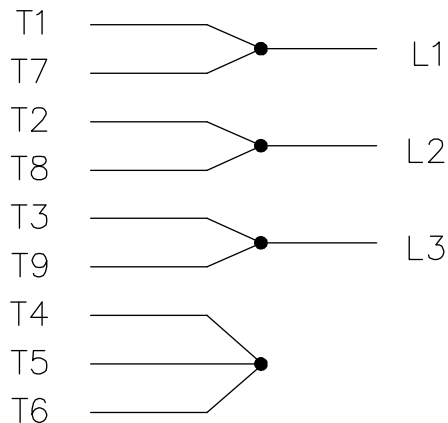
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|--|-------------------------------------|----------------|-----|--------------------------------|--------|---|---|--|------|----------------------|------|----|------|
| | | | | TOLERANCES UNLESS SPECIFIED | |  | ELECTRIC MOTORS GEARMOTORS AND DRIVES | | | DRAWN TJB 09-17-2002 | | | |
| | | | | DEC. | INCHES | | | | | CHK ML 09-17-2002 | | | |
| | | | | .X | ±.1 | | | | | APPD TB 09-18-2002 | | | |
| | | | | .XX | ±.03 | | | | | SCALE 1=5 | | | |
| 2 | CORRECTED STD. 2 PLACE TOL. WAS .02 | RJW 10-09-2008 | ML | .XXX | ±.005 | TITLE OUTLINE 180TC FR. – BB – EPFC – C'FACE | | | REF | | | | |
| 1 | NEW DRAWING CN 34809 | TJB 09-18-2002 | TB | .XXXX | ±.0005 | MAT'L. | | | FMF | | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±1/2' | FINISH | | | PREV | | | | |
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| | | | | DIST LB | | | | | A | SS63882LE | | | |

HIGH VOLTAGE



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE

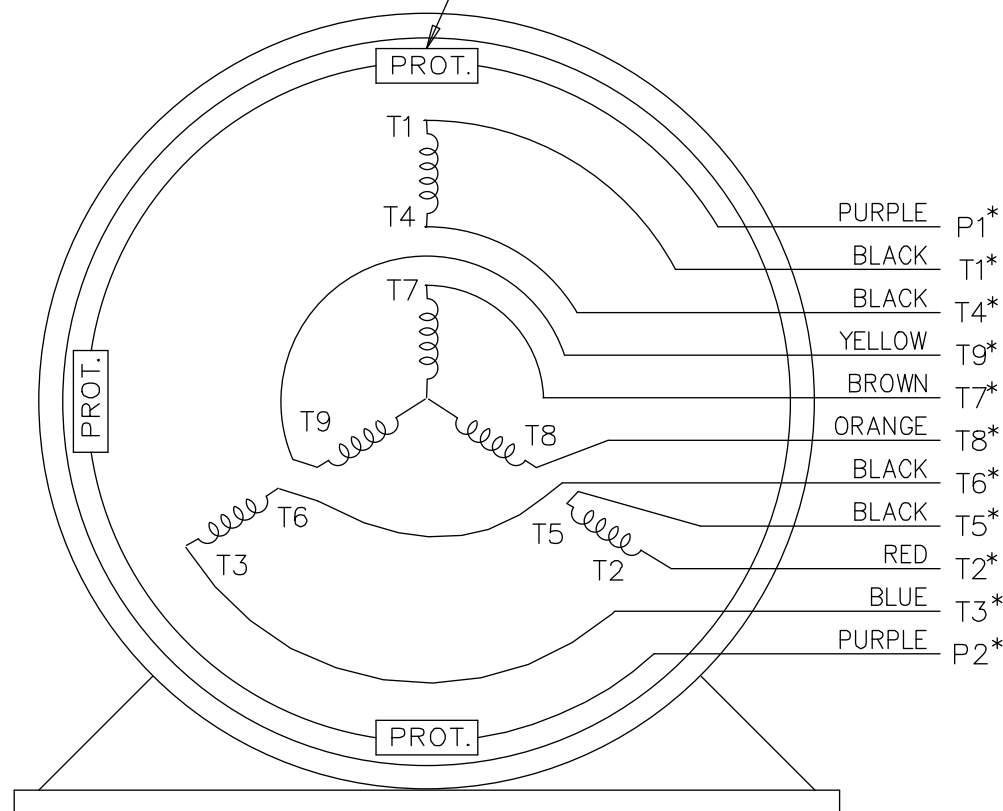


* USE LEADS AS PER PLANT STANDARD IRRWSPECTIVE OF THEIR COLOUR.


THREE PHASE DUAL VOLTAGE MOTOR

EE7308T-LE

THREMO-PROTECTORS
CONNECTED IN SERIES.



VIEW OF TERMINAL END

| | | | | | | | | | | | | |
|--|--|----------------|-----|--------------------------------|--------|---|---|--|----------------------|-------------|------------|------|
| | | | | TOLERANCES UNLESS SPECIFIED | |  | ELECTRIC MOTORS GEARMOTORS AND DRIVES | | DRAWN TJB 05-07-2002 | | | |
| 05 | ADDED * NOTE PER ECN # 26921 | UD 01-30-2013 | JD | DEC. | INCHES | | | | CHK | ML | 05-08-2002 | |
| 04 | ADDED COLORS TO "T & P" LEADS CN 40494 | MSG 08-08-2006 | ML | .X | ±.1 | | | | APPD TB 05-08-2002 | | | |
| 03 | RE-ISSUE | NJS 04-21-2004 | JET | .XX | ±.02 | TITLE CONNECTION DIAGRAM 3 PHASE – DUAL VOLTAGE MOTOR | | | SCALE 1=1 | | | |
| 02 | REDRAWN | TAT 04-20-2004 | ML | .XXX | ±.005 | | | | REF | | | |
| 01 | NEW DRAWING CN 34708 | TJB 05-08-2002 | ML | .XXXX | ±.0005 | MAT'L. | | | FMF | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±7°30" | FINISH | | | PREV | | | |
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