

PRODUCT INFORMATION PACKET



Model No: G151508.60

Catalog No: G151508.60

SOLETE REPLACED BY 171508.60 - ..30HP..1800RPM.286TC.TEFC.230/460V.3PH.60HZ.CONT.40C..C-FACE.....

Miscellaneous

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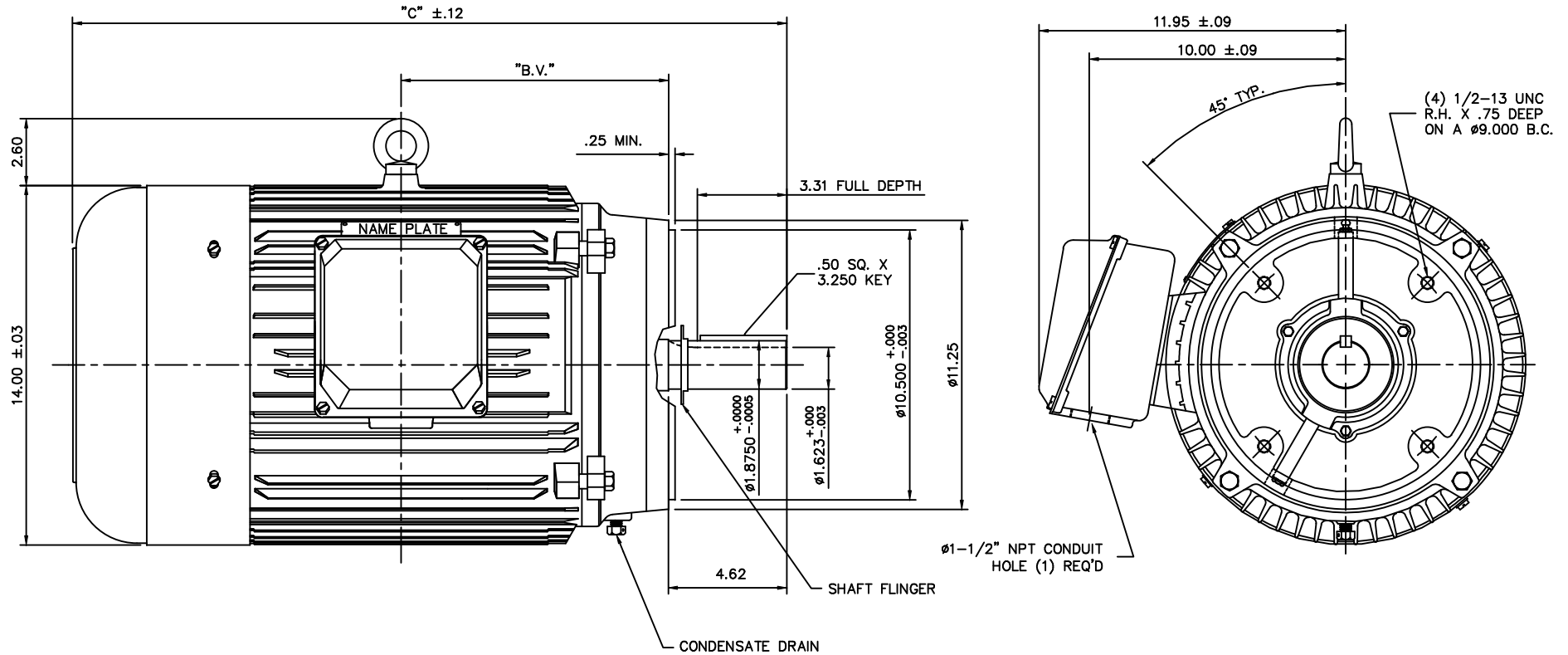
Nameplate Specifications

| | | | |
|------------------------|------------------|----------------------------|-----------------------------|
| Output HP | 30 Hp | Output KW | 22.4 kW |
| Frequency | 60 Hz | Voltage | 208-230/460 V |
| Current | 76.0-69.0/34.5 A | Speed | 1775 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 93 % | Power Factor | 87 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | G |
| Frame | 286TC | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6311 | Opp Drive End Bearing Size | 6309 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 43 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|------------------------------|-----------------------|---------------------------------|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Wye Start Delta Run Or Inverter |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | .2216 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/F2 CAPABLE |
| Outline Drawing | 16957960 | Connection Drawing | 004172.01 |

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| FRAME DESIGN | "C" | "BV" |
|--------------|-------|-------|
| 284T | 26.26 | 9.65 |
| 286T | 27.83 | 10.43 |

| | | | | | | | | | |
|---|----------------------------------|-------------|--------|---------------------------------------|--------|------------------------------------|--------------------|-------|-----------------------------------|
| | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | LEESON ELECTRIC CORPORATION | | | |
| | | | | DEC. | INCHES | METRIC | | | |
| | | | | .X | ±1 | ±2.5 | DRAWN LEM 09/28/99 | TITLE | OUTLINE 280T FRAME, TEFC "C" FACE |
| | | | | .XX | ±.03 | ±.76 | APPR. | | NEW CONDUIT BOX |
| 01 | REDRAWN TO CURRENT CAD STANDARDS | CJK 7/19/01 | | .XXX | ±.005 | ±.127 | R.F.P. | MAT'L | CAST IRON |
| NO. | REVISION | BY & DATE | CHK'D. | .XXXX | ±.0005 | ±.0127 | SCALE 1=4 | | |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT | | | | | | | FRACTIONS | ±1/64 | REF. |
| | | | | | | | ANGLES | ±1/2° | FMF |
| | | | | | | | FINISH | | |
| | | | | | | | REV. | 01 | DRAWING NO. 169579-60 |

WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY

REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER - HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

LINE LEADS



ACROSS THE LINE START & RUN

| | LINE 1 | LINE 2 | LINE 3 | JOIN & INSULATE SEPARATELY |
|-----------|-----------------|-----------------|-----------------|----------------------------|
| HIGH VOLT | T1,T12 | T2,T10 | T3,T11 | (T4,T7) (T5,T8) (T6,T9) |
| LOW VOLT | T1,T6 T7,T12 | T2,T4 T8,T10 | T3,T5 T9,T11 | |

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2"



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN WLW 09/08/77

CHK RPB 09/12/77

APPD JCW 09/12/77

SCALE 1=1

REF

FMF

PREV

| | | | | |
|-----|---|--------------|-------|--------|
| 03 | REV'D LOW VOLTAGE CONN. LEADS PER ELEC. | BJB 06/07/00 | .XX | ±.01 |
| 02 | ADDED T-STAT. NOTES PER ELECTRICAL | KMM 06/02/98 | .XXX | ±.005 |
| 01 | REDRAWN TO CAD | DBT 06/02/97 | .XXXX | ±.0005 |
| NO. | REVISION | BY & DATE | CHK | ANG |

TITLE DELTA - WYE CONNECTION DIAGRAM

MAT'L.

FINISH

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RFP

DIST

CAD FILE 00417201

SIZE

A

DRAWING NO.

004172-01

REV.

03