

PRODUCT INFORMATION PACKET



Model No: C4T17NB3E
Catalog No: 100123.00
1/4HP..1725/1425RPM.48.TENV.208-
230/460V.3PH.60/50HZ.CONT.NOT.40C.1.15/1.15SF.RIGID.GENERAL PURPOSE.C4T17NB3E
Totally Enclosed Non-Ventilated (TENV)



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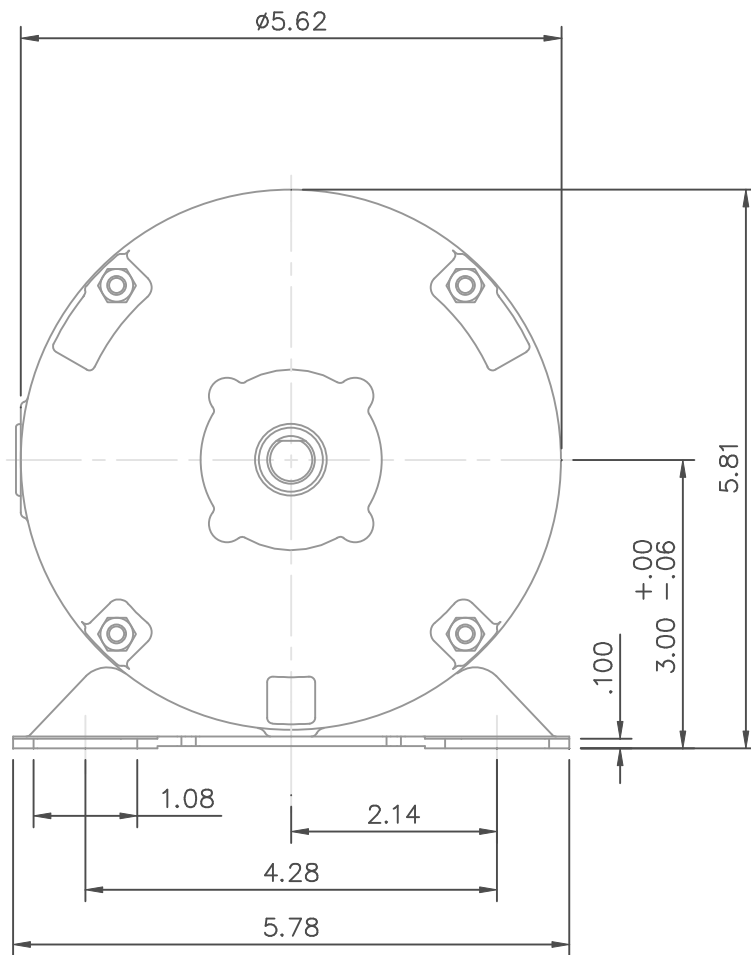
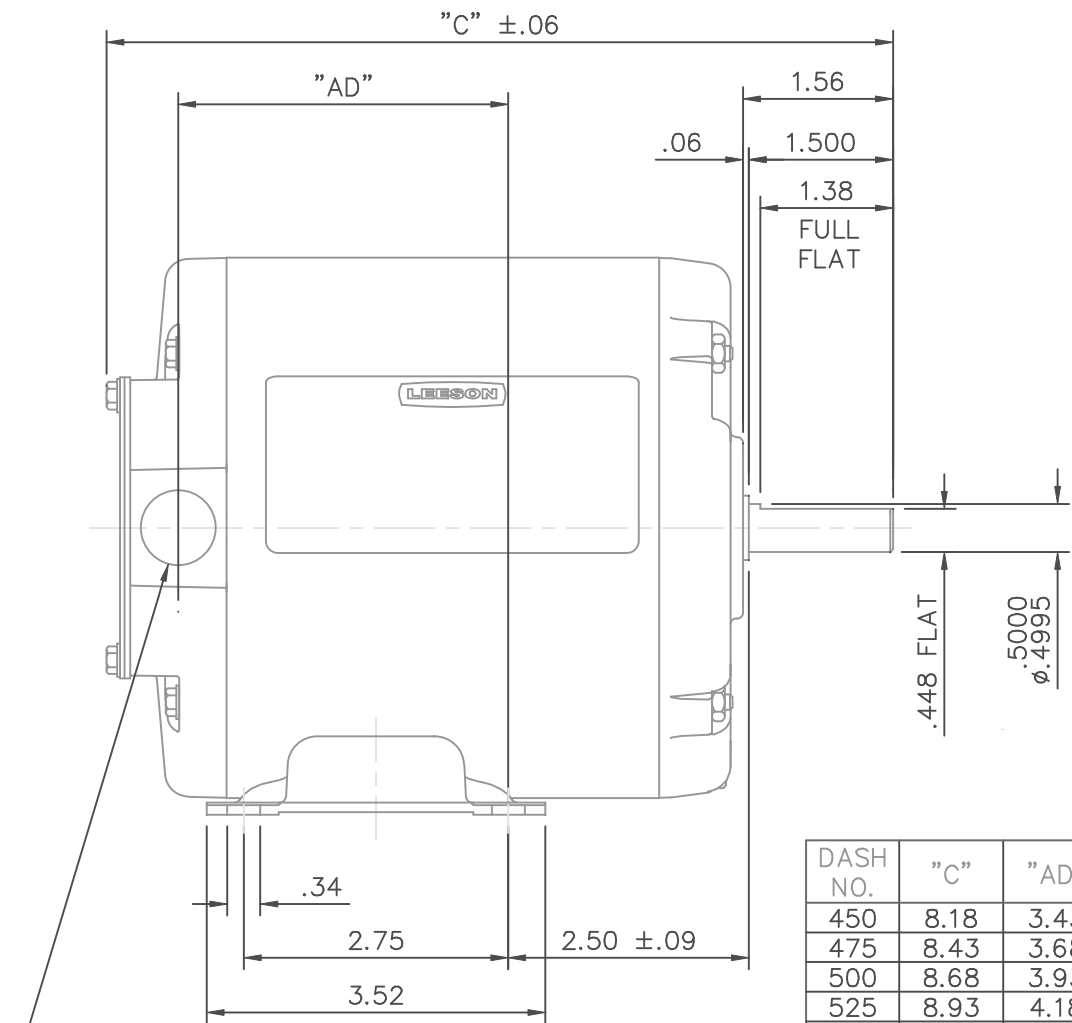


Nameplate Specifications

| | | | |
|----------------------------|--|------------------------|----------------------|
| Output HP | 0.25 Hp | Output KW | 0.19 kW |
| Frequency | 60 Hz | Voltage | 208-230/460 V |
| Current | 0.90-0.90/0.45 A | Speed | 1725 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 78 % | Duty | Continuous |
| Insulation Class | B | Design Code | B |
| KVA Code | M | Frame | 48 |
| Enclosure | Totally Enclosed Non Ventilated | Overload Protector | No |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6203 |
| Opp Drive End Bearing Size | 6203 | UL | Recognized |
| CSA | Y | CE | N |
| IP Code | 43 | | |

Technical Specifications

| | | | |
|-----------------------|------------------------------------|-----------------------|------------------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Reversible |
| Mounting | Rigid base | Motor Orientation | HORIZONTAL |
| Drive End Bearing | BALL | Opp Drive End Bearing | BALL |
| Frame Material | Rolled Steel | Shaft Type | NEMA 48 |
| Overall Length | 9.18 in | Frame Length | 5.50 in |
| Shaft Diameter | 0.500 in | Shaft Extension | 1.5 in |
| Assembly/Box Mounting | F1 ONLY | | |
| Outline Drawing | 031652-550 | Connection Diagram | 005010.01 |



| DASH NO. | "C" | "AD" |
|----------|-------|------|
| 450 | 8.18 | 3.43 |
| 475 | 8.43 | 3.68 |
| 500 | 8.68 | 3.93 |
| 525 | 8.93 | 4.18 |
| 550 | 9.18 | 4.43 |
| 575 | 9.43 | 4.68 |
| 600 | 9.68 | 4.93 |
| 625 | 9.93 | 5.18 |
| 650 | 10.18 | 5.43 |
| 675 | 10.43 | 5.68 |

1/2-14 NPT
CONDUIT HOLE
(PLUGGED)

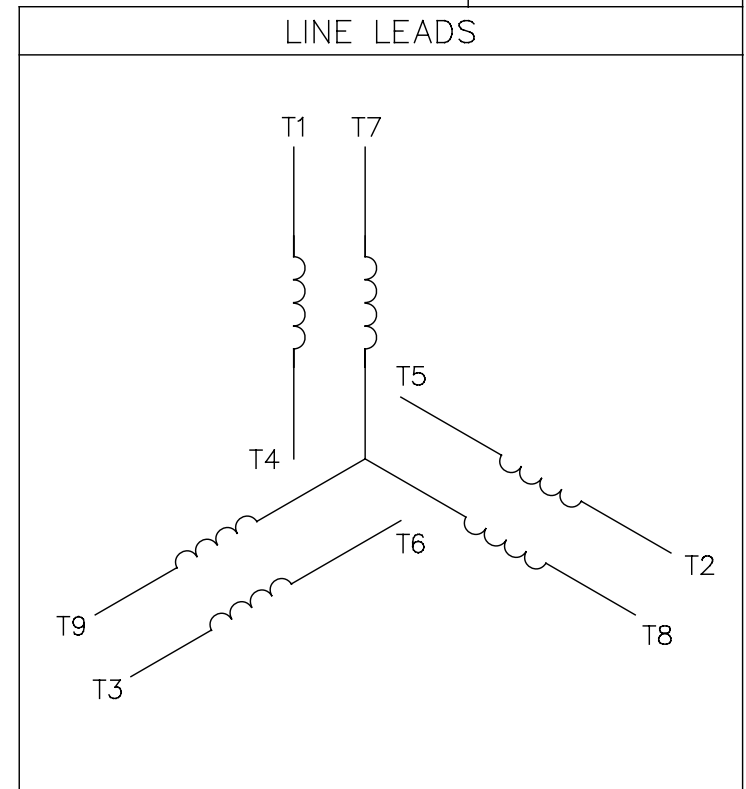
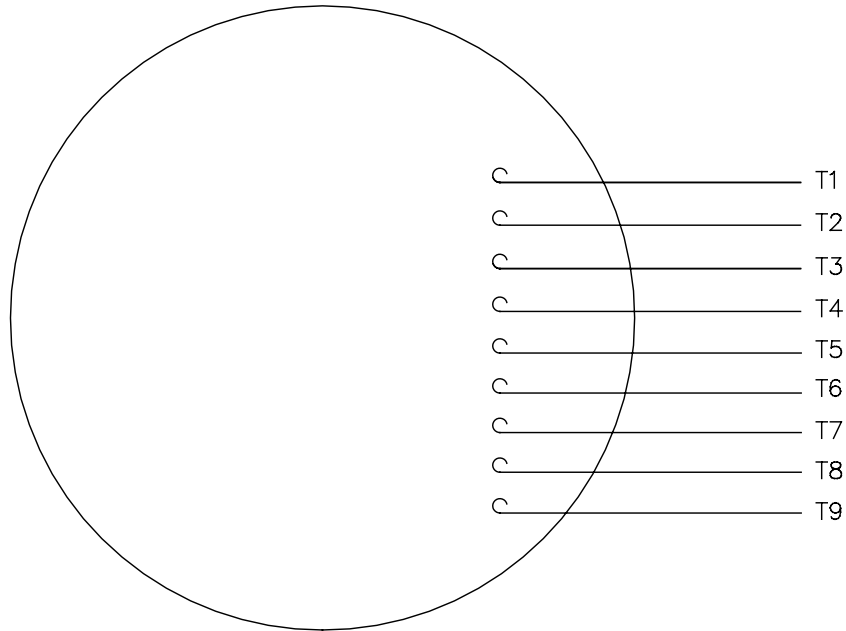
GASKETS THROUGHOUT

| | | | | | | | | | |
|-----|----------|-----------|---------|---------------------------------------|--------|--------|------------------------------------|--------|--|
| | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | LEESON ELECTRIC CORPORATION | | |
| | | | | DEC. | INCHES | METRIC | | | |
| | | | | .X | ±.1 | ±2.5 | APPR. | | OUTLINE - 48 FRAME RIGID MOUNT - TENV |
| | | | | .XX | ±.03 | ±.76 | R.F.P. | | MAT'L. |
| | | | | .XXX | ±.005 | ±.127 | SCALE | 1=2 | 3 PHASE |
| NO. | REVISION | BY & DATE | CH'K'D. | .XXXX | ±.0005 | ±.0127 | REF. | 031086 | FINISH |
| | | | | FRACTIONS | ±1/64 | | FMF | 100123 | REV. |
| | | | | ANGLES | ±1/2° | | | | DRAWING NO. |
| | | | | | | | | | 031652 |

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005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



| VOLTAGE | L1 | L2 | L3 | JOIN & INSULATE |
|---------|-------|-------|-------|-------------------------------|
| HIGH | T1 | T2 | T3 | (T4,T7) (T5,T8) (T6,T9) |
| LOW | T1,T7 | T2,T8 | T3,T9 | T4,T5,T6 |

| | | | | | | | | | | |
|--|-----------------------|--|--------------|--------------------------------|-----------|--|--|--------------------|-------------|------|
| | | | | TOLERANCES UNLESS SPECIFIED | | REGAL ™ Regal Beloit America, Inc. | | DRAWN RDW 04/12/02 | | |
| | | | | DEC. | INCHES | | | CHK | | |
| | | | | .X | ±.1 | | | APPD | | |
| | | | | .XX | ±.01 | | | SCALE 1=1 | | |
| | | | | .XXX | ±.005 | TITLE | | REF FIG.2-51 | | |
| A | UPDATED TO REGAL LOGO | | SAJ 06/26/15 | AJY .XXXX | ±.0005 | MAT'L. | | FMF | | |
| NO. | REVISION | | BY & DATE | CHK | ANG ±1/2" | FINISH | | PREV | | |
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| | | | | DIST | BRF-NLV | 00501001 | | A | 005010-01 | A |



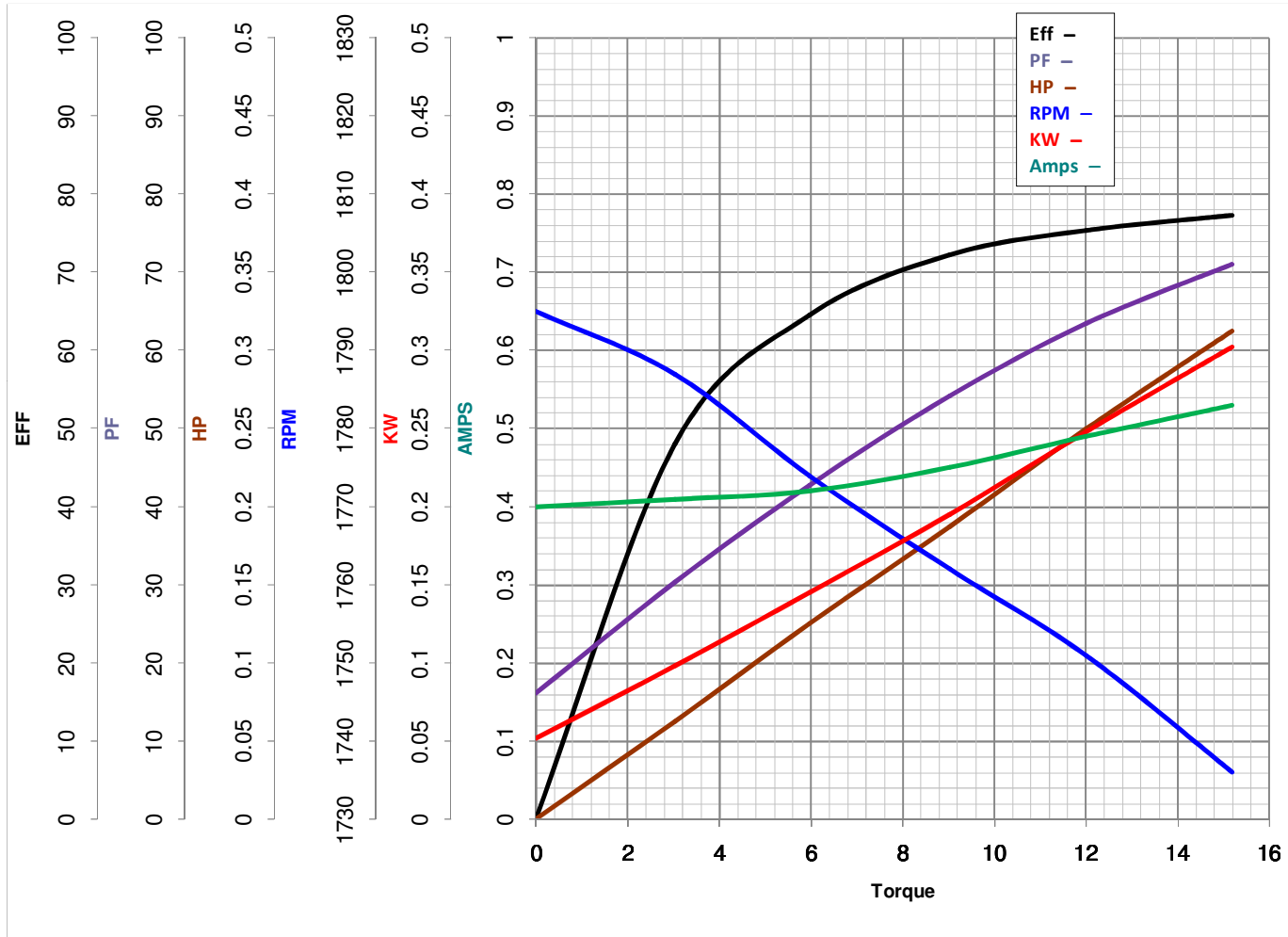
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 100123.00

Catalog No 100123.00

Curve at 460 Volts HP 0.25&0.25 PHASE 3
60 HZ
0.25 HP VOLTS 208-230/460&208-230/460

HZ 60&50 RPM 1725&1425



Torque in Oz.Ft

FL TORQUE 12.01 Oz.Ft
 BD TORQUE 61.2 Oz.Ft
 LR TORQUE 52.25 Oz.Ft

FL AMPS 9.9/45
 PU TORQUE 52.1 Oz.Ft
 LR AMPS 3.33

WINDING TE48451-3

Date 5/24/2018