

PRODUCT INFORMATION PACKET



Model No: C182T11FB9B

Catalog No: 131980.00

..1

1/2HP..1170RPM.182.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.C182T11FB9B.....Wattsaver.AU
TOMATIC.....

Totally Enclosed Fan Cooled (TEFC)



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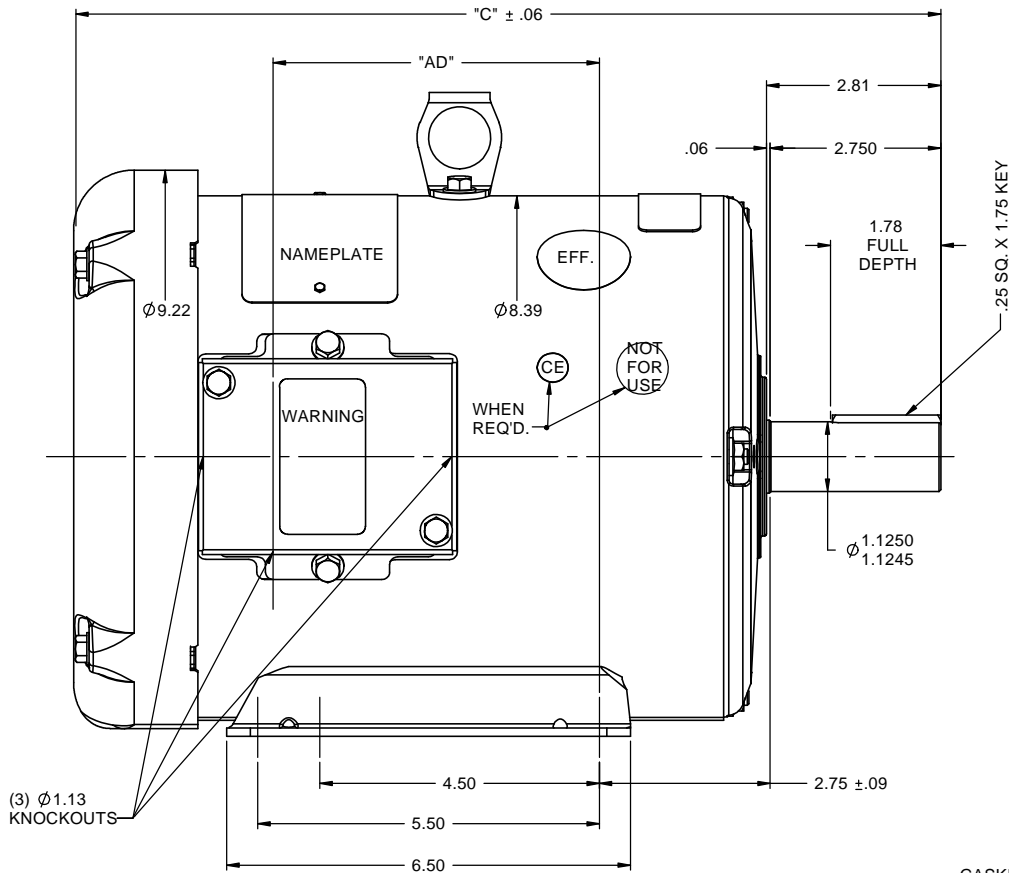
Nameplate Specifications

| | | | |
|----------------------------|-----------------------------|------------------------|------------|
| Output HP | 1.50 Hp | Output KW | 1.1 kW |
| Frequency | 60 Hz | Voltage | 230/460 V |
| Current | 6.0/3.0 A | Speed | 1170 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 87.5 % | Duty | Continuous |
| Insulation Class | F | Design Code | B |
| KVA Code | K | Frame | 182T |
| Enclosure | Totally Enclosed Fan Cooled | Overload Protector | Automatic |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6206 |
| Opp Drive End Bearing Size | 6205 | UL | Recognized |
| CSA | Y | CE | Y |
| IP Code | 43 | | |

Technical Specifications

| | | | |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 6 | Rotation | Reversible |
| Mounting | Rigid base | Motor Orientation | HORIZONTAL |
| Drive End Bearing | BALL | Opp Drive End Bearing | BALL |
| Frame Material | Rolled Steel | Shaft Type | T |
| Overall Length | 14.46 in | Frame Length | 9.00 in |
| Shaft Diameter | 1.125 in | Shaft Extension | 2.75 in |
| Assembly/Box Mounting | F1/F2 CAPABLE | | |
| Outline Drawing | 035465-900 | Connection Diagram | 005010.20 |

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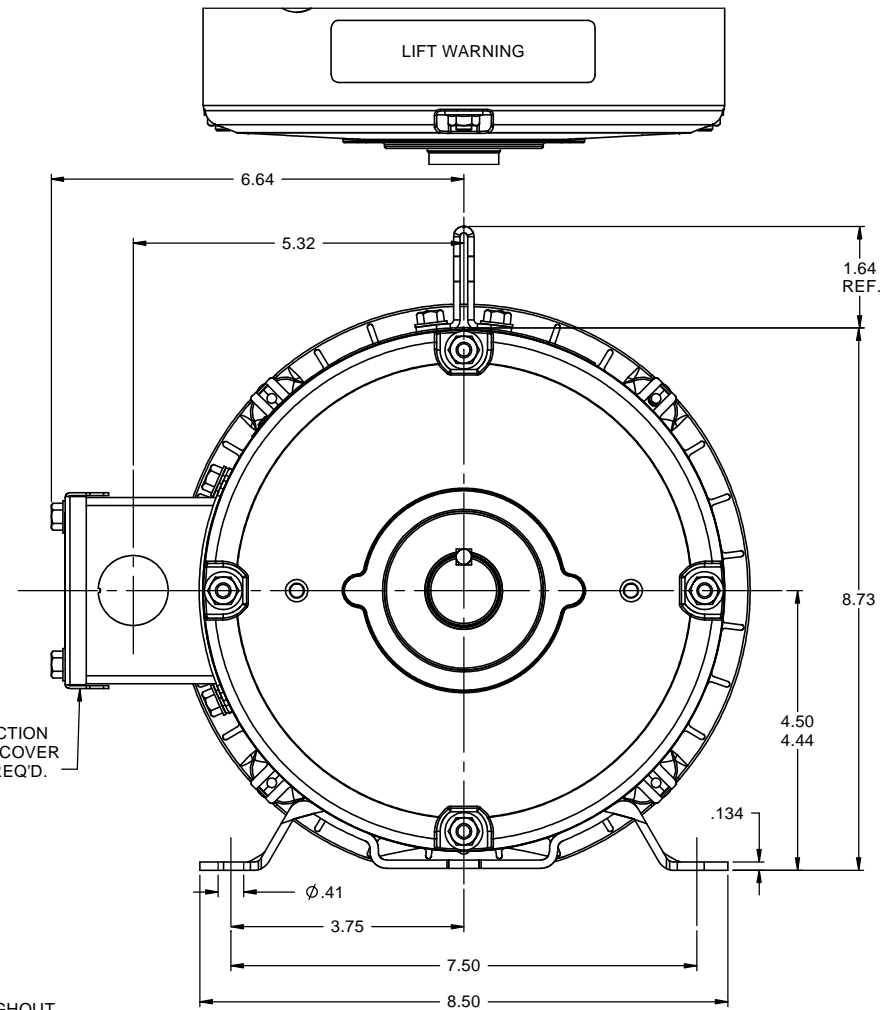


(3) Ø1.13 KNOCKOUTS


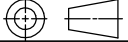
.25 SQ. X 1.75 KEY

DECAL-
CONNECTION
UNDER COVER
WHEN REQ'D.

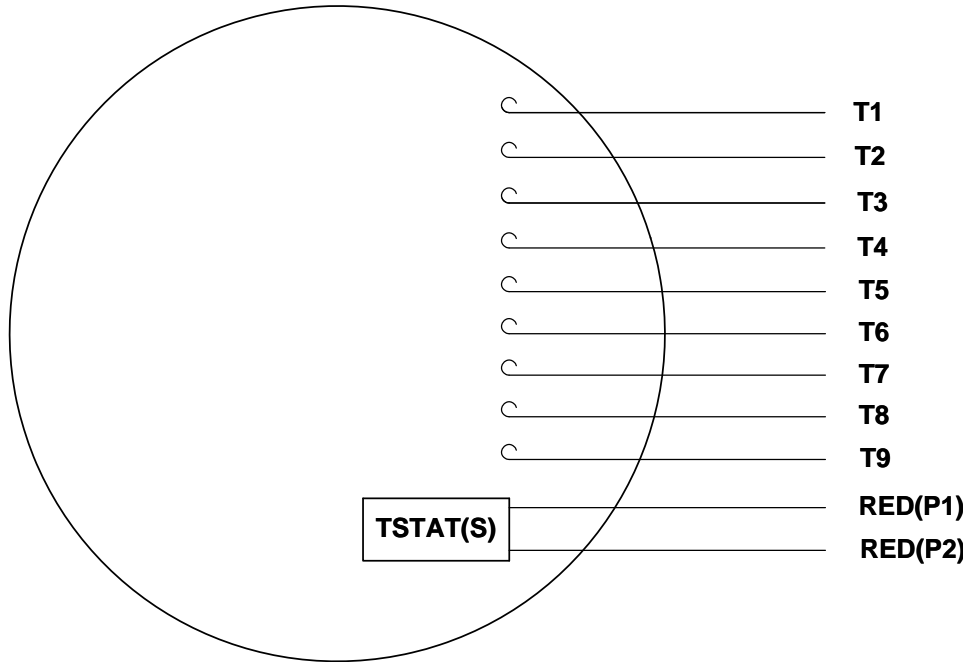
GASKET THROUGHOUT



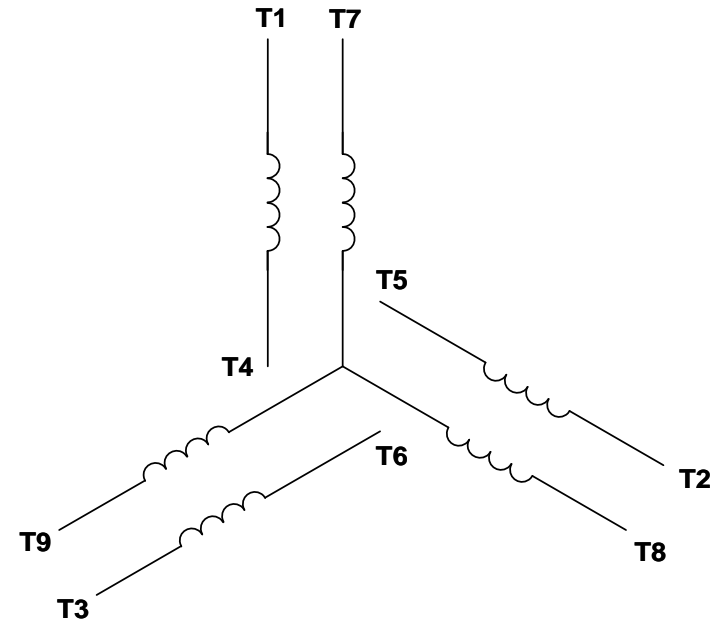
| DASH NO. | "C" | "AD" |
|----------|-------|------|
| 750 | 12.96 | 4.25 |
| 800 | 13.46 | 4.75 |
| 850 | 13.96 | 5.25 |
| 900 | 14.46 | 5.75 |
| 950 | 14.96 | 6.25 |
| 1000 | 15.46 | 6.75 |
| 1050 | 15.96 | 7.25 |
| 1100 | 16.46 | 7.75 |
| 1150 | 16.96 | 8.25 |

| | | | | | | | | | |
|--|--|--|--|-----------------------------|--|---|--|----------------------------|--|
| | | | | TOLERANCES UNLESS SPECIFIED | |  REGAL-BELOIT CORPORATION | | DRAWN MGM 2/21/03 | |
| | | | | DEC INCHES | | | | CHK | |
| | | | | X ±.1 | | XX ±.03 | | TITLE OUTLINE - 180T FRAME | |
| 02 REV TO MATCH ORACLE | | | | LST 8/13/2010 | | XX XXX ±.005 | | TEFC - RIGID | |
| - UPDATE & REDRAWN IN SOLIDWORKS | | | | LST 12/10/2009 | | XX XXXX ±.0005 | | MATL GENERAL PURPOSE | |
| NO REVISION | | | | BY & DATE | | CHK ANG ±1/2° | | FINISH | |
| THIRD ANGLE PROJECTION  | | | | RFP | | PREV | | SIZE DRAWING NO | |
| | | | | NETWORK FILE NAME 035465 | | B | | PAGE OF | |
| | | | | | | | | 035465 | |
| | | | | | | | | REV 02 | |

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



LINE LEADS



| 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 |

DRAWING REVISION **G** REVISION BY **MVG** DATE **04/05/2017**

ECO **ECO-0121253** APPROVED BY **SM** DATE **04/05/2017**

ECO DESCRIPTION
ADDED P1 & P2 FOR TSTAT

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

| DEC. | INCH | mm | ANGLE |
|-------|---------|-----------|-------|
| .X | ±0.1 | [±2.5] | ±0.5° |
| .XX | ±0.01 | [±0.25] | |
| .XXX | ±0.005 | [±0.127] | |
| .XXXX | ±0.0005 | [±0.0127] | |

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125/3.2 INCH/mm
mm SHOWN IN [BRACKETS]

DRAWN BY **DBT 12/16/97**

DATE

APPROVED BY **KH 12/17/97**

DATE

REFERENCE

THIRD ANGLE PROJECTION



DESCRIPTION
CONN DIAGRAM-EXTERNAL
3 PHASE WITH PROTECTOR

MATERIAL **DECAL - 004014 (TSTAT) - 080582** PROCESS/FINISH **STOCK**

SIZE **A** DRAWING NUMBER **00501020** SHEET **1 OF 1**



Motor Load Data

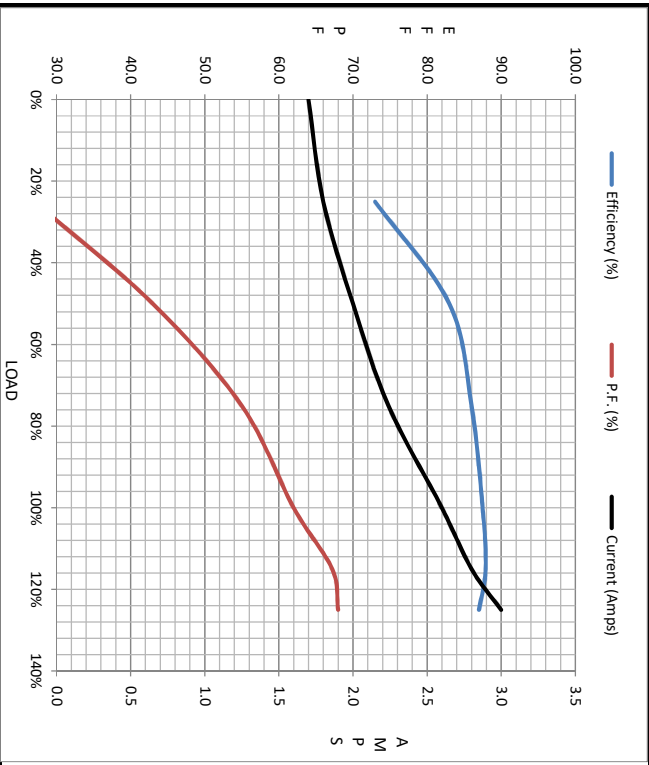
| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR |
|----------------|------|------|------|------|------|------|------|------|
| Current (Amps) | 1.70 | 1.80 | 2.00 | 2.24 | 2.60 | 2.80 | 3.0 | 15.2 |
| Torque (ft-lb) | 0.00 | 1.65 | 3.3 | 5.0 | 6.7 | 7.8 | 8.5 | 11.0 |
| RPM | 1200 | 1195 | 1190 | 1185 | 1175 | 1175 | 1170 | 0 |
| Efficiency (%) | | | | | | 87.9 | 87.0 | |
| P.F. (%) | 8.0 | 27.0 | 43.0 | 55.0 | 62.0 | 67.2 | 68.0 | 38.0 |

Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (RPM) | 0 | 600 | 1043 | 1175 | 1200 |
| Current (Amps) | 15.2 | 14.9 | 7.4 | 2.60 | 1.70 |
| Torque (ft-lb) | 11.0 | 10.8 | 22.5 | 6.7 | 0.00 |

Information Block

| | | | | |
|-----------------------------|-------------------------|--------|--------|--------|
| HP | 1.5 | | | |
| Sync. RPM | 1200 | | | |
| Frame | 180 | | | |
| Enclosure | TEFC | | | |
| Construction | TFW | | | |
| Voltage | 230/460 V | | | |
| Frequency | 60 Hz | | | |
| Design | B | | | |
| LR Code letter | K | | | |
| Service Factor | 1.15 | | | |
| Temp Rise @ FL | 35 °C | | | |
| Duty | CONT | | | |
| Ambient | 40 °C | | | |
| Elevation | 1,000 feet | | | |
| Rotor/Shaft wk ² | 0.56 lb-Ft ² | | | |
| Ref Wdg | T8636 FR | | | |
| Sound Pressure @ 1M | 0 dBA | | | |
| VFD Rating | NONE | | | |
| Outline Dwg | 035465-900 | | | |
| Conn. Diag | 005010.20 | | | |
| Additional Specifications: | | | | |
| 0 | | | | |
| EQUIV CKT (OHMS / PHASE) | | | | |
| R1 | R2 | X1 | X2 | Xm |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |



Speed - Torque Curve

