

# PRODUCT INFORMATION PACKET



Model No: C182T11DC112A

Catalog No: 132427.00

..2HP..1200RPM.184TC.ODP.230/460V.3PH.60HZ.CONT.40C.1.15SF.C FACE.....GENERAL  
PURPOSE.....

Open Drip Proof (ODP)



Regal and Leeson are trademarks of Regal Beloit Corporation or one of its affiliated companies.

©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E





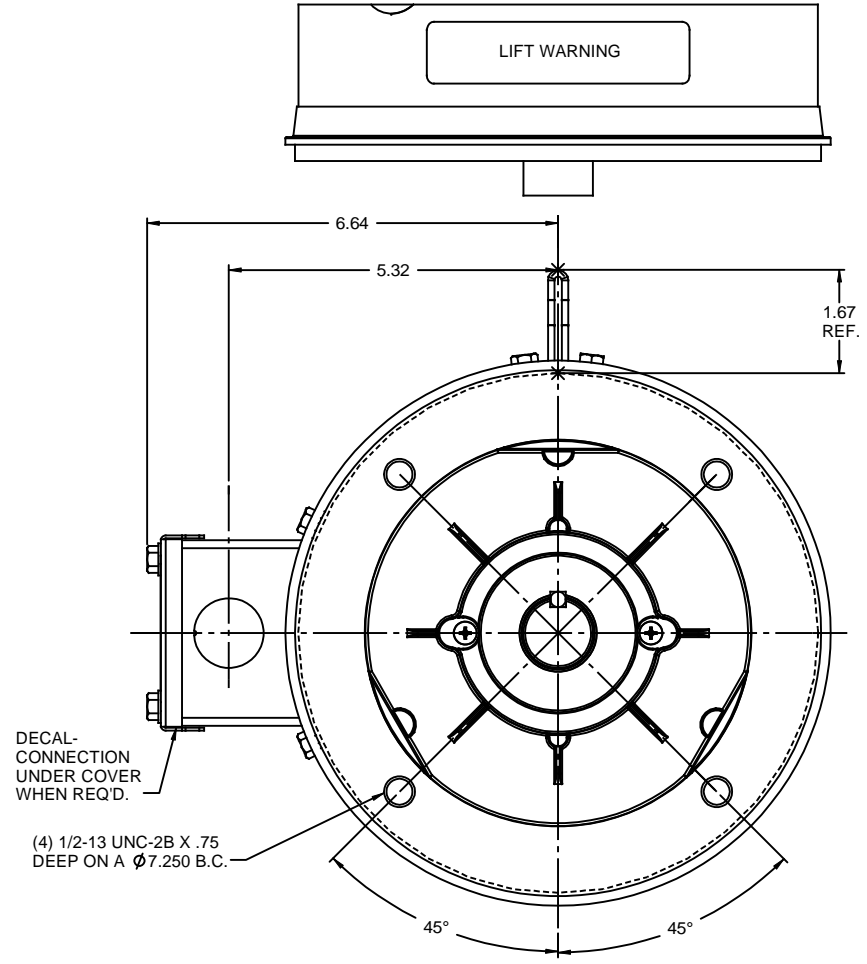
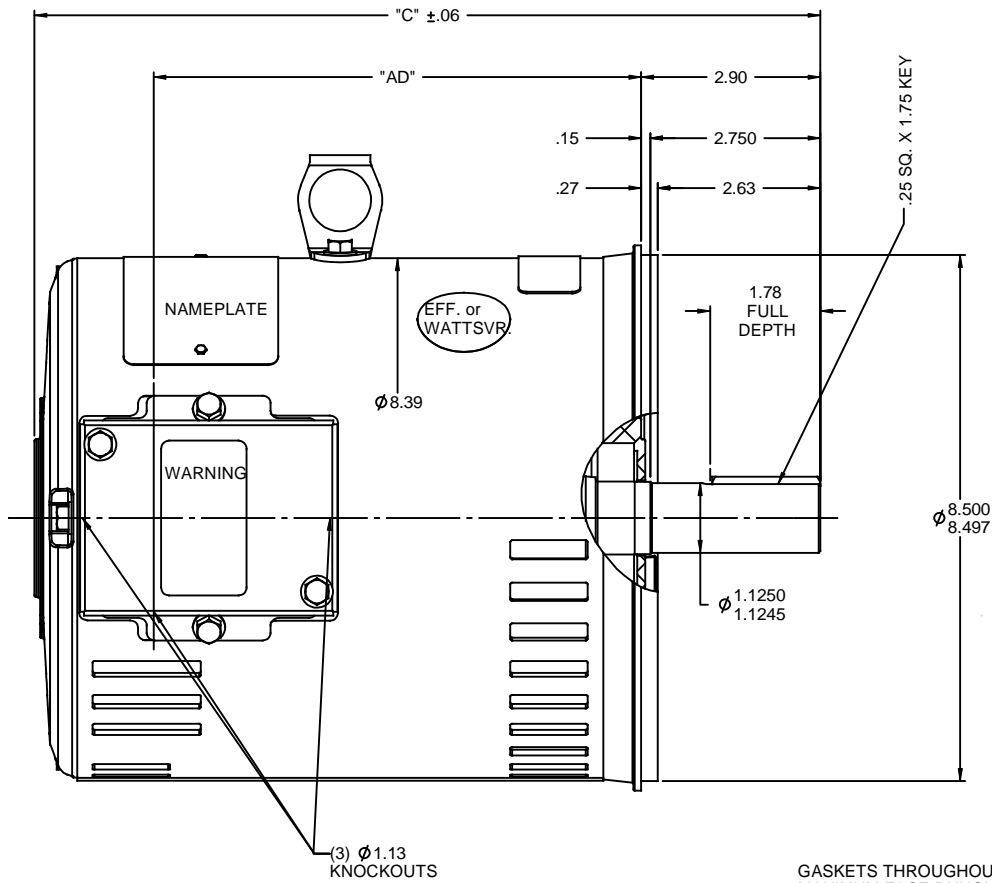
### Nameplate Specifications

|                            |            |                        |            |
|----------------------------|------------|------------------------|------------|
| Output HP                  | 2 Hp       | Output KW              | 1.5 kW     |
| Frequency                  | 60 Hz      | Voltage                | 230/460 V  |
| Current                    | 7.2/3.6 A  | Speed                  | 1182 rpm   |
| Service Factor             | 1.15       | Phase                  | 3          |
| Efficiency                 | 88.5 %     | Duty                   | Continuous |
| Insulation Class           | F          | Design Code            | B          |
| KVA Code                   | L          | Frame                  | 184TC      |
| Enclosure                  | Drip Proof | Overload Protector     | No         |
| Ambient Temperature        | 40 °C      | Drive End Bearing Size | 6206       |
| Opp Drive End Bearing Size | 6205       | UL                     | Recognized |
| CSA                        | Y          | CE                     | Y          |
| IP Code                    | 22         |                        |            |

### Technical Specifications

|                       |                             |                       |                 |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type       | Squirrel Cage Induction Run | Starting Method       | Across The Line |
| Poles                 | 6                           | Rotation              | Reversible      |
| Mounting              | Round                       | Motor Orientation     | HORIZONTAL      |
| Drive End Bearing     | BALL                        | Opp Drive End Bearing | BALL            |
| Frame Material        | Rolled Steel                | Shaft Type            | T               |
| Overall Length        | 15.20 in                    | Frame Length          | 11.00 in        |
| Shaft Diameter        | 1.125 in                    | Shaft Extension       | 2.75 in         |
| Assembly/Box Mounting | F1 ONLY                     |                       |                 |
| Outline Drawing       | 035344-1100                 | Connection Diagram    | 005010.01       |

RBC PROPRIETARY AND CONFIDENTIAL INFORMATION  
 This document is the property of REGAL BELOIT CORPORATION ("RBC") including its subsidiaries and divisions and contains proprietary information of RBC. This document is loaned on the express condition that neither it nor the information contained therein shall be disclosed to others without the express written consent of RBC, and that the information shall be used by the recipient only as approved expressly by RBC. This document shall be returned to RBC upon its request. This document may be subject to certain restrictions under U.S. export control laws and regulations.



GASKETS THROUGHOUT  
 MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.  
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

| DASH NO. | "C"   | "AD"  |
|----------|-------|-------|
| 850      | 12.70 | 7.88  |
| 900      | 13.20 | 8.38  |
| 950      | 13.70 | 8.88  |
| 1000     | 14.20 | 9.38  |
| 1050     | 14.70 | 9.88  |
| 1100     | 15.20 | 10.38 |
| 1150     | 15.70 | 10.88 |

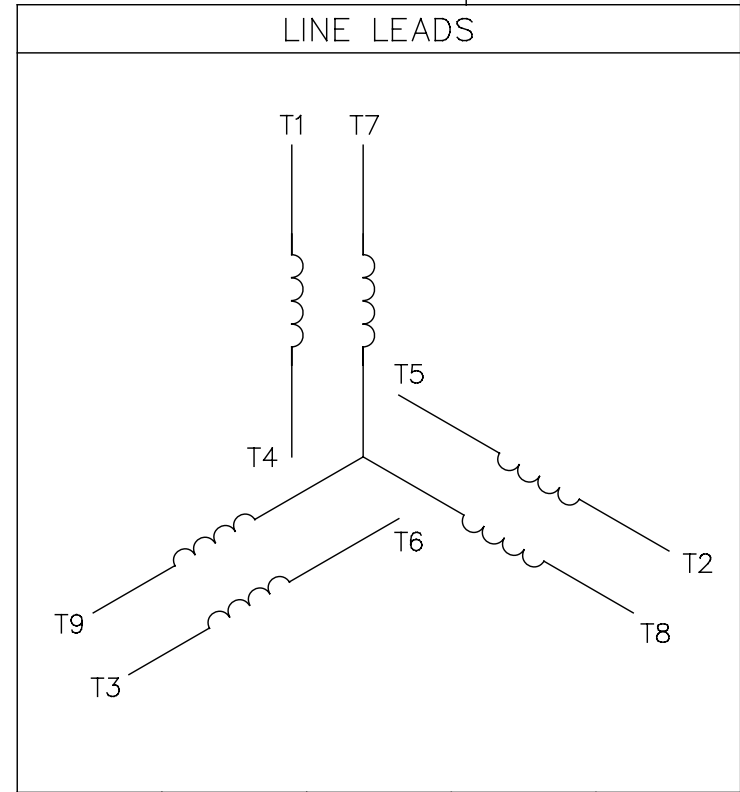
| REVISION                          |  | BY & DATE      | CHK | ANG | FINISH | SIZE | DRAWING NO | REV |
|-----------------------------------|--|----------------|-----|-----|--------|------|------------|-----|
| - UPDATED & REDRAWN TO SOLIDWORKS |  | LST 12/17/2009 | XX  | XXX | ±.0005 | B    | 035344     | -   |
| THIRD ANGLE PROJECTION            |  |                |     |     |        |      |            |     |



TOLERANCES UNLESS SPECIFIED:  
 DEC INCHES  
 X ±.1  
 .XX ±.03  
 .XXX ±.005  
 .XXX ±.0005  
 ANG ±1/2°  
 TITLE OUTLINE - 180TC FRAME  
 DRIP PROOF - "C" FACE  
 MATL  
 FINISH  
 DRAWN RDW 7/22/97  
 CHK PG 7/28/97  
 APPR  
 SCALE 1:2  
 REF 035326  
 FMF  
 PAGE OF

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

|  |                       |              |     |                                |          |   |           |                         |      |             |      |
|--|-----------------------|--------------|-----|--------------------------------|----------|---|-----------|-------------------------|------|-------------|------|
|  |                       |              |     | TOLERANCES<br>UNLESS SPECIFIED |          | <b>Regal Beloit America, Inc.</b>                         |           | DRAWN RDW 04/12/02      |      |             |      |
|  |                       |              |     | DEC.                           | INCHES   |   |           | CHK                     |      |             |      |
|  |                       |              |     | .X                             | ±.1      |   |           | APPD                    |      |             |      |
|  |                       |              |     | .XX                            | ±.01     |   |           | SCALE 1=1               |      |             |      |
|  |                       |              |     | .XXX                           | ±.005    | REF FIG.2-51  |           |                         |      |             |      |
| A  | UPDATED TO REGAL LOGO | SAJ 06/26/15 | AJY | .XXXX                          | ±.0005   | TITLE<br>EXTERNAL WIRING DIAGRAM<br>3 PHASE W/O PROTECTOR |           | MAT'L<br>DECAL - 004014 |      |             |      |
| NO.  | REVISION              | BY & DATE    | CHK | ANG                            | ±1/2"    | FINISH  |           | PREV                    |      |             |      |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT<br>IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED<br>THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT |                       |              |     | RFP                            | 04/12/02 | CAD FILE  |           | 00501001                | SIZE | DRAWING NO. | REV. |
|  |                       |              |     | DIST                           | BRF-NLV  | A   | 005010-01 | A                       |      |             |      |



P.O. BOX 8003  
WAUSAU, WI 54401-8003  
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01  
OUTLINE: 035344-1100  
WINDING: T8629

NONE 3

CAT #: 132427.00

TYPICAL MOTOR PERFORMANCE DATA

|    |              |                 |                   |                 |                 |                |           |        |                 |
|----|--------------|-----------------|-------------------|-----------------|-----------------|----------------|-----------|--------|-----------------|
| HP | KW           | SYNC RPM        | FL RPM            | FRAME           | ENCLOSURE       | TYPE           | KVA CODE  | DESIGN |                 |
| 2  | 1.5          | 1200            | 1182              | 184TC           | DP              | TDW            | L         | B      |                 |
| PH | HZ           | VOLTS           | AMPS              | START TYPE      | DUTY            | INSL           | S.F.      | AMB    | ELEV.           |
| 3  | 60/50        | 230/460#190/380 | 7.15/3.68/2.2/3.6 | ACROSS THE LINE | CONT            | F              | 1.15      | 40     | 3300            |
|    | F.L. EFF     | 88.5            | 3/4 LD EFF        | 87.5            | 1/2 LD EFF      | 84.6           | GTD EFF   | 85.5   | ELECT. TYPE     |
|    | F.L. PF      | 59.0            | 3/4 LD PF         | 50.6            | 1/2 LD PF       | 38.8           | 85.5      |        | SQ CAGE IND RUN |
|    | F.L. TORQUE  | LR AMPS @ 460 V | L.R. TORQUE       |                 | B.D. TORQUE     | F.L. RISE (°C) |           |        |                 |
|    | 8.9 LB-FT    | 24.5            | 19.5 LB-FT        | 219%            | 36.0 LB-FT      | 404%           | 30        |        |                 |
|    | PRESSURE @ 3 | POWER           | ROTOR WK²         | MAX. LOAD WK²   | SAFE STALL TIME | STARTS/HOUR    | MOTOR WGT |        |                 |
|    | 0 DBA        | 9 DBA           | 0.56 LB-FT²       | 0.6 LB-FT²      | 10 SEC.         | 0              | 0 LB.     |        |                 |

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

|                 |                  |            |                   |             |                    |                          |                |                  |
|-----------------|------------------|------------|-------------------|-------------|--------------------|--------------------------|----------------|------------------|
| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | MOTOR ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIIP COVER              | SCREENS        | PAINT            |
| C-FACE          | STANDARD         | ROUND      | HORIZONTAL        | NO          | NONE               | NO                       | NONE           | JE-LEESON (ENAM) |
| BEARINGS        | GREASE           | SHAFT TYPE | SPECIAL DE        | SPECIAL ODE | SHAFT              | MATERIAL                 | FRAME MATERIAL |                  |
| DE ODE          | BALL             | POLYREX EM | T                 | NONE        | NONE               | 1144 STRESSPROOF (C-223) | ROLLED STEEL   |                  |
| 6206            | 6205             |            |                   |             |                    |                          |                |                  |

|              |              |              |              |              |                    |               |
|--------------|--------------|--------------|--------------|--------------|--------------------|---------------|
| THERMOSTATS  | PROTECTORS   | WDG RTD's    | BRG RTD's    | THERMISTORS  | CONTROL            | SPACE HEATERS |
| NONE         | NOT          | NONE         | NONE         | NONE         | FALSE              | NA            |
| R1 (ohms/ph) | R2 (ohms/ph) | X1 (ohms/ph) | X2 (ohms/ph) | Xm (ohms/ph) | VIBRATION (in/sec) | FLOAT         |
| 0            | 0            | 0            | 0            | 0            | 0.150              | ODE           |

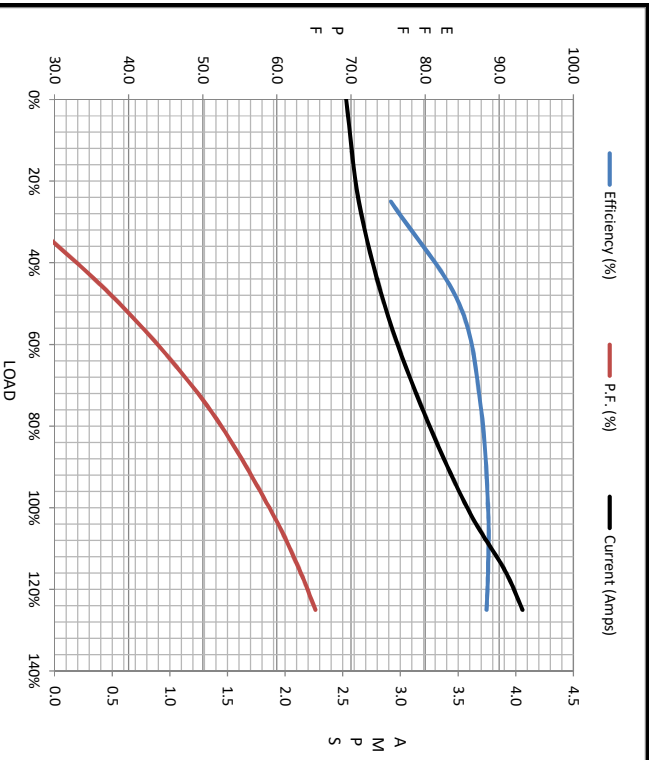
|               |                       |                           |
|---------------|-----------------------|---------------------------|
| * N O T E S * | INVERTER TORQUE: NONE | INV. HP SPEED RANGE: NONE |
|               | ENCODER: NONE         |                           |
|               | BRAKE: NONE           |                           |
|               | FT-LB: NONE           | NA                        |
|               | VOLTAGE: NONE         | NONE                      |
|               | UL: Y-(LEESON UL REC) |                           |

|       |           |     |
|-------|-----------|-----|
| DATE: | 1/19/2018 | HZ: |
|-------|-----------|-----|



| Motor Load Data |      |      |      |      |      |       |      |      |  |
|-----------------|------|------|------|------|------|-------|------|------|--|
| Load            | 0%   | 25%  | 50%  | 75%  | 100% | 115%  | 125% | LR   |  |
| Current (Amps)  | 2.53 | 2.64 | 2.86 | 3.2  | 3.6  | 3.9   | 4.1  | 24.5 |  |
| Torque (ft-lb)  | 0.00 | 2.21 | 4.4  | 6.7  | 8.9  | 10.1  | 11.2 | 19.5 |  |
| RPM             | 1200 | 1196 | 1192 | 1186 | 1182 | 1,180 | 1176 | 0    |  |
| Efficiency (%)  |      | 75.4 | 84.6 | 87.5 | 88.5 | 88.5  | 88.3 |      |  |
| P.F. (%)        | 7.4  | 23.7 | 38.8 | 50.6 | 59.0 | 63.0  | 65.2 | 0.0  |  |

| Motor Speed Data |         |      |       |      |      | Information Block |           |       |           |              |                 |           |        |                |                |                |      |         |           |                             |         |                     |            |             |             |                            |    |        |        |        |        |        |  |  |
|------------------|---------|------|-------|------|------|-------------------|-----------|-------|-----------|--------------|-----------------|-----------|--------|----------------|----------------|----------------|------|---------|-----------|-----------------------------|---------|---------------------|------------|-------------|-------------|----------------------------|----|--------|--------|--------|--------|--------|--|--|
| LR               | Pull-Up | BD   | Rated | Idle |      | HP                | Sync. RPM | Frame | Enclosure | Construction | Voltage         | Frequency | Design | LR Code letter | Service Factor | Temp Rise @ FL | Duty | Ambient | Elevation | Rotor/Shaft wk <sup>2</sup> | Ref Wdg | Sound Pressure @ 1M | VFD Rating | Outline Dwg | Conn. Diag  | Additional Specifications: | R1 | R2     | X1     | X2     | Xm     |        |  |  |
| 0                | 100     | 1000 | 1182  | 1200 |      | 2.0               | 1200      | 180   | DP        | TDW          | 230/460#190/380 | 60        | B      | L              | 1.15           | 30             | CONT | 40 °C   | 1,000     | 0.56                        | NONE    | 0                   | dB(A)      | NONE        | 035344-1100 | 005010.01                  |    | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |  |  |
| Current (Amps)   | 24.5    | 22.5 | 14.7  | 3.6  | 2.53 |                   |           |       |           |              |                 |           |        |                |                |                |      |         |           |                             |         |                     |            |             |             |                            |    |        |        |        |        |        |  |  |
| Torque (ft-lb)   | 19.5    | 19.0 | 36.0  | 8.9  | 0.00 |                   |           |       |           |              |                 |           |        |                |                |                |      |         |           |                             |         |                     |            |             |             |                            |    |        |        |        |        |        |  |  |



| LR             | Pull-Up | BD   | Rated | Idle |
|----------------|---------|------|-------|------|
| 0              | 100     | 1000 | 1182  | 1200 |
| Current (Amps) | 24.5    | 22.5 | 14.7  | 3.6  |
| Torque (ft-lb) | 19.5    | 19.0 | 36.0  | 8.9  |
| Efficiency (%) |         | 75.4 | 84.6  | 87.5 |
| P.F. (%)       | 7.4     | 23.7 | 38.8  | 50.6 |

