# PRODUCT INFORMATION PACKET

Model No: C184T48FB62C

Catalog No: 131469.00

5/1.2HP..1740/860RPM.184.TEFC./230V.3PH.60HZ.CONT.NOT.40C.1.0SF.RIGID.TWO-SPEED.C184T48FB62C

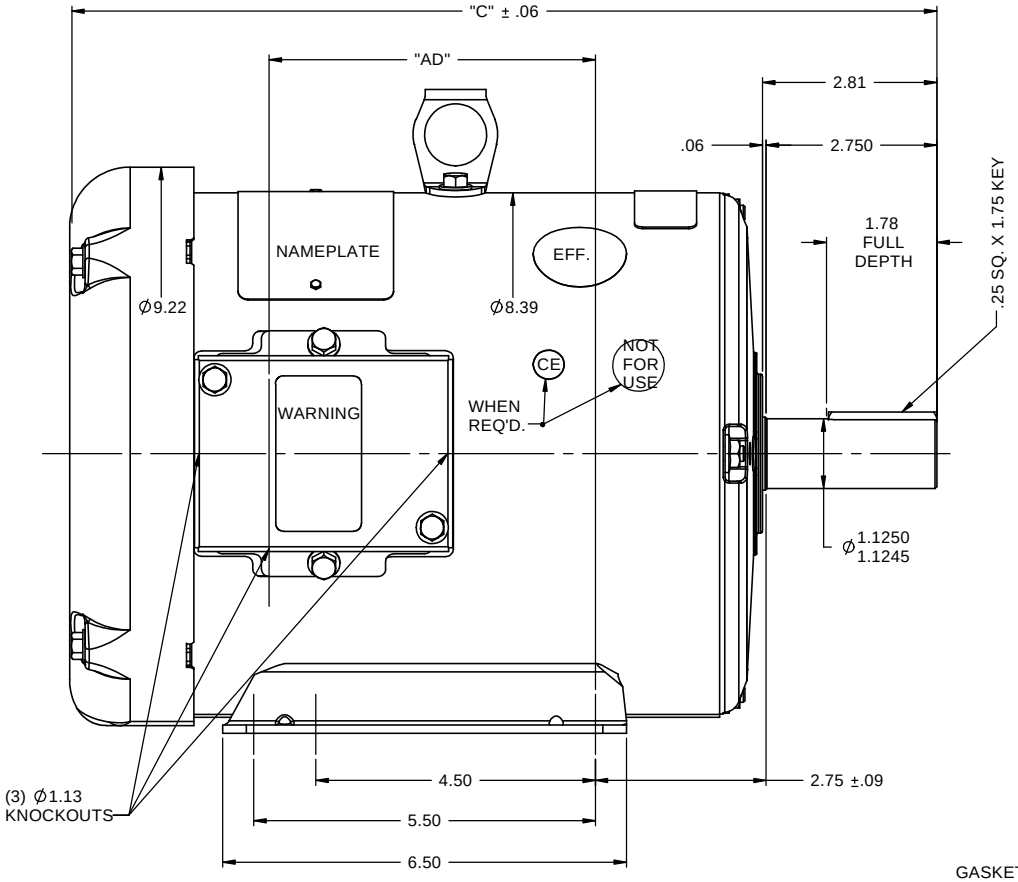
2 Speed

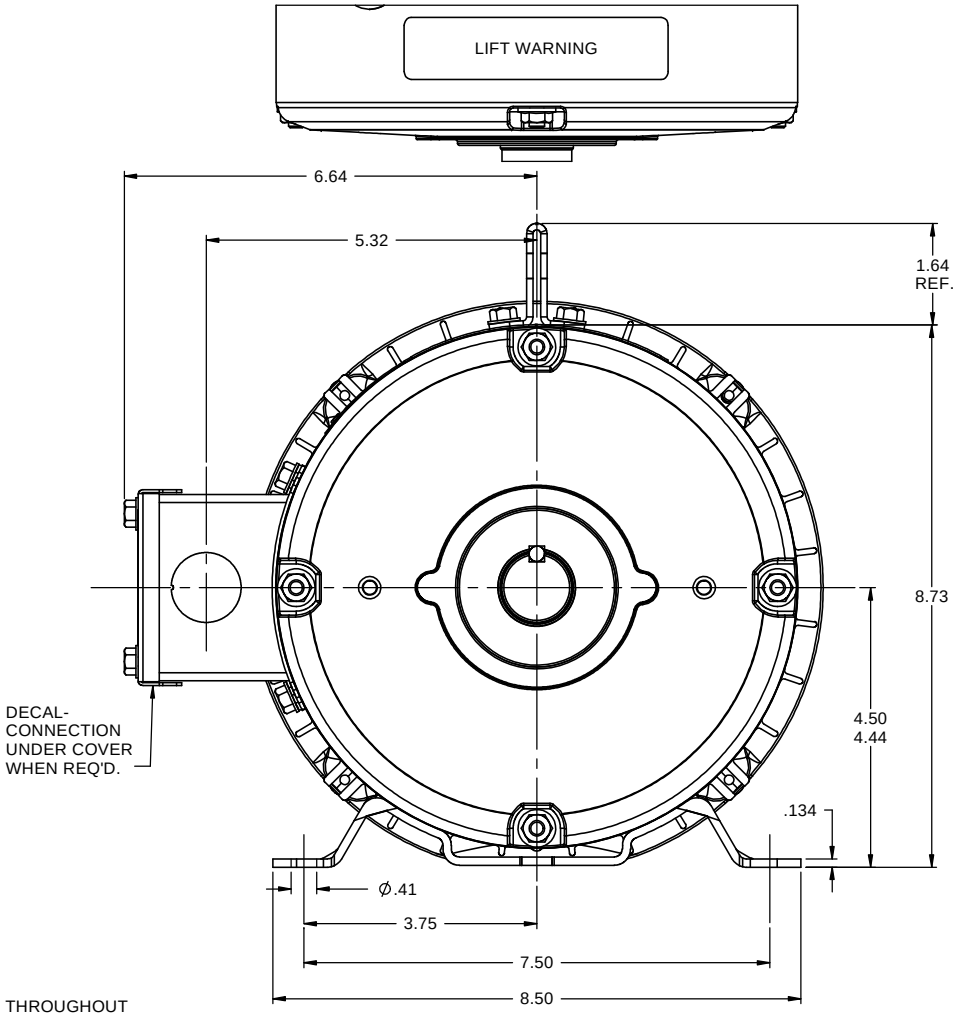
## Nameplate Specifications

| | | | |
|---|---|---|---|
| Output HP | **5 Hp** | Output KW | **3.7 kW** |
| Frequency | **60 Hz** | Voltage | **208-230 V** |
| Current | **13.0 A** | Speed | **1740 rpm** |
| Service Factor | **1** | Phase | **3** |
| Efficiency | **84 %** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **1VT** |
| KVA Code | **J** | Frame | **184T** |
| Enclosure | **Totally Enclosed Fan Cooled** | Overload Protector | **No** |
| Ambient Temperature | **40 °C** | Drive End Bearing Size | **6206** |
| Opp Drive End Bearing Size | **6205** | 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 | **T** |
| Overall Length | **15.96 in** | Frame Length | **10.50 in** |
| Shaft Diameter | **1.125 in** | Shaft Extension | **2.75 in** |
| Assembly/Box Mounting | **F1 ONLY** | | |
| Outline Drawing | **035465-1050** | Connection Diagram | **005200.01** |




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 |

| NO | REVISION | BY & DATE | CHK |
|---|---|---|---|
| 02 | REV TO MATCH ORACLE | LST 8/13/2010 | XX |
| - | UPDATE & REDRAWN IN SOLIDWORKS | LST 12/10/2009 | XX |

TOLERANCES UNLESS SPECIFIED
DEC INCHES
.X ±.1
.XX ±.03
.XXX ±.005
.XXXX ±.0005
ANG ±1/2°

REGAL-BELOIT CORPORATION

DRAWN MGM 2/21/03
CHK
APPR RDW 2/21/03
SCALE 1:2
REF 035450
FMF
PAGE OF

TITLE OUTLINE - 180T FRAME
TEFC - RIGID
MAT'L GENERAL PURPOSE
FINISH

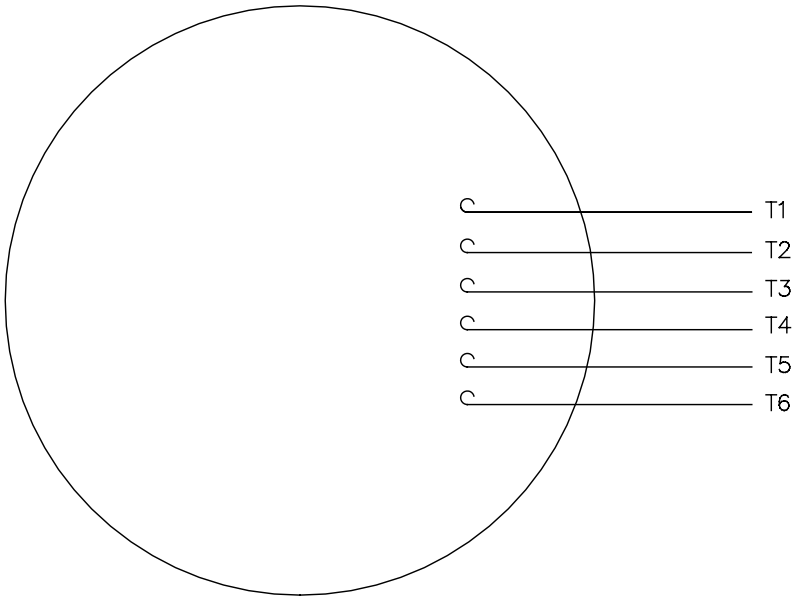
THIRD ANGLE PROJECTION

RFP
PREV
NETWORK FILE NAME 035465

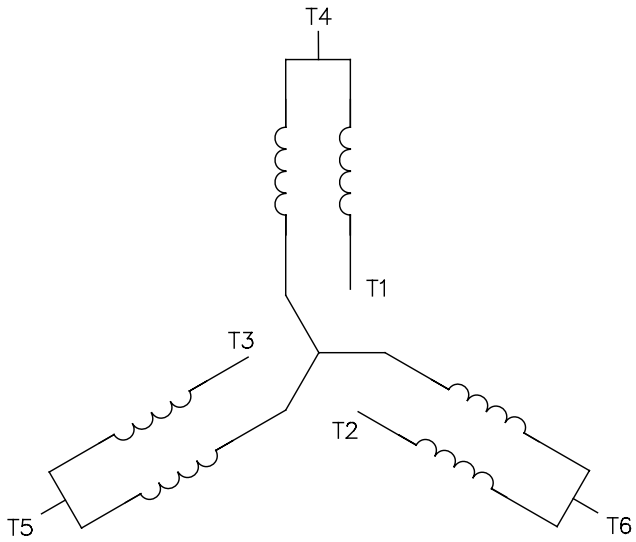
SIZE B
DRAWING NO 035465
REV 02

005200-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.




## LINE LEADS




| SPEED | L1 | L2 | L3 | JOIN | SEPARATE |
|---|---|---|---|---|---|
| HIGH | T6 | T4 | T5 | (T1,T2,T3) | |
| LOW | T1 | T2 | T3 | | (T4)(T5) (T6) |

| NO. | REVISION | BY | DATE |
|---|---|---|---|
| 04 | SPEED WAS VOLTAGE | EPB | 1/17/00 |
| 03 | REDRAWN TO CURRENT STANDARDS | DBT | 05/30/97 |

TOLERANCES UNLESS OTHERWISE SPECIFIED

DECIMALS

| | |
|---|---|
| .00 | ± .01 |
| .000 | ± .005 |
| .0000 | ± .0005 |
| FRACTIONS | ± 1/64 |
| ANGLES | ± 1/2° |
| INCH/MM | |

DRAWN PG 08/08/83
CH'K'D. DLL 08/09/83
APPR. KG 08/09/83
SCALE 1=1
REF. 080066
FMF 83648D1

REGAL™ Regal Beloit America, Inc.

TITLE: EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR

MAT'L.: DECAL – 004183/080066
2 SPEED 1 WDG. VARIABLE TORQUE MOTOR

FINISH

SIZE: A

DRAWING NO.: 005200-01

# Data Sheet

**Date:** 1/24/2018

131469.00

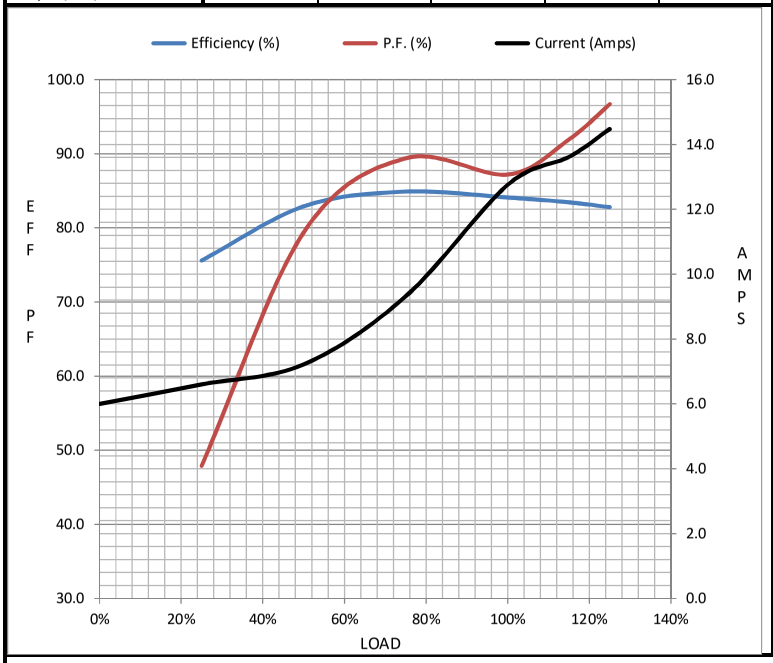
Data @ 230 V

## Motor Load Data

| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR | |
|---|---|---|---|---|---|---|---|---|---|
| Current (Amps) | 6.0 | 6.6 | 7.2 | 9.3 | 12.8 | 13.6 | 14.5 | 106 | |
| Torque (ft-lb) | 0.00 | 3.8 | 7.5 | 11.3 | 15.0 | 16.9 | 18.8 | 42.1 | |
| RPM | 1800 | 1788 | 1777 | 1764 | 1750 | 1,744 | 1735 | 0 | |
| Efficiency (%) | | 75.6 | 82.9 | 84.9 | 84.1 | 83.5 | 82.8 | | |
| P.F. (%) | 0.0 | 47.9 | 79.4 | 89.4 | 87.2 | 92.0 | 96.7 | 0.0 | |

## Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|---|---|---|---|---|---|
| Speed (RPM) | 0 | 900 | 1656 | 1750 | 1800 |
| Current (Amps) | 106 | 97.5 | 63.6 | 12.8 | 6.0 |
| Torque (ft-lb) | 42.1 | 34.7 | 48.3 | 15.0 | 0.00 |




## Information Block

| | | |
|---|---|---|
| HP | 5.0 | |
| Sync. RPM | 1800 | |
| Frame | 0 | |
| Enclosure | TEFC | |
| Construction | NA | |
| Voltage | 208-230 | V |
| Frequency | 60 | Hz |
| Design | B | |
| LR Code letter | J | |
| Service Factor | 1.15 | |
| Temp Rise @ FL | 0 | ° C |
| Duty | CONT | |
| Ambient | 40 | ° C |
| Elevation | 1,000 | feet |
| Rotor/Shaft wk² | -1.00 | Lb-Ft² |
| Ref Wdg | T8(4-8)8 FR | |
| Sound Pressure @ 1M | 0 | dBA |
| VFD Rating | NONE | |
| Outline Dwg | 035465-1050 | |
| Conn. Diag | 005200.01 | |

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

| R1 | R2 | X1 | X2 | Xm |
|---|---|---|---|---|
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |