

PRODUCT INFORMATION PACKET



Model No: C4T17FC33A

Catalog No: 102696.00

..1/3HP..1725/1425RPM.S56C.TEFC.208-

230/460V.3PH.60/50HZ.CONT.40C.1.25/1.25SF.ROUND.C4T17FC33A.....WATTS AVER.NOT....0.25&0.25k
W...

Totally Enclosed Fan Cooled (TEFC)



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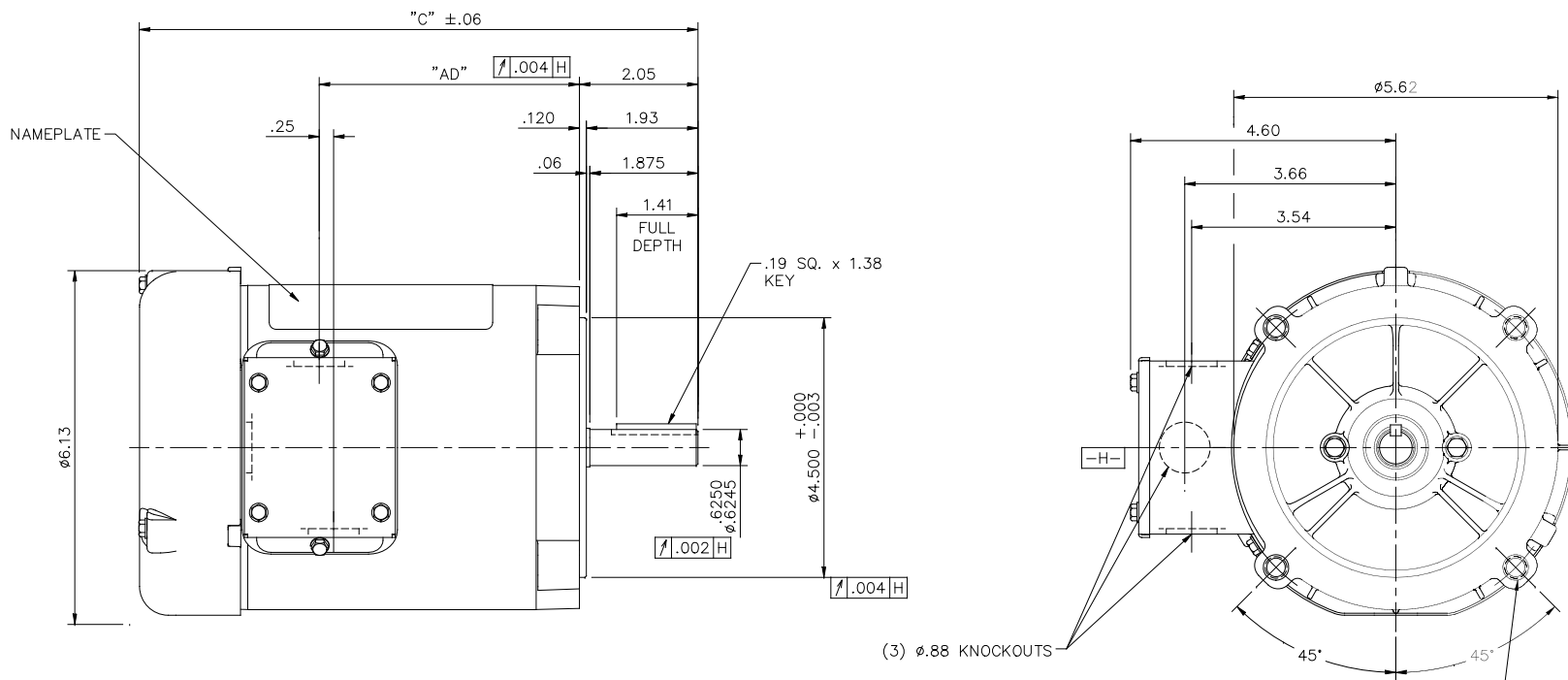
Nameplate Specifications

| | | | |
|----------------------------|-----------------------------|------------------------|----------------|
| Output HP | 0.33 Hp | Output KW | 0.25 kW |
| Frequency | 60 Hz | Voltage | 208-230/460 V |
| Current | 1.3/0.65 A | Speed | 1725 rpm |
| Service Factor | 1.25 | Phase | 3 |
| Efficiency | 77 % | Duty | Continuous |
| Insulation Class | F | Design Code | NO DESIGN CODE |
| KVA Code | M | Frame | S56C |
| Enclosure | Totally Enclosed Fan Cooled | Overload Protector | No |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6203 |
| Opp Drive End Bearing Size | 6203 | UL | Recognized |
| CSA | Y | CE | Y |
| IP Code | 43 | | |

Technical Specifications

| | | | |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 4 | 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 | 10.19 in | Frame Length | 5.50 in |
| Shaft Diameter | 0.625 in | Shaft Extension | 1.88 in |
| Assembly/Box Mounting | F1 ONLY | | |
| Outline Drawing | 031637-550 | Connection Diagram | 005010.20 |


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| DASH NO. | "C" | "AD" |
|----------|-------|------|
| 475 | 9.44 | 4.25 |
| 500 | 9.69 | 4.50 |
| 525 | 9.94 | 4.75 |
| 550 | 10.19 | 5.00 |
| 575 | 10.44 | 5.25 |
| 600 | 10.69 | 5.50 |
| 625 | 10.94 | 5.75 |
| 650 | 11.19 | 6.00 |
| 675 | 11.44 | 6.25 |
| 700 | 11.69 | 6.50 |
| 725 | 11.94 | 6.75 |
| 750 | 12.19 | 7.00 |

3/8-16 UNC 2B TAP x .56 DEEP
(4) REQ'D. ON A Ø5.875 B.C.

GASKETS THROUGHOUT

| | | | | | | | | | |
|--|--|--|--|-----------------------------|---------|---|--------|------------------|-------------|
| | | | | TOLERANCES UNLESS SPECIFIED | |  Regal Beloit America, Inc. | | DRAWN PG 7/12/01 | |
| | | | | DEC. | INCHES | | | CHK | |
| | | | | .X | ±.1 | | | APPD PG 7/12/01 | |
| | | | | .XX | ±.03 | TITLE | | SCALE 1=2 | |
| 02 ADDED DASH NO. 475 TO TABLE (102184.00) | | | | PG | 9/19/02 | OUTLINE - S56C FRAME | | REF | |
| 01 REVISED CALLOUT FOR GD&T | | | | KMM | 6/6/02 | "C" FACE MOUNT - TEFC | | FMF | |
| NO. REVISION | | | | BY & DATE | CHK | ANG | MAT'L | PREV | |
| | | | | RFP | ANG | ±1/2" | FINISH | | |
| 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 | | | | CAD FILE | | 031637 | | SIZE | DRAWING NO. |
| | | | | DIST | | | | B | 031637 |
| | | | | | | | | | 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

REGAL™ Regal Beloit America, Inc.

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 | |



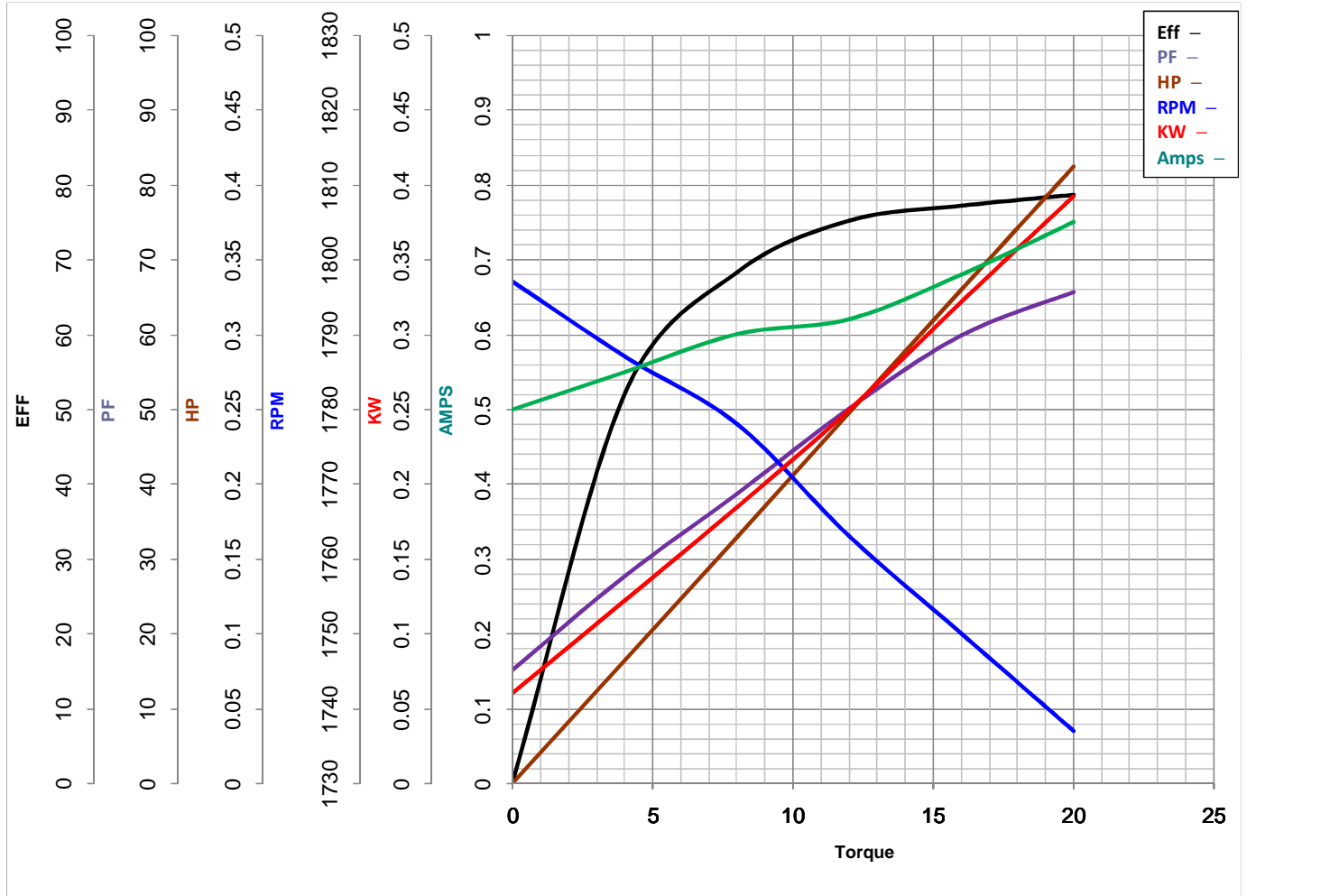
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 102696.00

Catalog No 102696.00

Curve at 460 Volts HP 0.33&0.33 PHASE 3
60 HZ
0.33 HP VOLTS 208-230/460&190/380

HZ 60&50 RPM 1725&1425



FL TORQUE 16 Oz.Ft
 BD TORQUE 90.4 Oz.Ft
 LR TORQUE 78.6 Oz.Ft

FL AMPS 1.3/.65
 PU TORQUE 76.3 Oz.Ft
 LR AMPS 4.62

WINDING TE48462-3

Date 5/21/2018