# PRODUCT INFORMATION PACKET

Model No: C100T17FZ41A
Catalog No: 193301.60
..3HP-2.2kW..1750RPM.DF100L.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.B3.....
TEFC

**Product Information Packet: Model No: C100T17FZ41A, Catalog No:193301.60 ..3HP-2.2kW..1750RPM.DF100L.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.B3.....**

## Nameplate Specifications

| | | | |
|---|---|---|---|
| Output HP | **3 Hp** | Output KW | **2.2 kW** |
| Frequency | **60 Hz** | Voltage | **230/460 V** |
| Current | **8.0/4.0 A** | Speed | **1770 rpm** |
| Service Factor | **1.15** | Phase | **3** |
| Efficiency | **90.2 %** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **B** |
| KVA Code | **J** | Frame | **100L** |
| 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 | **Y** |
| IP Code | **55** | | |

## Technical Specifications

| | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Line Or Inverter** |
| Poles | **4** | Rotation | **Reversible** |
| Mounting | **Rigid base** | Motor Orientation | **HORIZONTAL** |
| Drive End Bearing | **BALL** | Opp Drive End Bearing | **BALL** |
| Frame Material | **Cast Iron** | Shaft Type | **IEC** |
| Overall Length | **16.33 in** | Shaft Diameter | **1.125 in** |
| Shaft Extension | **2.36 in** | Assembly/Box Mounting | **F3** |
| Outline Drawing | **B-SS622236** | Connection Diagram | **005465.01** |

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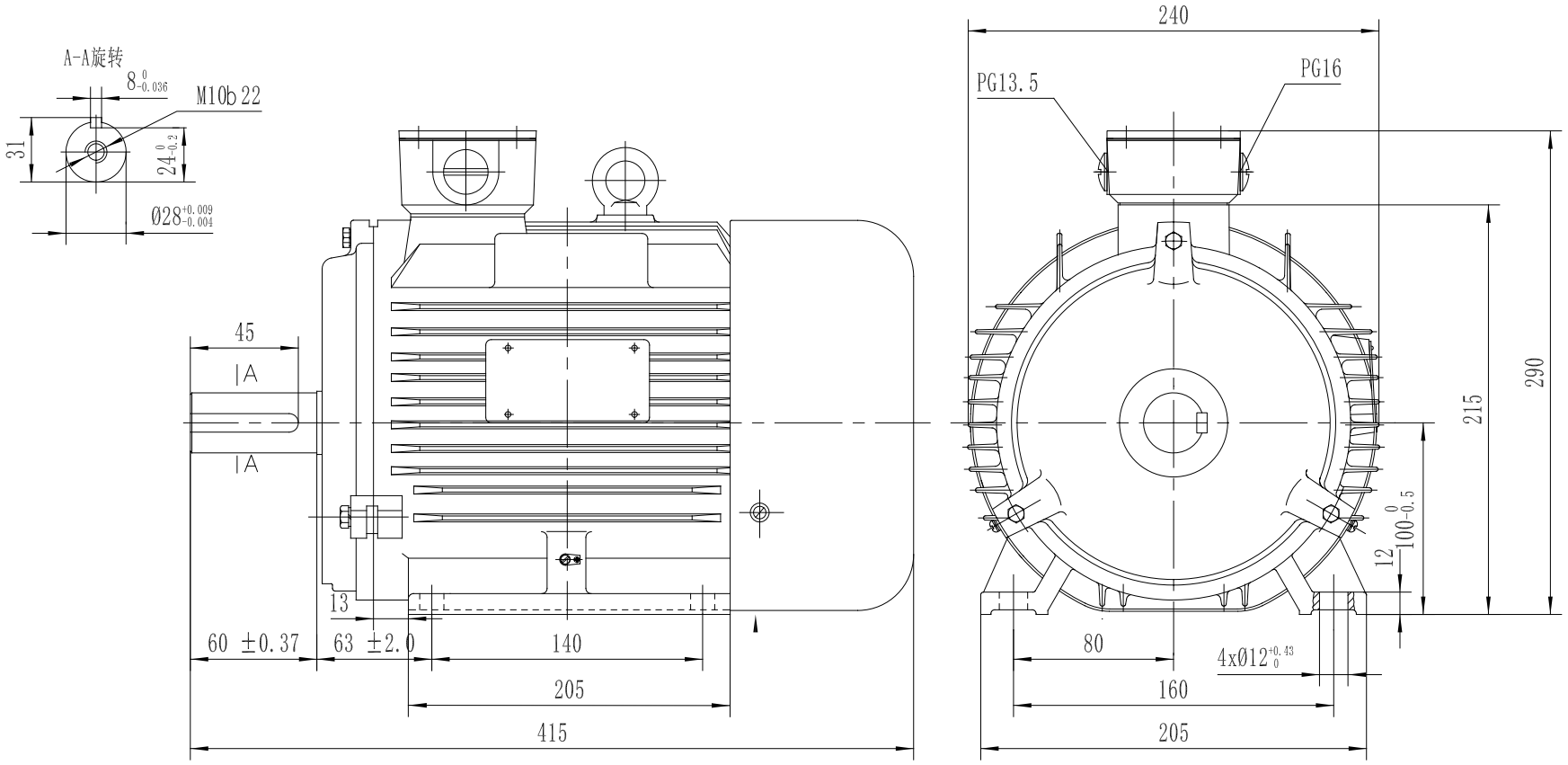
SS622236




| | |
|---|---|
| DF100L-2R | 193303.60 |
| DF100L1-4R | 193301.60 |
| DF100L2-4R | 193304.60 |
| DF100L-6R | 193300.60 |
| FRAME | PART # |

| NO. | REVISION | BY & DATE | CHK |
|---|---|---|---|
| | | | |

TOLERANCES UNLESS SPECIFIED

| DEC. | INCHES |
|---|---|
| .X | ±.1 |
| .XX | ±.03 |
| .XXX | ±.005 |
| .XXXX | ±.0005 |
| ANG | ±1/2 |

REGAL Regal-Beloit Corporation

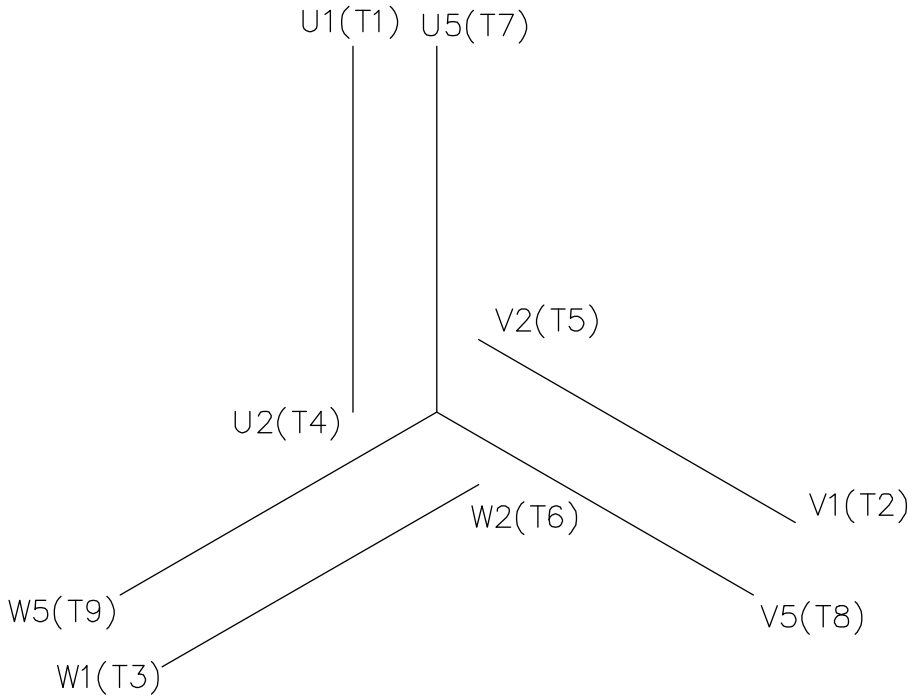
TITLE: OUTLINE

DRAWN | CHK | APPD | SCALE | REF | FMF | PREV | FINISH | CAD FILE | RFP | DIST | MAT'L.



| SIZE | DRAWING NO. | REV. |
|---|---|---|
| B | SS622236 | |

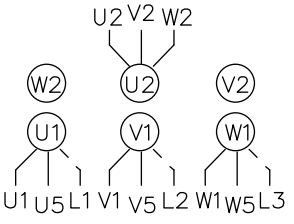
005465-01



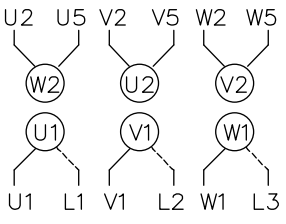

REF. DECAL (IEC) 080644
REF. DECAL (NEMA) 080446

## IEC MARKINGS

LOW VOLTAGE



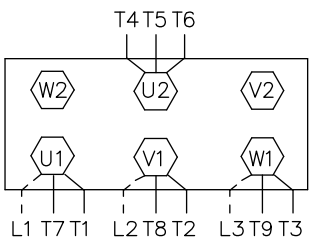

HIGH VOLTAGE



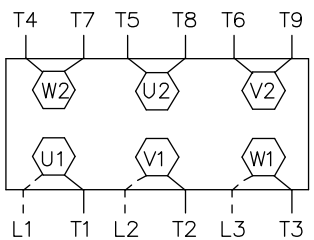

| LINE VOLTAGE | L1 | L2 | L3 | JOIN | | |
|---|---|---|---|---|---|---|
| TERMINAL | U1 | V1 | W1 | W2 | U2 | V2 |
| LOW | U1,U5 | V1,V5 | W1,W5 | --- | U2,V2,W2 | --- |
| HIGH | U1 | V1 | W1 | U2,U5 | V2,V5 | W2,W5 |

## NEMA MARKINGS

LOW VOLTAGE




HIGH VOLTAGE




| LINE VOLTAGE | L1 | L2 | L3 | JOIN | | |
|---|---|---|---|---|---|---|
| TERMINAL | U1 | V1 | W1 | W2 | U2 | V2 |
| LOW | T1, T7 | T2, T8 | T3, T9 | --- | T4,T5,T6 | --- |
| HIGH | T1 | T2 | T3 | T4, T7 | T5, T8 | T6, T9 |

| NO. | REVISION | BY & DATE | CHK |
|---|---|---|---|
| 01 | NEMA LV CONNECTION WAS INCORRECT | RLW 8/4/03 | |

TOLERANCES UNLESS SPECIFIED

| DEC. | INCHES |
|---|---|
| .X | ±.1 |
| .XX | ±.01 |
| .XXX | ±.005 |
| .XXXX | ±.0005 |
| ANG | ±1/2° |

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE EXTERNAL WIRING DIAGRAM
3 PHASE – DUAL VOLTAGE – W/TERM BLOCK

MAT'L. IEC/NEMA MARKINGS

FINISH THERMAL TRANSFER

CAD FILE 00546501

RFP

DIST

DRAWN MGM 12/3/02
CHK
APPD
SCALE 1=1
REF 00537703
FMF
PREV

SIZE A | DRAWING NO. 005465-01 | REV. 01

# Data Sheet

**Date:** 2/1/2018

193301.60

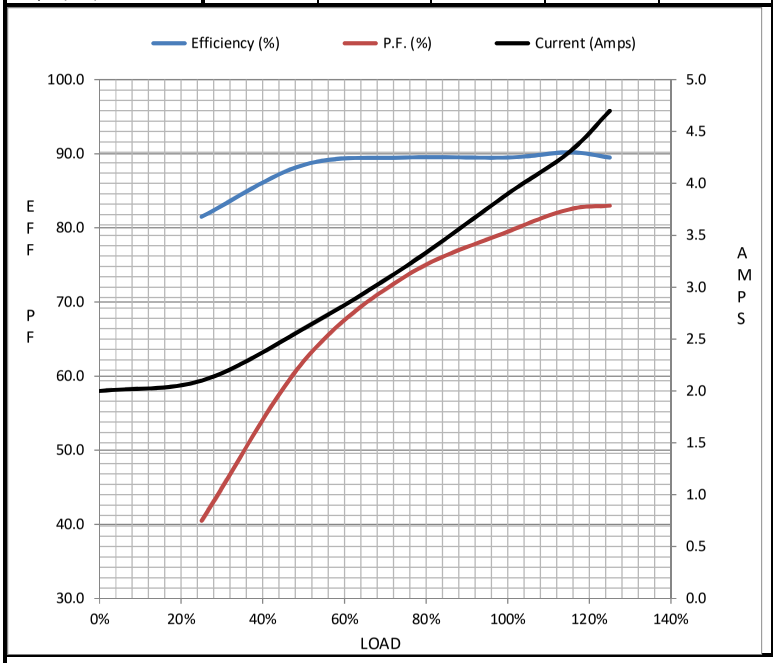
Data @ 460 V

## Motor Load Data

| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR | |
|---|---|---|---|---|---|---|---|---|---|
| Current (Amps) | 2.00 | 2.10 | 2.60 | 3.2 | 3.9 | 4.3 | 4.7 | 29.4 | |
| Torque (ft-lb) | 0.00 | 2.20 | 4.4 | 6.7 | 8.9 | 10.3 | 11.2 | 19.5 | |
| RPM | 1800 | 1795 | 1785 | 1775 | 1770 | 1,765 | 1760 | 0 | |
| Efficiency (%) | | 81.5 | 88.5 | 89.5 | 89.5 | 90.2 | 89.5 | | |
| P.F. (%) | 7.5 | 40.5 | 62.0 | 73.5 | 79.5 | 82.5 | 83.0 | 36.0 | |

## Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|---|---|---|---|---|---|
| Speed (RPM) | 0 | 375 | 1575 | 1770 | 1800 |
| Current (Amps) | 29.4 | 26.0 | 18.3 | 3.9 | 2.00 |
| Torque (ft-lb) | 19.5 | 15.0 | 32.7 | 8.9 | 0.00 |




## Information Block

| | | |
|---|---|---|
| HP | 3.0 | |
| Sync. RPM | 1800 | |
| Frame | 182 | |
| Enclosure | TEFC | |
| Construction | TFC | |
| Voltage | 230/460#200/400 | V |
| Frequency | 60 | Hz |
| Design | B | |
| LR Code letter | J | |
| Service Factor | 1.15 | |
| Temp Rise @ FL | 28 | ° C |
| Duty | CONT | |
| Ambient | 40 | ° C |
| Elevation | 1,000 | feet |
| Rotor/Shaft wk² | 0.34 | Lb-Ft² |
| Ref Wdg | T08704010 NONE | |
| Sound Pressure @ 1M | 999 | dBA |
| VFD Rating | CONSTANT 10:1 | |
| Outline Dwg | B-SS622236 | |
| Conn. Diag | 005465.01 | |

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

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

## Speed -Torque Curve