# PRODUCT INFORMATION PACKET

Model No: 193336.60
Catalog No: 193336.60
LEESON® PASSPORT 4 HP General Purpose, 3 phase, 3600 RPM, 230/460 V, 100L Frame, TEFC

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## Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | 3 | Output HP | 4 & 3 Hp |
| Output KW | 3.0 & 2.2 kW | Voltage | 230/460 & 200/400 V |
| Speed | 3520 & 2938 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 100L | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | Thermostat | Efficiency | 89.5 & 89.5 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 9.2/4.6 & 8.2/4.1 A | Power Factor | 90 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | J |
| Drive End Bearing Size | 6206 | Opp Drive End Bearing Size | 6206 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 55 |
| Number of Speeds | 1 | | |

## Technical Specifications

| | | | |
|---|---|---|---|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
| Poles | 2 | Rotation | Reversible |
| Resistance Main | 3.865 Ohms | 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-SS622286 | Connection Drawing | 005465.01 |

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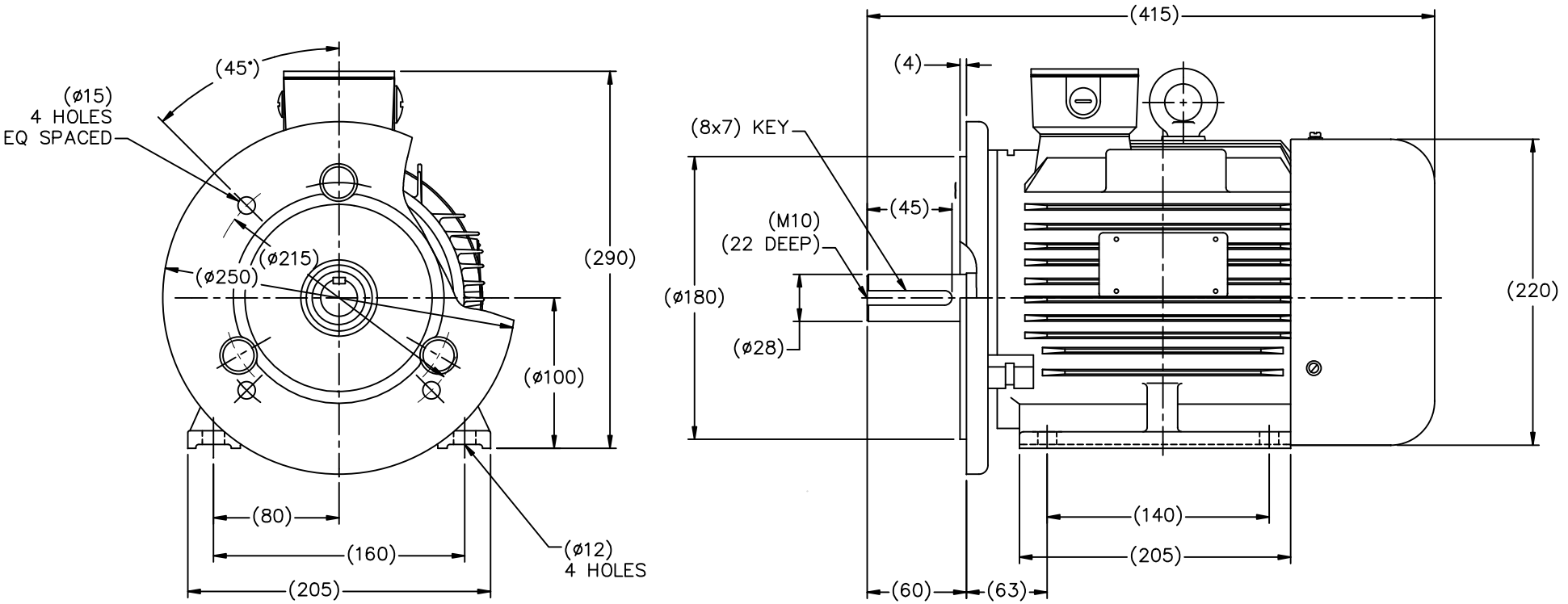


| Cat.No | FRAME |
|---|---|
| 193336.60 | DF100LD-2R |
| 193334.60 | DF100LD1-4R |
| 193337.60 | DF100LD2-4R |
| 193333.60 | DF100LD-6R |

(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

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

TOLERANCES UNLESS SPECIFIED

| DEC. | INCHES |
|---|---|
| .X | ±.1 |
| .XX | ±.03 |
| .XXX | ±.005 |
| .XXXX | ±.0005 |
| ANG | ±7'30" |

REGAL-BELOIT CORPORATION

DRAWN HLB 03-01-2011
CHK MSG 03-01-2011
APPD SB 03-01-2011
SCALE 3=8
REF
FMF HEBEI
PREV

TITLE OUTLINE
DF100LD-R

MAT'L.
FINISH

RFP 03-01-2011
CAD FILE SS622286
DIST

SIZE B
DRAWING NO. SS622286
PAGE OF
REV.

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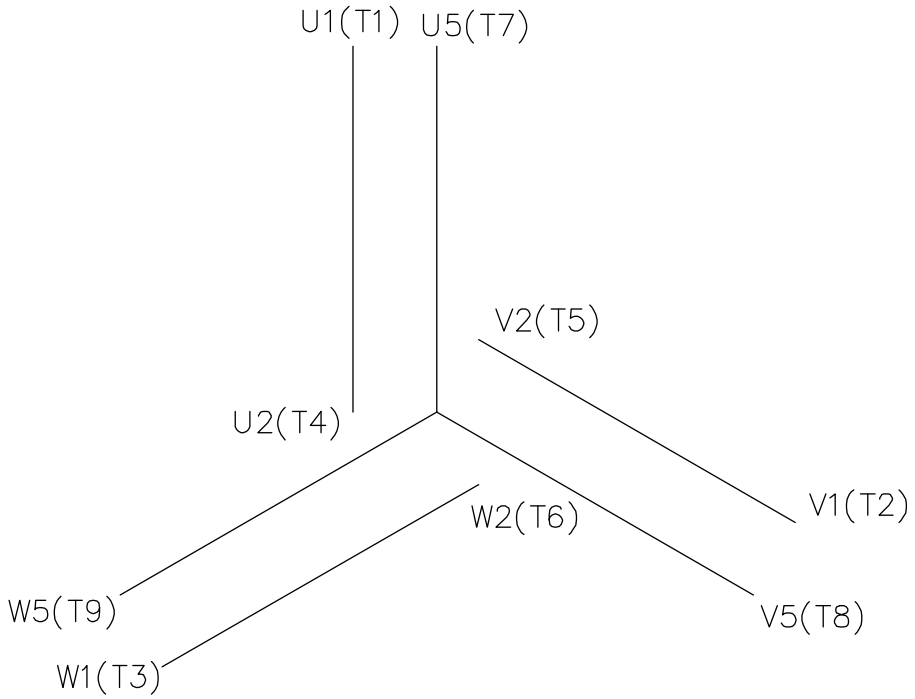
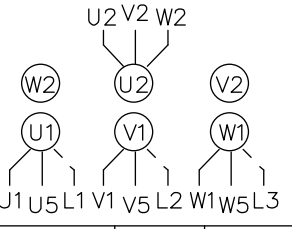


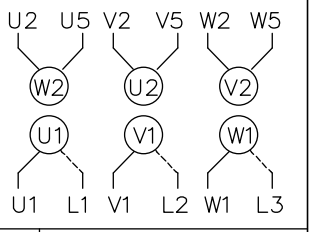

REF. DECAL (IEC) 080644
REF. DECAL (NEMA) 080446

## IEC MARKINGS

LOW VOLTAGE



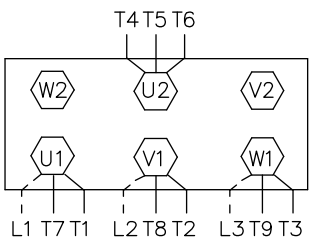

HIGH VOLTAGE



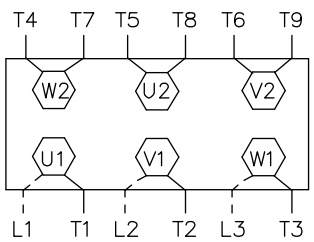

| LINE VOLTAGE | L1 | L2 | L3 | JOIN | | |
|---|---|---|---|---|---|---|
| TERMINAL | U1 | V1 | W1 | W2 | U2 | V2 |
| LOW | U1,U5 | V1,V5 | W1,W5 | --- | U2,V2,W2 | --- |
| HIGH | U1 | V1 | W1 | U2,U5 | V2,V5 | W2,W5 |

## 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

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# Data Sheet

**Date:** 1/30/2018

193336.60

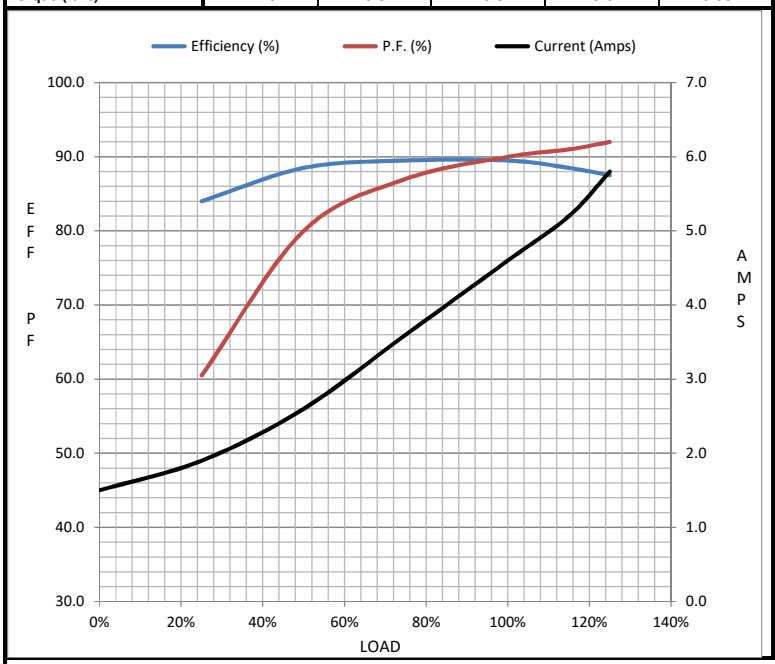
Data @ 460 V

## Motor Load Data

| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR | |
|---|---|---|---|---|---|---|---|---|---|
| Current (Amps) | 1.50 | 1.90 | 2.60 | 3.6 | 4.6 | 5.2 | 5.8 | 38.0 | |
| Torque (ft-lb) | 0.00 | 1.50 | 3.0 | 4.5 | 6.0 | 6.9 | 7.5 | 12.0 | |
| RPM | 3600 | 3580 | 3565 | 3545 | 3520 | 3,510 | 3500 | 0 | |
| Efficiency (%) | | 84.0 | 88.5 | 89.5 | 89.5 | 88.5 | 87.5 | | |
| P.F. (%) | 9.5 | 60.5 | 80.0 | 87.0 | 90.0 | 91.0 | 92.0 | 52.0 | |

## Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|---|---|---|---|---|---|
| Speed (RPM) | 0 | 1800 | 2975 | 3520 | 3600 |
| Current (Amps) | 38.0 | 34.0 | 23.5 | 4.6 | 1.50 |
| Torque (ft-lb) | 12.0 | 8.5 | 20.0 | 6.0 | 0.00 |




## Information Block

| | | |
|---|---|---|
| HP | 4.0 | |
| Sync. RPM | 3600 | |
| Frame | 100 | |
| 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 | 55 | ° C |
| Duty | CONT | |
| Ambient | 40 | ° C |
| Elevation | 1,000 | feet |
| Rotor/Shaft wk² | 0.00 | Lb-Ft² |
| Ref Wdg | T06802008 NONE | |
| Sound Pressure @ 1M | 72 | dBA |
| VFD Rating | CONSTANT 10:1 | |
| Outline Dwg | B-SS622286 | |
| Conn. Diag | 005465.01 | |
| Additional Specifications: | | |
| 0 | | |
| 0 | | |

EQUIV CKT (OHMS / PHASE)

| R1 | R2 | X1 | X2 | Xm |
|---|---|---|---|---|
| 2.4820 | 1.2760 | 3.9350 | 2.1270 | 178.6680 |

## Speed -Torque Curve