

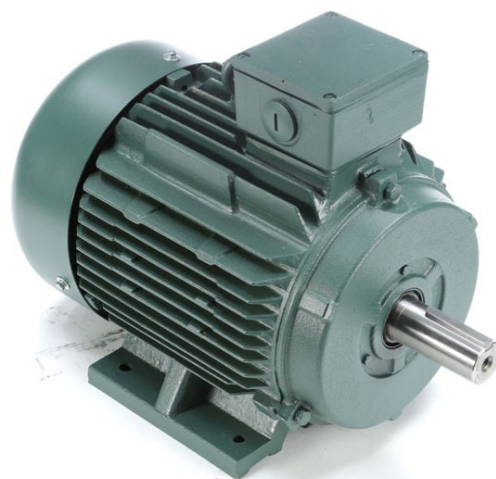
PRODUCT INFORMATION PACKET



Model No: 193305.60

Catalog No: 193305.60

LEESON® PASSPORT 4 HP General Purpose, 3 phase, 1200 RPM, 230/460 V, 132S Frame, TEFC



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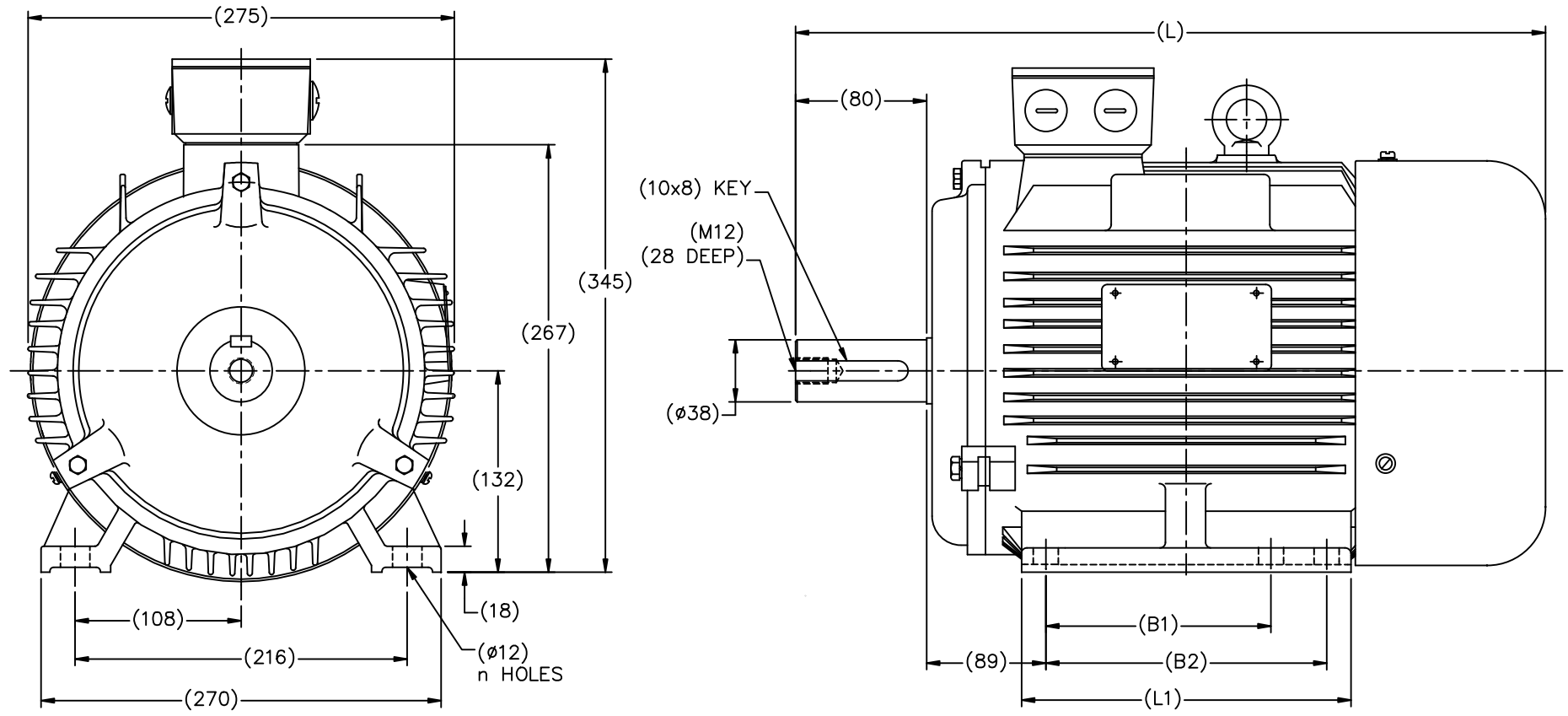


Nameplate Specifications

| | | | |
|------------------------|----------------------------------|----------------------------|------------------------------------|
| Phase | 3 | Output HP | 4 & 3 Hp |
| Output KW | 3.0 & 2.2 kW | Voltage | 230/460 & 200/400 V |
| Speed | 1182 & 986 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 132S | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | Thermostat | Efficiency | 89.5 & 89.5 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 12.4/6.2 & 11.6/5.8 A | Power Factor | 66.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | J |
| Drive End Bearing Size | 6308 | Opp Drive End Bearing Size | 6306 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 43 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|-------------------------------------|--------------------|--|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Wye Start Delta Run Or Inverter |
| Poles | 6 | Rotation | Reversible |
| Resistance Main | 2.02 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 | 7.32 in |
| Shaft Diameter | 1.500 in | Shaft Extension | 3.15 in |
| Assembly/Box Mounting | F3 | Inverter Load | CONSTANT 10:1 |
| Outline Drawing | B-SS622267 | Connection Drawing | 004172.03 |



| MODEL | Cat. No. | B1 | B2 | L1 | L | n |
|-----------|------------|-----|----|-----|-----|---|
| DF132S-6R | S220303051 | 140 | | 186 | 464 | 4 |

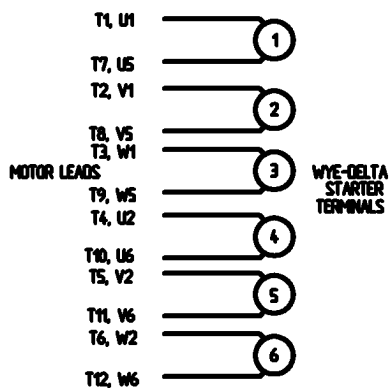
(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

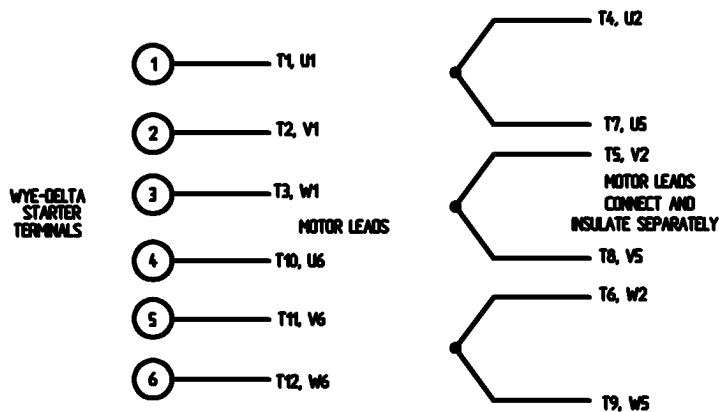
| NO. | | REVISION | BY & DATE | CHK | ANG | ±7'30" | FINISH | | | DRAWN | HLB | 12-09-2010 | | |
|--|--|----------|-----------|-----|-----|--------|--------|------------|----------|----------|-------|-------------|------------|------|
| | | | | | | | DEC. | METRIC | | | CHK | DJK | 12-17-2010 | |
| | | | | | | | .X | ±2.5 | | | APPD | SB | 12-18-2010 | |
| | | | | | | | .XX | ±.76 | | | SCALE | 1=18 | | |
| | | | | | | | .XXX | ±.127 | | | REF | 193305.60 | | |
| | | | | | | | .XXXX | ±.0127 | | | FMF | HEBEI | | |
| | | | | | | | | | | | PREV | | | |
| 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 | | | | | | | RFP | 12-22-2010 | CAD FILE | SS622267 | SIZE | DRAWING NO. | PAGE OF | REV. |
| | | | | | | | DIST | | | | B | SS622267 | | |

WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

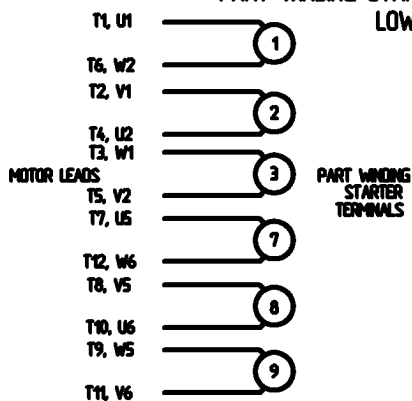


HIGH VOLTAGE CONNECTION



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

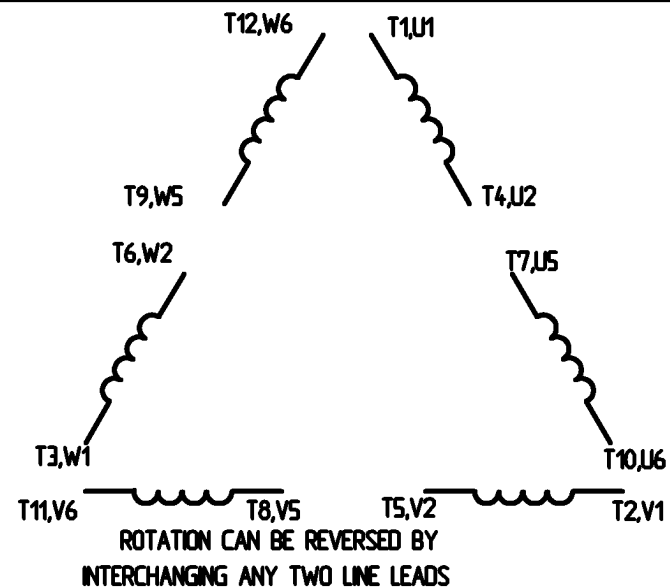
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER - HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

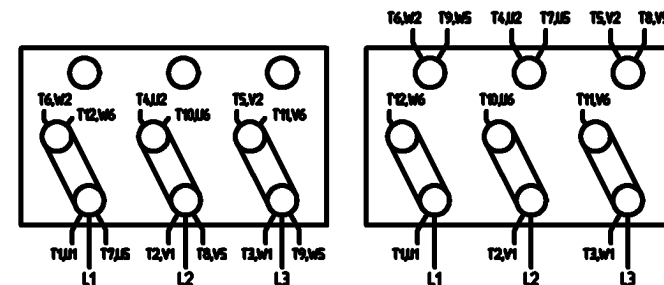
LINE LEADS



12 LEAD DELTA CONNECTION ACROSS THE LINE START
(FOR Y START DELTA RUN, REMOVE THE JUMPERS)

LOW VOLTAGE
MUST BE REWIRED
AS SHOWN

HIGH VOLTAGE
FACTORY WIRED FOR HIGH
VOLTAGE AS SHOWN



| | | | | | | | | | |
|---|----------|-----------|-----|-----------------------------|----------|--|-------|--------------|------|
| | | | | TOLERANCES UNLESS SPECIFIED | | ELECTRIC MOTORS GEARMOTORS AND DRIVES | DRAWN | CJW 08/28/02 | |
| | | | | DEC. | INCHES | | CHK | | |
| | | | | X | + .1 | APPO | | | |
| | | | | XX | + .01 | SCALE | 1:1 | | |
| | | | | XXX | + .005 | REF | | | |
| | | | | XXXX | + .0005 | FMF | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | + 1/2° | FINISH | PREV | | |
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| | | | | DST | | | A | 004172-03 | |

ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/CB
-dictionary-
/Pscript_WinNT_Compat
-dictionary-

Uncontrolled Copy



**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CATALOG #: 193305.60

CONN. DIAGRAM: 004172.03

OUTLINE: B-SS622267

MOUNTING: F3

WINDING #: T08706008 3

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-----|-----------|-----------|----------|-------|-----------|----------|--------|
| 4&3 | 2.98&2.24 | 1200 | 1182&986 | 132S | TEFC | J | B |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|-------|-----------------|-------------------|----------------------|------------|------|-----------|-------|
| 3 | 60/50 | 230/460&200/400 | 12.4/6.2&11.6/5.8 | Y START D RUN OR INV | CONTINUOUS | F5 | 1.15/1.15 | 40 |

| FULL LOAD EFF: | 89.5&89.5 | 3/4 LOAD EFF: | 89.5 | 1/2 LOAD EFF: | 87.5 | GTD. EFF | | ELEC. TYPE | |
|----------------|-----------|---------------|------|---------------|------|----------|--|-------------------|--|
| FULL LOAD PF: | 66.5&62 | 3/4 LOAD PF: | 59.5 | 1/2 LOAD PF: | 47.5 | 85.5 | | SQ CAGE INV RATED | |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|------------------|----------------|-------------|
| 17.9 LB-FT | 71 / 35.5 | 32.5 LB-FT 182 % | 57 LB-FT 318 % | 30 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|-----------|-----------------|---------------|-------------------|
| 54 dBA | 64 dBA | - LB-FT^2 | - LB-FT^2 | - SEC. | - | 190 LBS. |

***** SUPPLEMENTAL INFORMATION *****

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|------------------------|
| STANDARD | STANDARD | RIGID | HORIZONTAL | FALSE | NONE | FALSE | NONE | BLUE - LEESON (ENAMEL) |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|--------------|------------|-------------|-------------------|----------------|
| DE | ODE | | | | | | |
| BALL | BALL | POLYREX EM | STANDARD IEC | NONE | NONE | AISI 1045 (C-240) | CAST IRON |
| 6308 | 6306 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE HEATERS |
|-------------------|------------|----------|----------|-------------|---------|---------------|
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | | | |
| TSTATS (N/C) | NOT | NONE | NONE | NONE | FALSE | NONE VOLTS |

*

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INVERTER TORQUE: CONSTANT 10:1**INV. HP SPEED RANGE:** NONE**ENCODER:** NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/22/2018

193305.60



Data @ 460 V

Motor Load Data

| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR |
|----------------|------|------|------|------|------|-------|------|------|
| Current (Amps) | 3.6 | 4.0 | 4.5 | 5.5 | 6.2 | 7.0 | 7.2 | 35.5 |
| Torque (ft-lb) | 0.00 | 4.4 | 8.8 | 13.3 | 17.9 | 20.5 | 22.4 | 32.5 |
| RPM | 1200 | 1195 | 1192 | 1188 | 1182 | 1,180 | 1178 | 0 |
| Efficiency (%) | | 80.0 | 87.5 | 89.5 | 89.5 | 89.8 | 88.5 | |
| P.F. (%) | 6.0 | 29.5 | 47.5 | 59.5 | 66.5 | 69.0 | 71.0 | 40.0 |

Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (RPM) | 0 | 600 | 1075 | 1182 | 1200 |
| Current (Amps) | 35.5 | 30.0 | 23.0 | 6.2 | 3.6 |
| Torque (ft-lb) | 32.5 | 28.0 | 57.0 | 17.9 | 0.00 |

| Information Block | | | | |
|-----------------------------|-------------------------|--------|--------|--------|
| HP | 4.0 | | | |
| Sync. RPM | 1200 | | | |
| Frame | 112 | | | |
| 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 | 30 °C | | | |
| Duty | CONT | | | |
| Ambient | 40 °C | | | |
| Elevation | 1,000 feet | | | |
| Rotor/Shaft wk ² | 0.00 Lb-Ft ² | | | |
| Ref Wdg | T08706008 NONE | | | |
| Sound Pressure @ 1M | 54 dBA | | | |
| VFD Rating | CONSTANT 10:1 | | | |
| Outline Dwg | B-SS622267 | | | |
| Conn. Diag | 004172.03 | | | |
| Additional Specifications: | | | | |
| 0 | | | | |
| 0 | | | | |
| EQUIV CKT (OHMS / PHASE) | | | | |
| R1 | R2 | X1 | X2 | Xm |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

