

# PRODUCT INFORMATION PACKET



Model No: 113939.00

Catalog No: 113939.00

General Purpose Farm Duty Motor, 0.50 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 56CZ Frame, TENV



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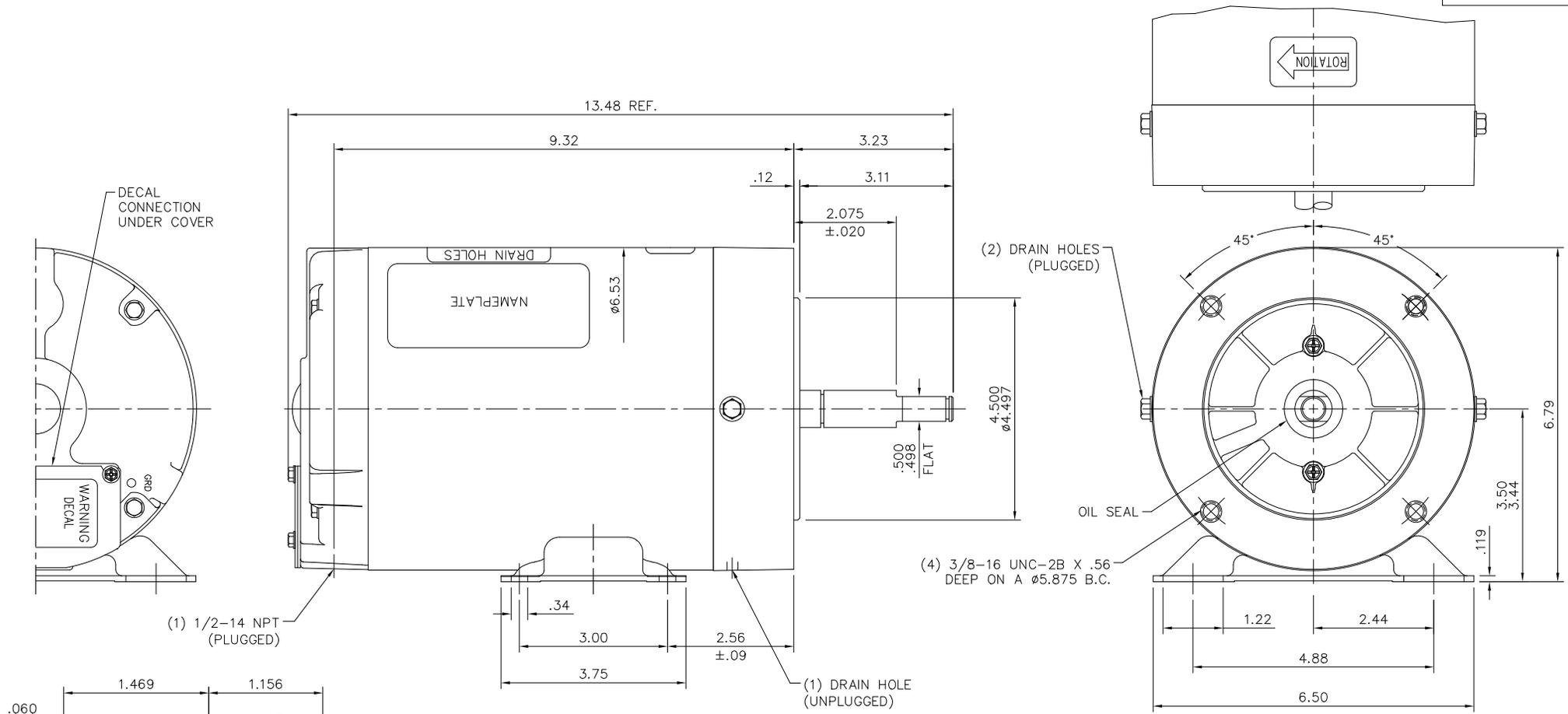


### Nameplate Specifications

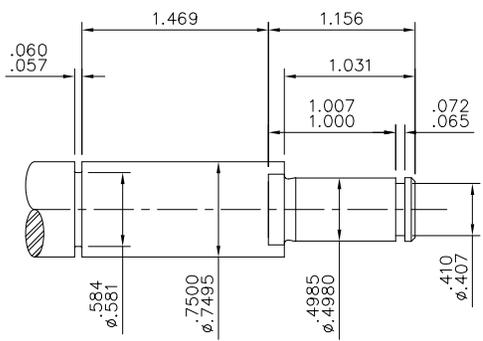
|                        |                      |                            |  |
|------------------------|----------------------|----------------------------|--|
| Output HP              | <b>0.50 Hp</b>       | Output KW                  | <b>0.37 kW</b>                         |
| Frequency              | <b>60 Hz</b>         | Voltage                    | <b>230 V</b>                           |
| Current                | <b>4.5 A</b>         | Speed                      | <b>3450 rpm</b>                        |
| Service Factor         | <b>1</b>             | Phase                      | <b>1</b>                               |
| Efficiency             | <b>57.5 %</b>        | Power Factor               | <b>67</b>                              |
| Duty                   | <b>60 Minute</b>     | Insulation Class           | <b>F</b>                               |
| Design Code            | <b>N</b>             | KVA Code                   | <b>H</b>                               |
| Frame                  | <b>56CZ</b>          | Enclosure                  | <b>Totally Enclosed Non Ventilated</b> |
| Thermal Protection     | <b>No Protection</b> | Ambient Temperature        | <b>40 °C</b>                           |
| Drive End Bearing Size | <b>6205</b>          | Opp Drive End Bearing Size | <b>6203</b>                            |
| UL                     | <b>Recognized</b>    | CSA                        | <b>Y</b>                               |
| CE                     | <b>N</b>             | IP Code                    | <b>43</b>                              |
| Number of Speeds       | <b>1</b>             |                            |  |

### Technical Specifications

|                       |                                  |                       |                                   |
|-----------------------|----------------------------------|-----------------------|-----------------------------------|
| Electrical Type       | <b>Permanent Split Capacitor</b> | Starting Method       | <b>Across The Line</b>            |
| Poles                 | <b>2</b>                         | Rotation              | <b>Selective Counterclockwise</b> |
| Resistance Main       | <b>2.455 Ohms</b>                | Mounting              | <b>Rigid Base</b>                 |
| Motor Orientation     | <b>Horizontal</b>                | Drive End Bearing     | <b>Ball</b>                       |
| Opp Drive End Bearing | <b>Ball</b>                      | Frame Material        | <b>Rolled Steel</b>               |
| Shaft Type            | <b>Single Special Extension</b>  | Overall Length        | <b>13.48 in</b>                   |
| Frame Length          | <b>7.00 in</b>                   | Shaft Diameter        | <b>0.500 in</b>                   |
| Shaft Extension       | <b>3.11 in</b>                   | Assembly/Box Mounting | <b>F1 ONLY</b>                    |
| Connection Drawing    | <b>005058.01</b>                 | Outline Drawing       | <b>OL113939</b>                   |



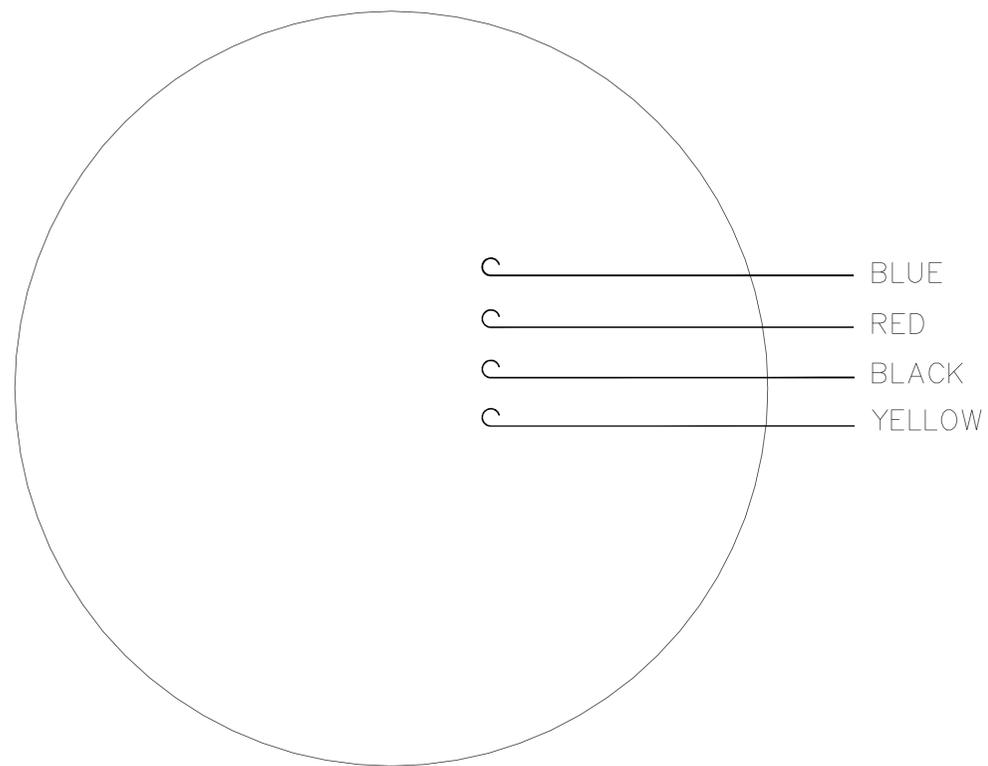
GASKETS THROUGHOUT  
 MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.  
 PERMISSIBLE SHAFT RUNOUT .003 T.I.R.



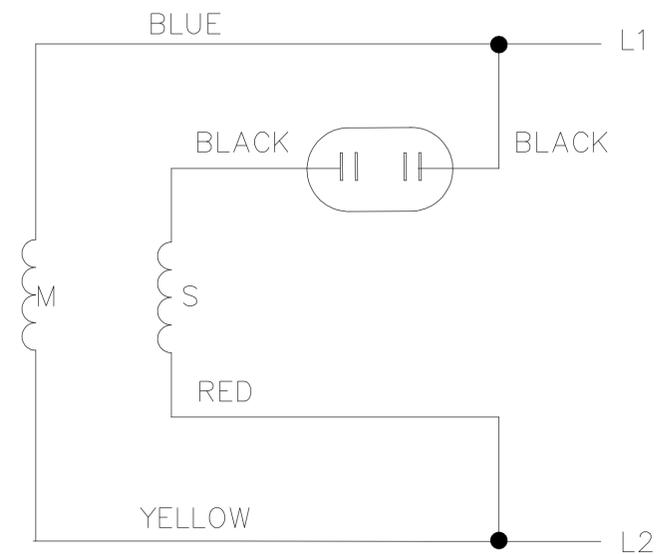
|  |  |           |          | TOLERANCES UNLESS SPECIFIED |        | LEESON |          | ELECTRIC MOTORS GERMOTORS AND DRIVES     |          | DRAWN KMM 08/01/06 |             |
|--|--|-----------|----------|-----------------------------|--------|--------|----------|--|----------|--------------------|-------------|
|  |  |           |          | DEC.                        | INCHES |        |          |  |          | CHK                |             |
|  |  |           |          | .X                          | ±.1    |        |          |  |          | APPD               | PG 08/01/06 |
|  |  |           |          | .XX                         | ±.03   | TITLE  |          | OUTLINE - 56CZ FRAME<br>TENV - RIGID "C" |          | SCALE 1=2          |             |
| 02   | UPDATED NP METAL TO MYLAR AS PER ECR-0221131 | PP        | 10/10/22 | PP                          | .XXX   | ±.005  |          |  | REF      |                    | 028585      |
| 01   | BICB COVER SREWS REDRAWN                     | ARV       | 5/18/07  |                             | .XXXX  | ±.0005 | MAT'L    |  | FMF      |                    | 113939.00   |
| NO.  | REVISION                                     | BY & DATE | CHK      | ANG                         | ±1/2"  | FINISH |          |  | 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    | CAD FILE | OL113939                                 | SIZE     | DRAWING NO.        | REV.        |
|  |  |           |          |                             |        | DIST   | BRF-NLV  | B  | OL113939 | 02                 |             |

005058-01

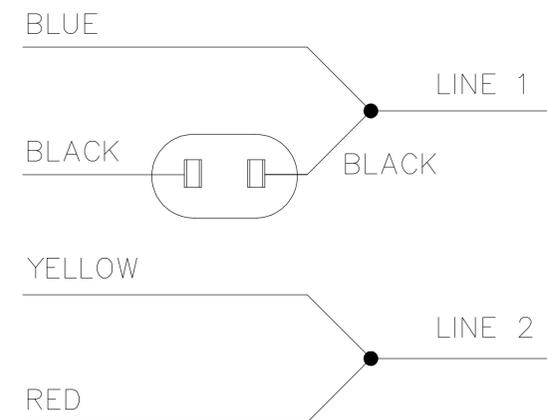
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



C.W.L.E. ROTATION



FOR C.C.W.L.E. ROTATION INTERCHANGE BLUE & YELLOW

|  |                  |              |     | TOLERANCES UNLESS SPECIFIED |        | REGAL <sup>TM</sup> Regal Beloit America, Inc. |          | DRAWN JRW 10/30/74 |             |      |
|--|------------------|--------------|-----|-----------------------------|--------|--|----------|--------------------|-------------|------|
|  |                  |              |     | DEC.                        | INCHES |  |          | CHK                |             |      |
|  |                  |              |     | .X                          | ±.1    |  |          | APPD               |             |      |
| B  | UPDATED TEMPLATE | SG 11/05/20  | SN  | .XXX                        | ±.005  | TITLE  |          | SCALE 1=1          |             |      |
| A  | REDRAWN ON CAD   | DBT 06/23/97 |     | .XXXX                       | ±.0005 | MAT'L.   |          | REF MG1 2.47       |             |      |
| NO.  | REVISION         | BY & DATE    | CHK | ANG                         | ±1/2°  | FINISH   |          | PREV               |             |      |
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|  |                  |              |     | DIST                        |        |  |          | A                  | 005058-01   | 0    |



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

CERTIFICATION DATA SHEET

CATALOG #: 113939.00

CONN. DIAGRAM: 005058.01

OUTLINE: OL113939

MOUNTING: F1 ONLY

WINDING #: P63253 4 A

TYPICAL MOTOR PERFORMANCE DATA

| HP  | kW   | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-----|------|-----------|----------|-------|-----------|----------|--------|
| 1/2 | 0.37 | 3600      | 3450     | 56CZ  | TENV      | H        | N      |

| PH | Hz | VOLTS | AMPS | START TYPE      | DUTY      | INSL | S.F. | AMB°C |
|----|----|-------|------|-----------------|-----------|------|------|-------|
| 1  | 60 | 230   | 4.5  | ACROSS THE LINE | 60 MINUTE | F4   | 1.0  | 40    |

| FULL LOAD EFF: | 57.5 | 3/4 LOAD EFF: | 46.4 | 1/2 LOAD EFF: | 34.3 | GTD. EFF | ELEC. TYPE  |
|----------------|------|---------------|------|---------------|------|----------|-------------|
| FULL LOAD PF:  | 67   | 3/4 LOAD PF:  | 64.3 | 1/2 LOAD PF:  | 61.2 | 52.5     | PSC 1 SPEED |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE    | B.D. TORQUE    | F.L. RISE°C |
|-------------|-------------------|----------------|----------------|-------------|
| 12.04 OZ-FT | 15                | 20 OZ-FT 167 % | 56 OZ-FT 467 % | 100         |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2    | MAX. WK^2   | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|---------------|-------------|-----------------|---------------|-------------------|
| 0 dBA                  | 10 dBA      | 0.074 LB-FT^2 | 0.1 LB-FT^2 | 0 SEC.          | 0             | 39 LBS.           |

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT                |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|----------------------|
| C-FACE          | STANDARD         | RIGID      | HORIZONTAL  | FALSE       | NONE               | FALSE      | NONE    | GRAY - LIGHT (EPOXY) |

| BEARINGS |      | GREASE     | SHAFT TYPE  | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL           | FRAME MATERIAL |
|----------|------|------------|-------------|------------|-------------|--------------------------|----------------|
| DE       | ODE  |            |             |            |             |                          |                |
| BALL     | BALL | POLYREX EM | SGL SPL EXT | VERIFY     | VERIFY      | 1144 STRESSPROOF (C-223) | ROLLED STEEL   |
| 6205     | 6203 |            |             |            |             |                          |                |

| THERMO-PROTECTORS |            |          |          | THERMISTORS | CONTROL | SPACE HEATERS |
|-------------------|------------|----------|----------|-------------|---------|---------------|
| THERMOSTATS       | PROTECTORS | WDG RTDs | BRG RTDs |             |         |               |
| NONE              | NOT        | NONE     | NONE     | NONE        | FALSE   | NONE VOLTS    |

|                                 |  |
|---------------------------------|--|
| *<br>N<br>O<br>T<br>E<br>S<br>* | <b>INVERTER TORQUE:</b> NONE<br><b>INV. HP SPEED RANGE:</b> NONE                   |
|                                 | <b>ENCODER:</b> NONE<br>NONE NONE<br>NONE NONE PPR                                 |
|                                 | <b>BRAKE:</b> NONE NONE<br>NONE P/N NONE<br>NONE NONE<br>NONE FT-LB NONE V NONE Hz |

