

# PRODUCT INFORMATION PACKET



Model No: C4D17WK16A

Catalog No: 109075.00

1HP.1750RPM.ZS56C.TEFC.90V.CONT.40C.1.0SF.RIGID C.DC WASHGUARD ALL-  
STAINLESS.C4D17WK16A

NEMA



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### Nameplate Specifications

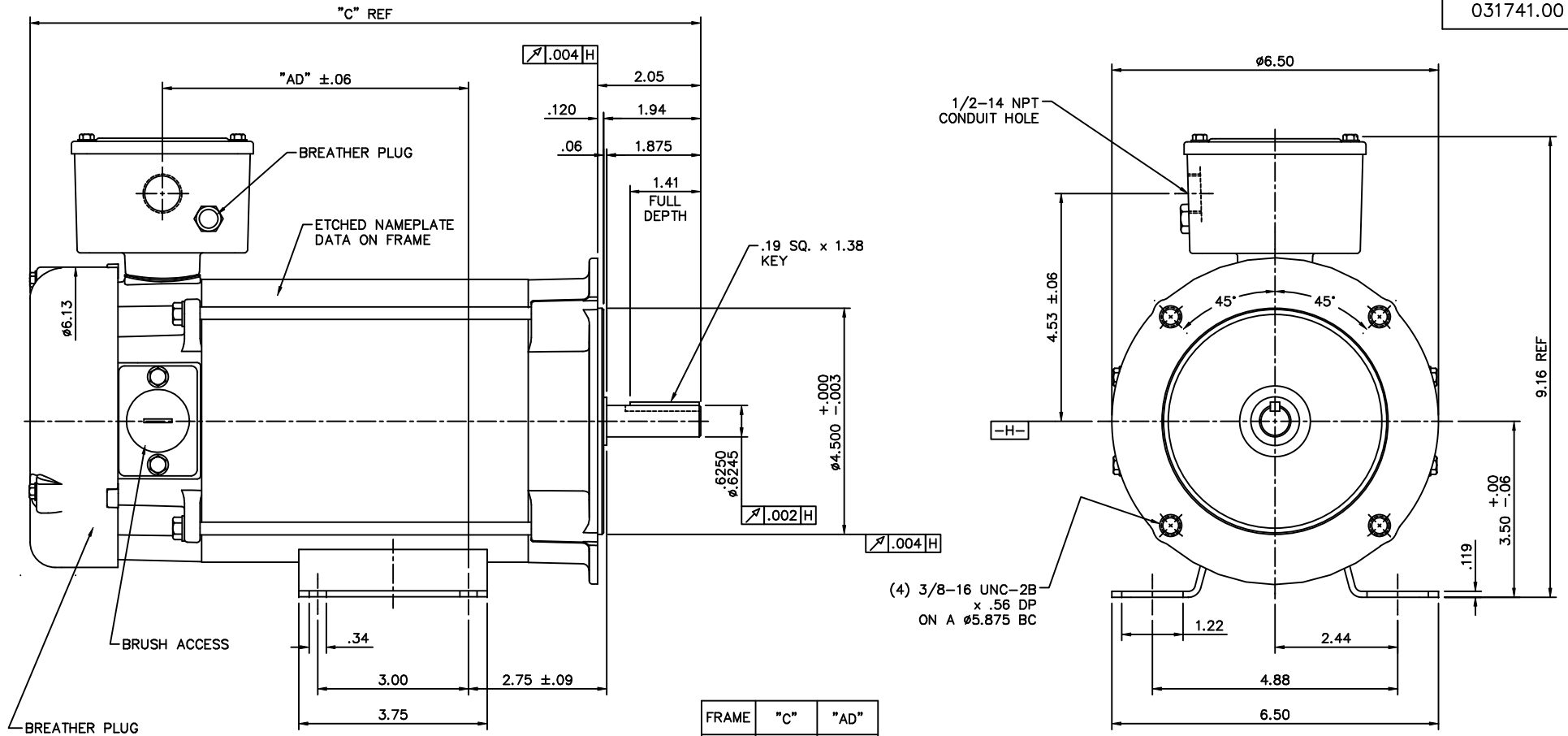
|                            |                             |                        |            |
|----------------------------|-----------------------------|------------------------|------------|
| Output HP                  | 1 Hp                        | Output KW              | 0.75 kW    |
| Voltage                    | 90 V                        | Current                | 9.5 A      |
| Speed                      | 1750 rpm                    | Service Factor         | 1          |
| Efficiency                 | 81.6 %                      | Duty                   | Continuous |
| Insulation Class           | F                           | Frame                  | ZS56C      |
| Enclosure                  | Totally Enclosed Fan Cooled | Overload Protector     | No         |
| Ambient Temperature        | 40 °C                       | Drive End Bearing Size | 6205       |
| Opp Drive End Bearing Size | 6203                        | UL                     | Recognized |
| CSA                        | Y                           | CE                     | N          |

### Technical Specifications

|                 |              |                    |              |
|-----------------|--------------|--------------------|--------------|
| Rotation        | Reversible   | Mounting           | Rigid C base |
| Overall Length  | 15.37 in     | Frame Length       | 9.63 in      |
| Shaft Diameter  | 0.625 in     | Shaft Extension    | 2.05 in      |
| Outline Drawing | 031741-ZS56C | Connection Diagram | 005487       |

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031741.00



**STAINLESS STEEL WASHGUARD MOTOR**  
SPECIAL FEATURES:

- 1) VITON CONDUIT BOX & COVER GASKETS
- 2) VITON O-RINGS IN ENDBELL RABBETS
- 3) VITON O-RINGS IN BRUSH HOLDER & CAP
- 4) VITON SHAFT SEAL
- 5) BREATHING PLUGS IN CONDUIT BOX & ENDBELL
- 6) ETCHED NAMEPLATE DATA ON MOTOR FRAME
- 7) ALL-STAINLESS STEEL CONSTRUCTION

| FRAME | "C"   | "AD" |
|-------|-------|------|
| NS56C | 12.87 | 5.59 |
| RS56C | 13.37 | 6.09 |
| US56C | 13.87 | 6.59 |
| VS56C | 14.37 | 7.09 |
| WS56C | 14.87 | 7.59 |
| XS56C | 15.37 | 8.09 |
| YS56C | 15.87 | 8.59 |
| ZS56C | 16.37 | 9.09 |

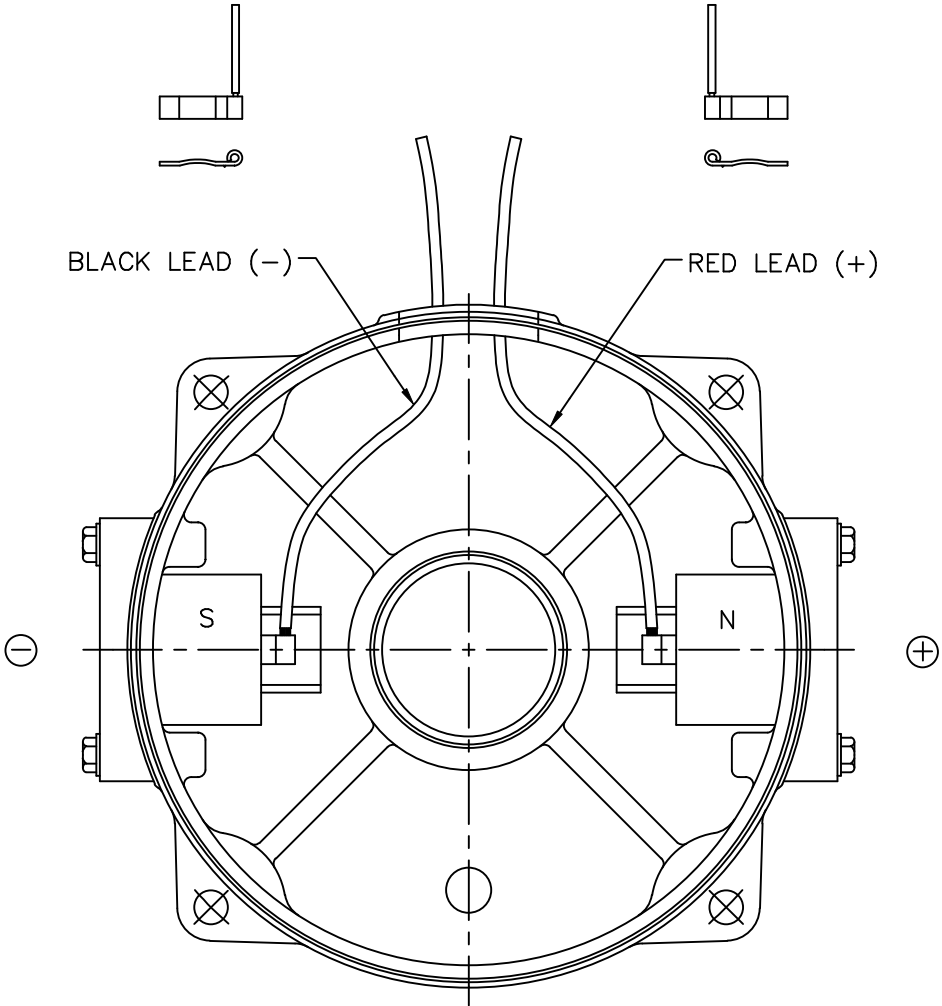
|                                                                                                                                                                                                                                  |                                                 |           |          | TOLERANCES<br>UNLESS SPECIFIED |        | LEESON | ELECTRIC MOTORS<br>GEARMOTORS<br>AND DRIVES | DRAWN PG 9/8/03 |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------|----------|--------------------------------|--------|--------|---------------------------------------------|-----------------|-------------|
|                                                                                                                                                                                                                                  |                                                 |           |          | DEC.                           | INCHES |        |                                             | CHK             |             |
|                                                                                                                                                                                                                                  |                                                 |           |          | .X                             | ±.1    |        |                                             | APPD            | PG 11/30/04 |
|                                                                                                                                                                                                                                  |                                                 |           |          | .XX                            | ±.03   |        |                                             | SCALE           | 1=2         |
| 02                                                                                                                                                                                                                               | ADDED FRAME DESIGNATION TO TABLE, PER 109075.00 | IPG       | 1/11/05  | SAD                            | .XXX   | ±.005  | TITLE                                       | OUTLINE         | REF         |
| 01                                                                                                                                                                                                                               | RELEASED FOR PRODUCTION                         | PG        | 11/30/04 | PG                             | .XXX   | ±.005  | MAT'L                                       | STAINLESS STEEL | 030967      |
| 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        | 031741      |
|                                                                                                                                                                                                                                  |                                                 |           |          |                                |        |        | DIST                                        | SIZE            | DRAWING NO. |
|                                                                                                                                                                                                                                  |                                                 |           |          |                                |        |        |                                             | B               | 031741.00   |
|                                                                                                                                                                                                                                  |                                                 |           |          |                                |        |        |                                             |                 | 02          |

ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--

STACK:

/im

-savelevel-



EXTERNAL CONNECTIONS FOR CCWLE ROTATION  
VIEWING LEAD END OF MOTOR WITH RED LEAD  
POSITIVE AND BLACK LEAD NEGATIVE.  
FOR CW ROTATION, REVERSE POLARITY.

|                                                                                                                                                                                                                                        |          |           |      |                                |                 |                                                                                       |                                             |               |                   |  |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|------|--------------------------------|-----------------|---------------------------------------------------------------------------------------|---------------------------------------------|---------------|-------------------|--|------|
|                                                                                                                                                                                                                                        |          |           |      | TOLERANCES<br>UNLESS SPECIFIED |                 |  | ELECTRIC MOTORS<br>GEARMOTORS<br>AND DRIVES |               | DRAWN PG 12/10/04 |  |      |
|                                                                                                                                                                                                                                        |          |           |      | DEC.                           | INCHES          |                                                                                       |                                             |               | CHK               |  |      |
|                                                                                                                                                                                                                                        |          |           |      | .X                             | ±.1             |                                                                                       |                                             |               | APPD PG 12/10/04  |  |      |
|                                                                                                                                                                                                                                        |          |           |      | .XX                            | ±.01            |                                                                                       |                                             |               | SCALE 5=8         |  |      |
|                                                                                                                                                                                                                                        |          |           |      | .XXX                           | ±.005           |                                                                                       |                                             |               |                   |  |      |
|                                                                                                                                                                                                                                        |          |           |      | .XXXX                          | ±.0005          | TITLE WIRING DIAGRAM<br>PMDC MOTOR                                                    |                                             | REF           |                   |  |      |
|                                                                                                                                                                                                                                        |          |           |      |                                |                 | MAT'L.                                                                                |                                             | FMF 109075.00 |                   |  |      |
| NO.                                                                                                                                                                                                                                    | REVISION | BY & DATE | CHK  | ANG                            | ±1/2"           | FINISH                                                                                |                                             |               | PREV              |  |      |
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|                                                                                                                                                                                                                                        |          |           | DIST |                                |                 |                                                                                       |                                             | A             | 005487.01         |  |      |