

# PRODUCT INFORMATION PACKET



Model No: 191209.00

Catalog No: 191209.00

SST Duck™ General Purpose Motor, 1 & 0.75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,  
3600 & 3000 RPM, 56HC Frame, TEFC

**Operational at 208-230/460 V @60HZ**



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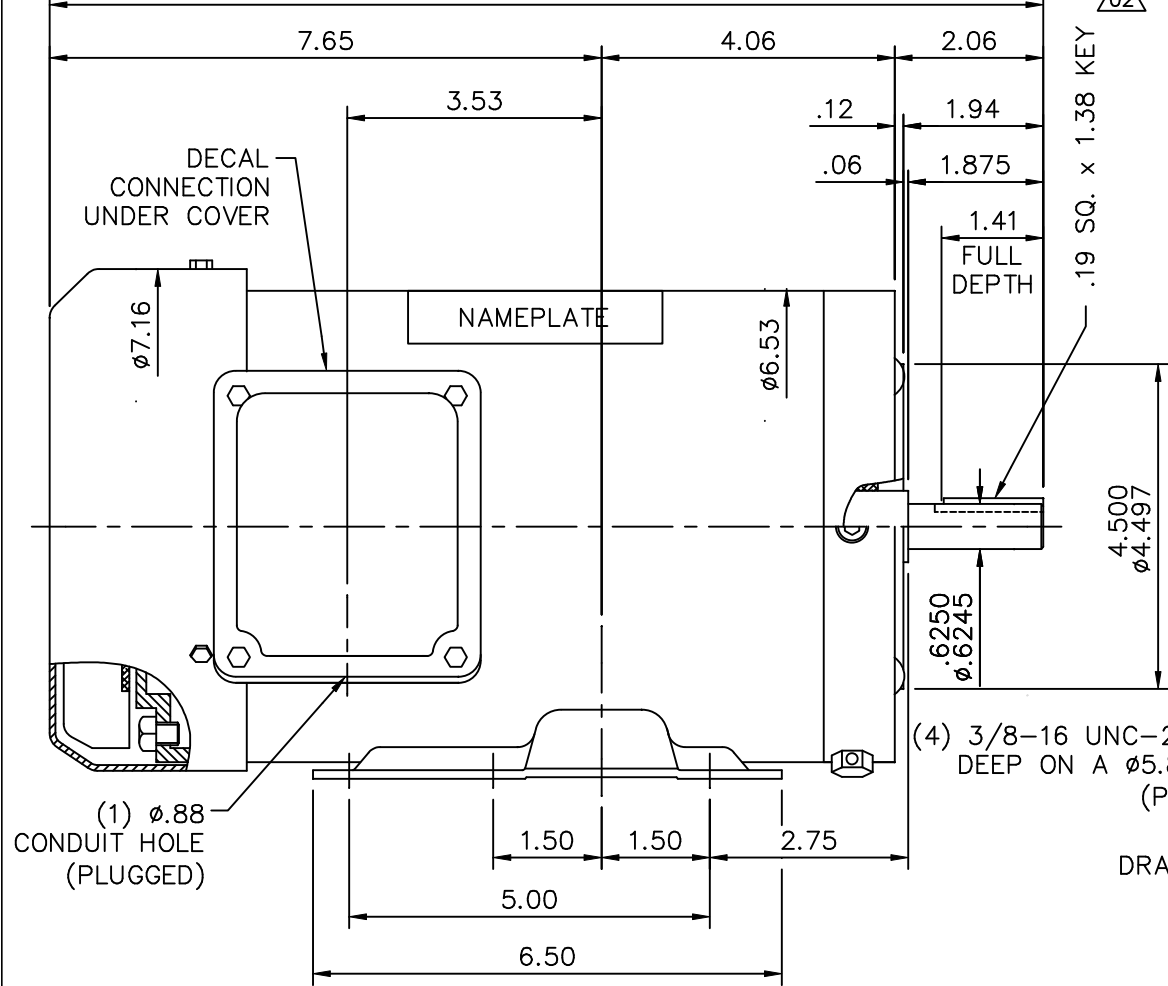
## Nameplate Specifications

|                        |                     |                            |                             |
|------------------------|---------------------|----------------------------|-----------------------------|
| Phase                  | 3                   | Output HP                  | 1 & 0.75 Hp                 |
| Output KW              | 0.75 & 0.56 kW      | Voltage                    | 230/460 & 190/380 V         |
| Speed                  | 3450 & 2850 rpm     | Service Factor             | 1.15 & 1.15                 |
| Frame                  | 56HC                | Enclosure                  | Totally Enclosed Fan Cooled |
| Thermal Protection     | No Protection       | Efficiency                 | 80 & 80 %                   |
| Ambient Temperature    | 40 °C               | Frequency                  | 60 & 50 Hz                  |
| Current                | 2.6/1.3 & 2.4/1.2 A | Power Factor               | 89.5                        |
| Duty                   | Continuous          | Insulation Class           | F                           |
| Design Code            | B                   | KVA Code                   | J                           |
| Drive End Bearing Size | 6205                | Opp Drive End Bearing Size | 6205                        |
| UL                     | Recognized          | CSA                        | Y                           |
| CE                     | Y                   | IP Code                    | 55                          |
| Number of Speeds       | 1                   |                            |                             |

## Technical Specifications

|                       |                             |                       |                 |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type       | Squirrel Cage Induction Run | Starting Method       | Across The Line |
| Poles                 | 2                           | Rotation              | Reversible      |
| Resistance Main       | 3.73 Ohms                   | Mounting              | Rigid Base      |
| Motor Orientation     | Horizontal                  | Drive End Bearing     | Ball            |
| Opp Drive End Bearing | Ball                        | Frame Material        | Stainless Steel |
| Shaft Type            | NEMA 56                     | Overall Length        | 13.77 in        |
| Frame Length          | 6.00 in                     | Shaft Diameter        | 0.625 in        |
| Shaft Extension       | 1.88 in                     | Assembly/Box Mounting | F1 ONLY         |
| Outline Drawing       | 16992800                    | Connection Drawing    | 005010.01       |

|           |           |
|-----------|-----------|
| 13.77 REF | 169928.00 |
|-----------|-----------|

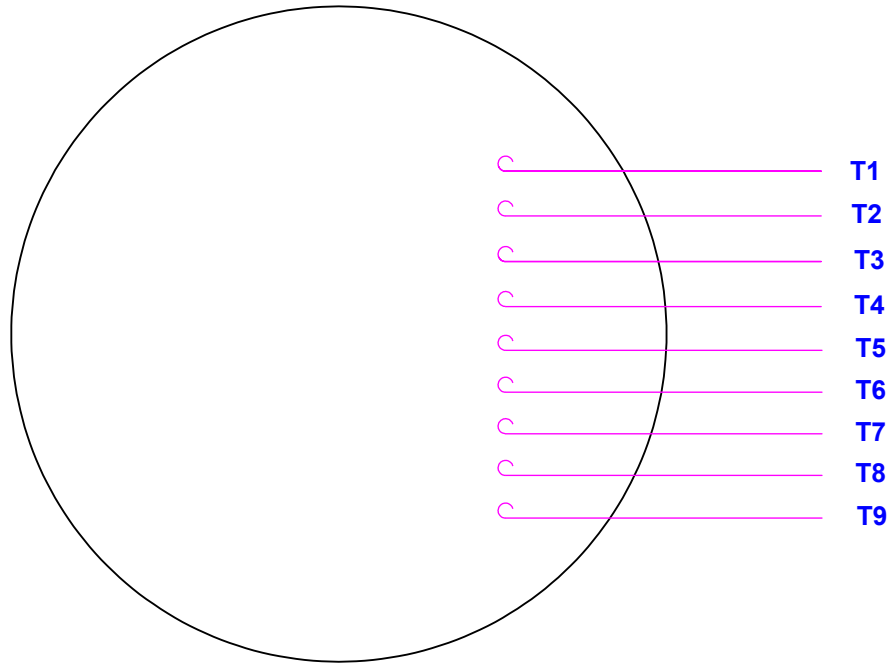


MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
MAXIMUM PILOT ECCENTRICITY .004 T.I.R.  
PERMISSABLE SHAFT RUNOUT .002 T.I.R.

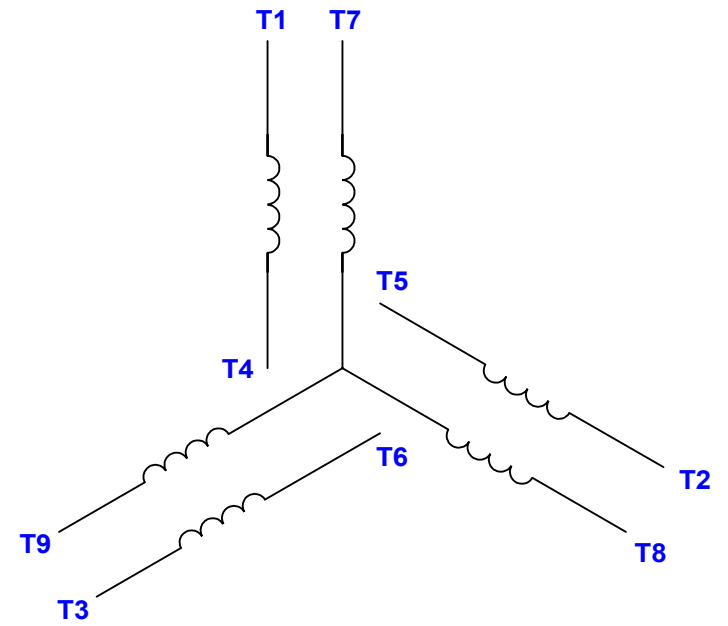
GASKETS THROUGHOUT

|                                                                                                                                                                                                                                        |                                               |              |      |                                |                   |                                                                                                                                   |           |                          |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------|------|--------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------|--------------|
|                                                                                                                                                                                                                                        |                                               |              |      | TOLERANCES<br>UNLESS SPECIFIED |                   |  ELECTRIC MOTORS<br>GEARMOTORS<br>AND DRIVES |           | DRAWN MGM 04/09/03       |              |
|                                                                                                                                                                                                                                        |                                               |              |      | DEC.                           | INCHES            |                                                                                                                                   |           | CHK                      | RDW 04/09/03 |
|                                                                                                                                                                                                                                        |                                               |              |      | .X                             | ±.1               |                                                                                                                                   |           | APPD                     |              |
|                                                                                                                                                                                                                                        |                                               |              |      | .XX                            | ±.03              |                                                                                                                                   |           | SCALE 3=8                |              |
| 02                                                                                                                                                                                                                                     | UPDATED SHAFT EXT DIMS                        | RDW 4/26/04  | SW   | .XXX                           | ±.005             | TITLE<br>OUTLINE – 56HC FRAME<br>TEFC – RIGID "C"                                                                                 |           | REF                      |              |
| 01                                                                                                                                                                                                                                     | CONDUIT HOLE WAS 1/2–14 NPT, DIM .157 WAS .12 | SW 10/7/2003 | RDW  | .XXXX                          | ±.0005            |                                                                                                                                   |           | FMF                      |              |
| 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<br>IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED<br>THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT |                                               |              | RFP  |                                | CAD FILE 16992800 |                                                                                                                                   | SIZE<br>A | DRAWING NO.<br>169928.00 | REV.<br>01   |
|                                                                                                                                                                                                                                        |                                               |              | DIST |                                |                   |                                                                                                                                   |           |                          |              |

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

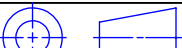


## LINE LEADS



| VOLTAGE | L1    | L2    | L3    | JOIN & INSULATE               |
|---------|-------|-------|-------|-------------------------------|
| HIGH    | T1    | T2    | T3    | (T4,T7)<br>(T5,T8)<br>(T6,T9) |
| LOW     | T1,T7 | T2,T8 | T3,T9 | T4,T5,T6                      |

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|                                                                                                                           |                                                    |               |                                   |                                |        |                                                                                                                         |                           |                                |                  |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------|-----------------------------------|--------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------|------------------|
|                                                                                                                           |                                                    |               |                                   | TOLERANCES<br>UNLESS SPECIFIED |        |  <b>Regal Beloit America, Inc.</b> | DRAWN <b>RDW 04/12/02</b> |                                |                  |
|                                                                                                                           |                                                    |               |                                   | DEC                            | INCHES |                                                                                                                         | CHK                       |                                |                  |
|                                                                                                                           |                                                    |               |                                   | .X                             | ±.1    |                                                                                                                         | APPR                      |                                |                  |
| 12                                                                                                                        | CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142 | KVDG 09/19/24 | DS                                | .XX                            | ±.01   | TITLE <b>EXTERNAL WIRING DIAGRAM</b><br><b>3 PHASE W/O PROTECTOR</b>                                                    | SCALE                     | 1:1                            |                  |
| --                                                                                                                        | REDRAWN IN SOLIDWORKS                              | VJB 02/08/11  |                                   | .XXX                           | ±.005  |                                                                                                                         | REF                       | <b>FIG. 2-51</b>               |                  |
| 11                                                                                                                        | ADD REV TO MATCH ORACLE                            | KJH 06/08/09  | MDN                               | .XXXX                          | ±.0005 | MAT'L <b>DECAL - 004014</b>                                                                                             | FMF                       |                                |                  |
| NO                                                                                                                        | REVISION                                           | BY & DATE     | CHK                               | ANG                            | ±1/2°  | FINISH                                                                                                                  | PAGE                      | OF                             |                  |
| <div>THIRD ANGLE<br/>PROJECTION</div>  |                                                    |               | RFP                               | 04/12/02                       |        | PREV                                                                                                                    | SIZE<br><b>A</b>          | DRAWING NO<br><b>005010-01</b> | REV<br><b>12</b> |
|                                                                                                                           |                                                    |               | NETWORK FILE NAME <b>00501001</b> |                                |        |                                                                                                                         |                           |                                |                  |

## Data Sheet

Date: 1/30/2018

191209.00



Data @ 460 V

## Motor Load Data

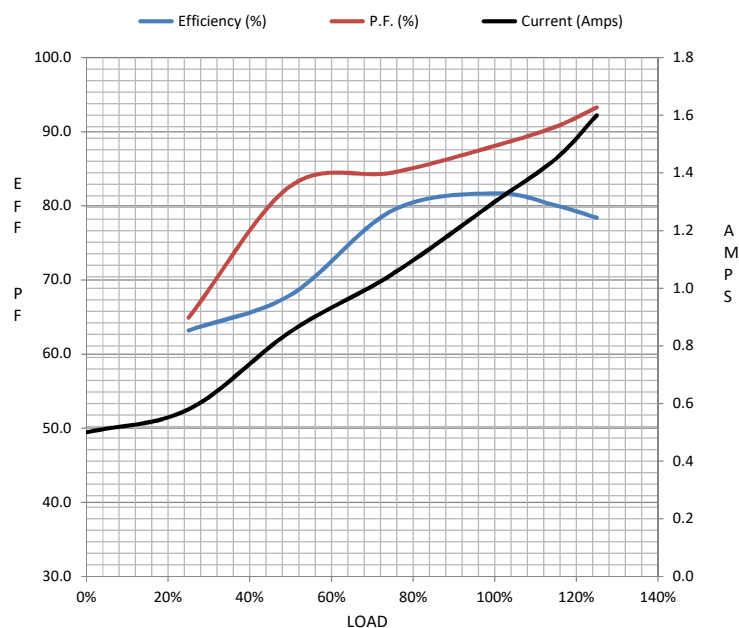
| Load           | 0%   | 25%  | 50%  | 75%  | 100% | 115%  | 125% | LR  |  |
|----------------|------|------|------|------|------|-------|------|-----|--|
| Current (Amps) | 0.50 | 0.58 | 0.85 | 1.05 | 1.30 | 1.45  | 1.60 | 9.8 |  |
| Torque (ft-lb) | 0.00 | 95.9 | 194  | 289  | 389  | 7,044 | 492  | 991 |  |
| RPM            | 3600 | 3561 | 3528 | 3493 | 3456 | 3,438 | 3411 | 0   |  |
| Efficiency (%) |      | 63.2 | 68.0 | 79.4 | 81.7 | 80.1  | 78.4 |     |  |
| P.F. (%)       | 18.1 | 64.9 | 82.7 | 84.5 | 88.1 | 90.7  | 93.3 | 0.0 |  |

## Motor Speed Data

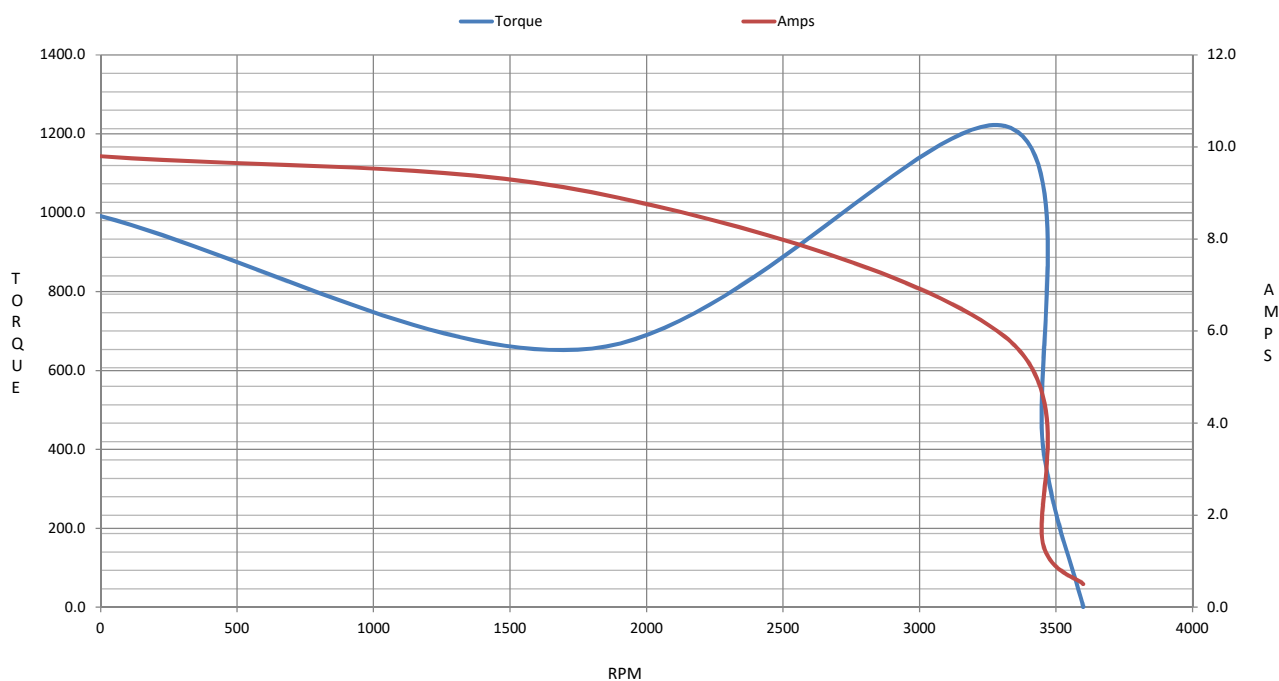
|                | LR  | Pull-Up | BD    | Rated | Idle |
|----------------|-----|---------|-------|-------|------|
| Speed (RPM)    | 0   | 1800    | 3312  | 3456  | 3600 |
| Current (Amps) | 9.8 | 9.0     | 5.9   | 1.30  | 0.50 |
| Torque (ft-lb) | 991 | 656     | 1,220 | 389   | 0.00 |

## Information Block

|                            |                     |        |        |        |
|----------------------------|---------------------|--------|--------|--------|
| HP                         | 1.0                 |        |        |        |
| Sync. RPM                  | 3600                |        |        |        |
| Frame                      | 0                   |        |        |        |
| Enclosure                  | TEFC                |        |        |        |
| Construction               | TFR                 |        |        |        |
| Voltage                    | 208-230/460#190/380 | V      |        |        |
| Frequency                  | 60                  | Hz     |        |        |
| Design                     | B                   |        |        |        |
| LR Code letter             | J                   |        |        |        |
| Service Factor             | 1.15                |        |        |        |
| Temp Rise @ FL             | 41                  | ° C    |        |        |
| Duty                       | CONT                |        |        |        |
| Ambient                    | 40                  | ° C    |        |        |
| Elevation                  | 1,000               | feet   |        |        |
| Rotor/Shaft wk²            | 0.05                | Lb-Ft² |        |        |
| Ref Wdg                    | QT6327 FR           |        |        |        |
| Sound Pressure @ 1M        | 999                 | dBA    |        |        |
| VFD Rating                 | NONE                |        |        |        |
| Outline Dwg                | 16992800            |        |        |        |
| Conn. Diag                 | 005010.01           |        |        |        |
| 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



## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
1946 West Cook Road  
Fort Wayne, IN 46818

and the authorized representative  
established within the Community:

Regal Beloit Italy  
Via Modena, 18  
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 191209.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 191209.00

Rework No : N/A

Directives :

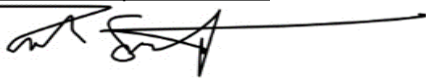
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer  
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi  
Technology Director, Engineering

Created on 07/08/2025

**CE 25**