# PRODUCT INFORMATION PACKET

Model No: 191487.00
Catalog No: 191487.00
SST Duck™ General Purpose Motor, 1 & 0.75 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 143TC Frame, TEFC

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## Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | 3 | Output HP | 1 & 0.75 Hp |
| Output KW | 0.75 & 0.56 kW | Voltage | 208-230/460 & 190/380 V |
| Speed | 1750 & 1450 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 143TC | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 85.5 & 84 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 3.2-3/1.5 & 3.0/1.5 A | Power Factor | 71.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | N |
| 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 | 4 | Rotation | Reversible |
| Resistance Main | 0 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Stainless Steel |
| Shaft Type | T | Overall Length | 13.62 in |
| Frame Length | 7.99 in | Shaft Diameter | 0.875 in |
| Shaft Extension | 2.25 in | Assembly/Box Mounting | F1 ONLY |
| Connection Drawing | 005010.01 | Outline Drawing | 16993400 |

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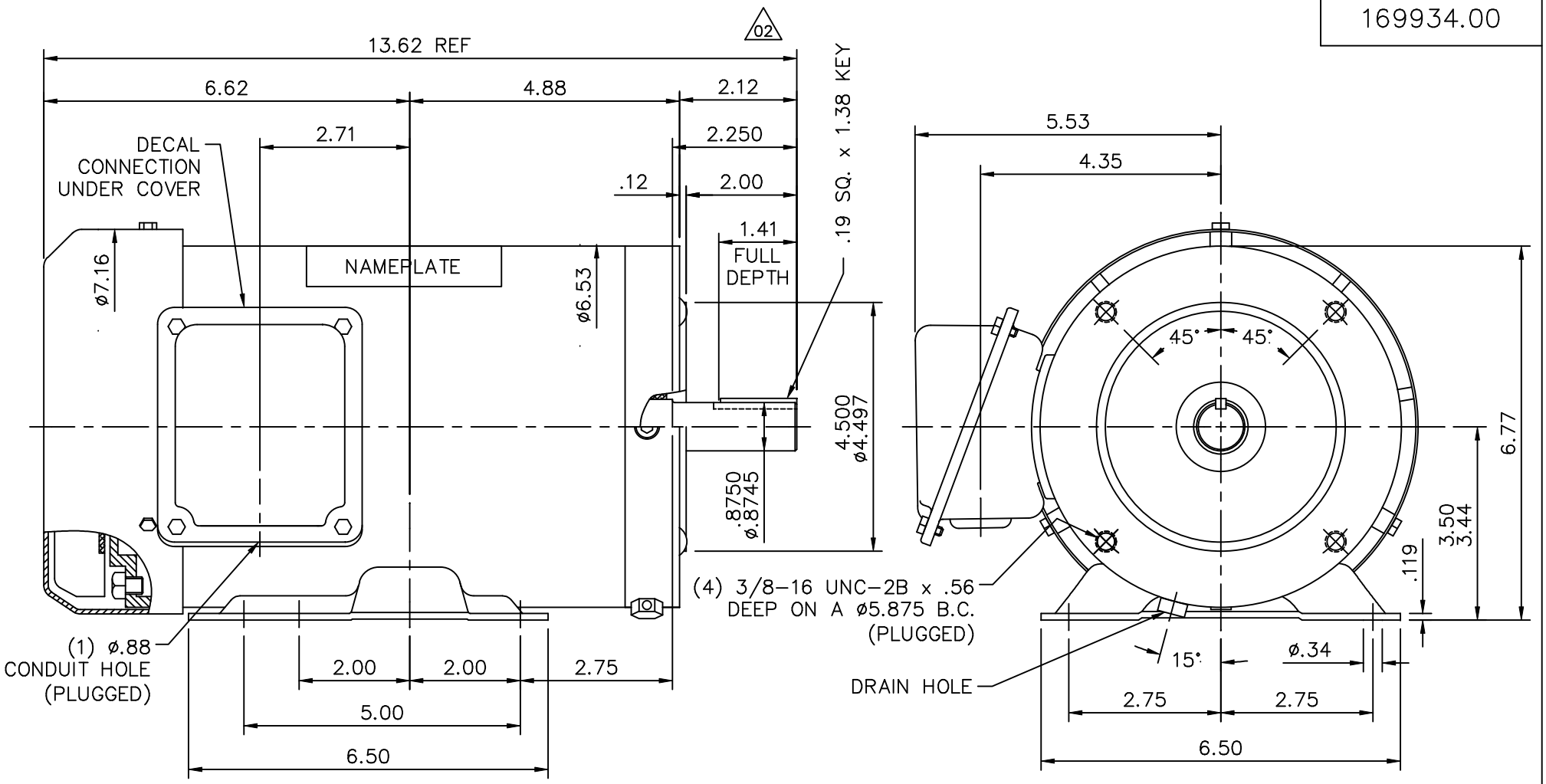
169934.00




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

GASKETS THROUGHOUT

| NO. | REVISION | BY & DATE | CHK |
|---|---|---|---|
| 02 | UPDATED SHAFT EXT DIMS | RDW 4/26/04 | SW |
| 01 | CONDUIT HOLE WAS 1/2–14 NPT, DIM .157 WAS .12 | SW 10/7/2003 | RDW |

| TOLERANCES UNLESS SPECIFIED | |
|---|---|
| DEC. | INCHES |
| .X | ±.1 |
| .XX | ±.03 |
| .XXX | ±.005 |
| .XXXX | ±.0005 |
| ANG | ±1/2° |

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE: OUTLINE – 143–145TC FRAME TEFC – RIGID "C"

MAT'L.

FINISH

CAD FILE: 16993400

RFP

DIST

DRAWN MGM 04/09/03
CHK RDW 04/09/03
APPD
SCALE 3=8
REF
FMF
PREV

SIZE: A
DRAWING NO.: 169934.00
REV.: 01

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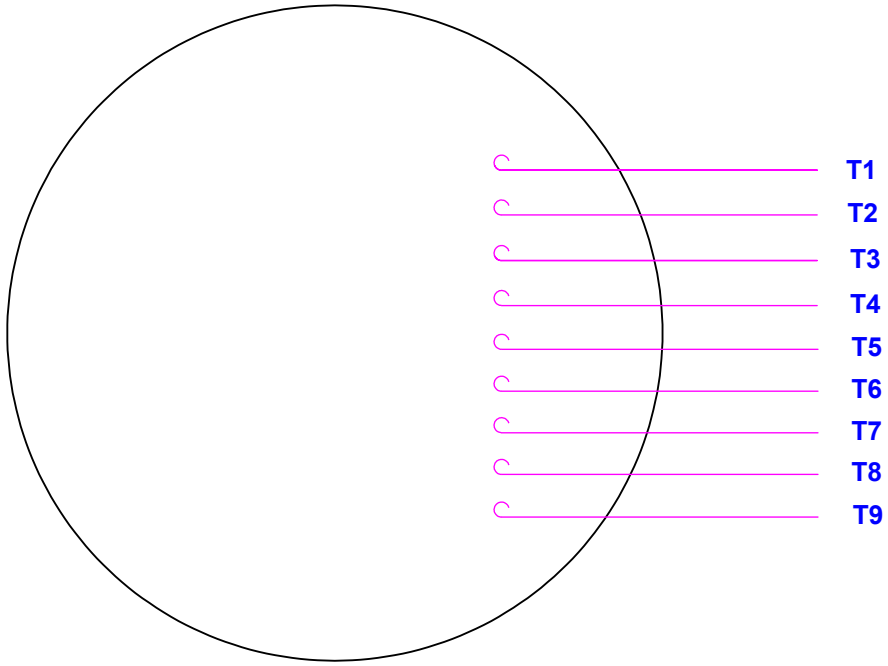
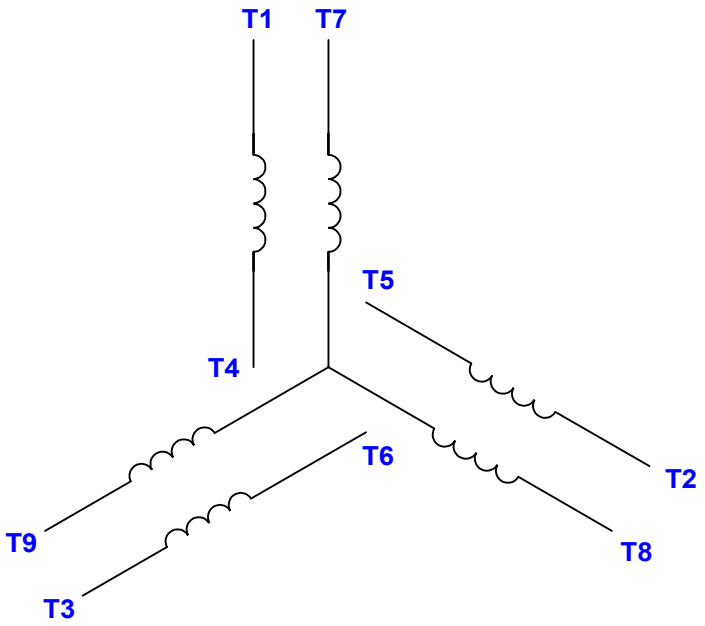
7/6/2007 8:50:55 AM -

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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| NO | REVISION | BY & DATE | CHK |
|---|---|---|---|
| 12 | CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142 | KVDG 09/19/24 | DS |
| -- | REDRAWN IN SOLIDWORKS | VJB 02/08/11 | |
| 11 | ADD REV TO MATCH ORACLE | KJH 06/08/09 | MDN |

TOLERANCES UNLESS SPECIFIED
DEC INCHES
.X ±.1
.XX ±.01
.XXX ±.005
.XXXX ±.0005
ANG ±1/2°

THIRD ANGLE PROJECTION

Regal Rexnord — Regal Beloit America, Inc.

TITLE EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR
MAT'L DECAL - 004014
FINISH
RFP 04/12/02
PREV
NETWORK FILE NAME 00501001

DRAWN RDW 04/12/02
CHK
APPR
SCALE 1:1
REF FIG. 2-51
FMF
PAGE OF

SIZE A
DRAWING NO 005010-01
REV 12

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# Data Sheet

**Date:** 1/30/2018

191487.00

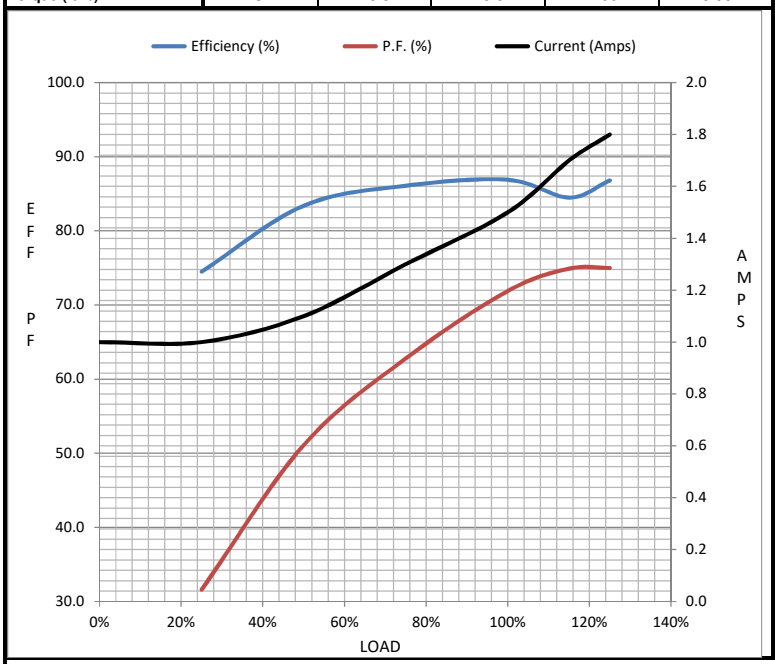
Data @ 460 V

## Motor Load Data

| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR | |
|---|---|---|---|---|---|---|---|---|---|
| Current (Amps) | 1.00 | 1.00 | 1.10 | 1.30 | 1.50 | 1.70 | 1.80 | 15.1 | |
| Torque (ft-lb) | 0.00 | 0.74 | 1.48 | 2.23 | 2.99 | 3.5 | 3.8 | 13.2 | |
| RPM | 1800 | 1790 | 1779 | 1768 | 1757 | 1,750 | 1745 | 0 | |
| Efficiency (%) | | 74.5 | 83.4 | 86.1 | 86.9 | 84.5 | 86.8 | | |
| P.F. (%) | 7.7 | 31.6 | 51.1 | 62.8 | 71.9 | 74.9 | 75.0 | 55.8 | |

## Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|---|---|---|---|---|---|
| Speed (RPM) | 0 | 193 | 1264 | 1757 | 1800 |
| Current (Amps) | 15.1 | 14.8 | 10.1 | 1.50 | 1.00 |
| Torque (ft-lb) | 13.2 | 10.5 | 15.8 | 2.99 | 0.00 |




## Information Block

| | | |
|---|---|---|
| HP | 1.0 | |
| Sync. RPM | 1800 | |
| Frame | 143 | |
| Enclosure | TEFC | |
| Construction | NA | |
| Voltage | 208-230/460#190/380 | V |
| Frequency | 60 | Hz |
| Design | A | |
| LR Code letter | N | |
| Service Factor | 1.15 | |
| Temp Rise @ FL | 33 | ° C |
| Duty | CONT | |
| Ambient | 40 | ° C |
| Elevation | 1,000 | feet |
| Rotor/Shaft wk² | 0.00 | Lb-Ft² |
| Ref Wdg | QT63420 FR | |
| Sound Pressure @ 1M | 999 | dBA |
| VFD Rating | NONE | |
| Outline Dwg | 16993400 | |
| Conn. Diag | 005010.01 | |

Additional Specifications:

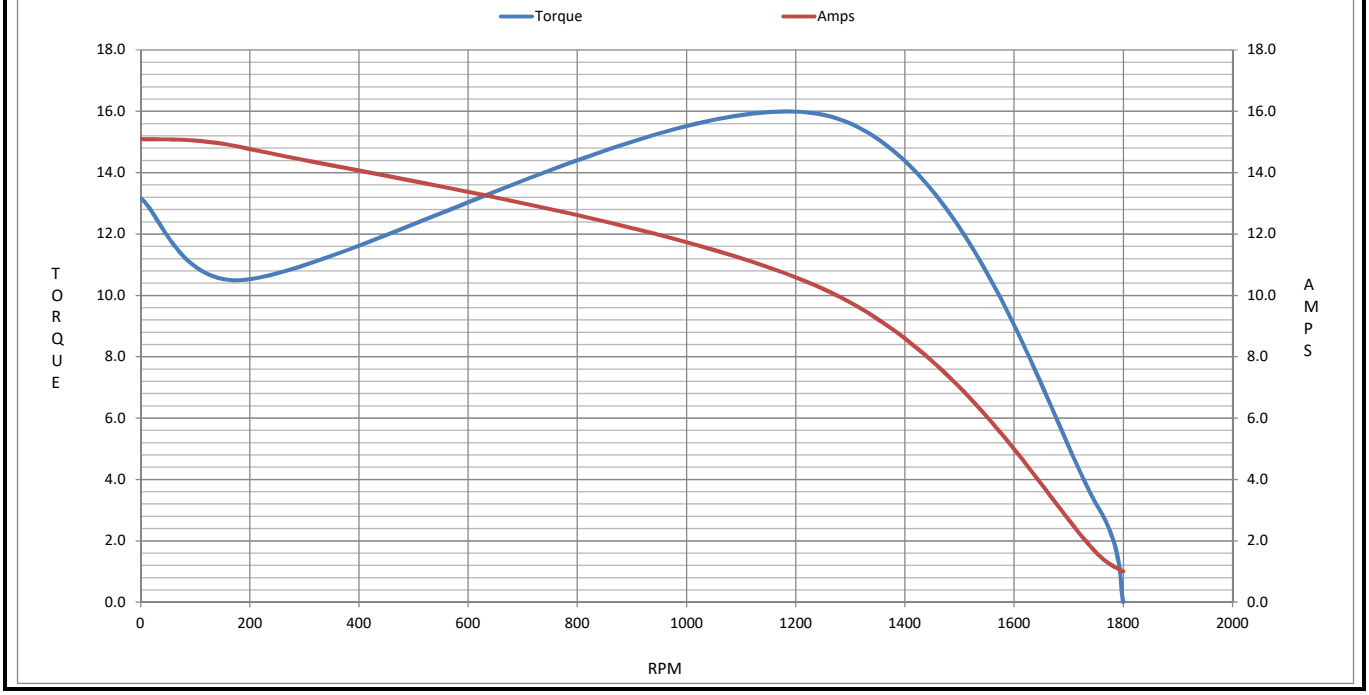
0

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 : 191487.00

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

Catalog No : 191487.00

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