

PRODUCT INFORMATION PACKET



Model No: 191205.00

Catalog No: 191205.00

SST Duck™ General Purpose Motor, 0.50 & 0.33 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 56C Frame, TENV

Operational at 208-230/460 V @60HZ



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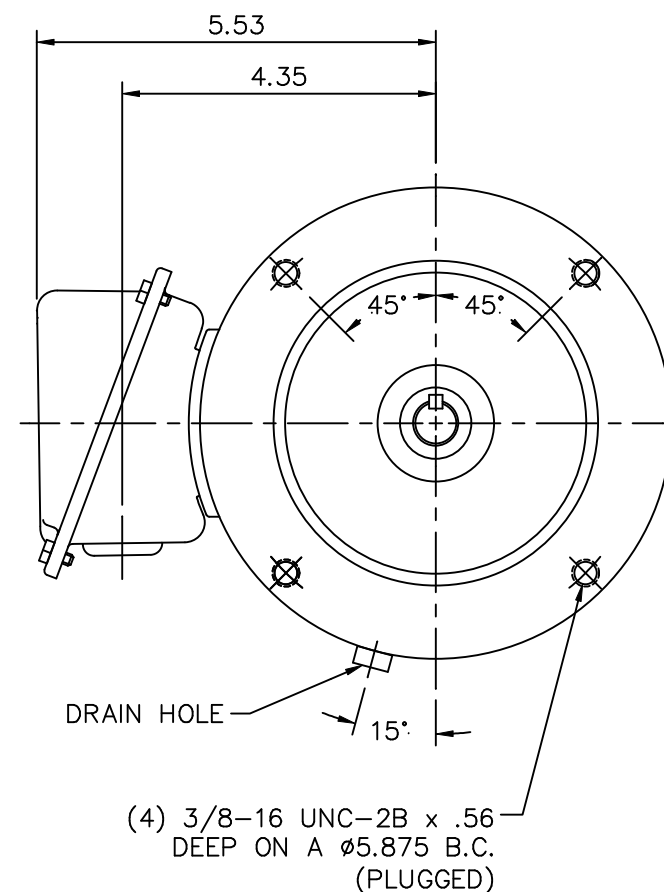
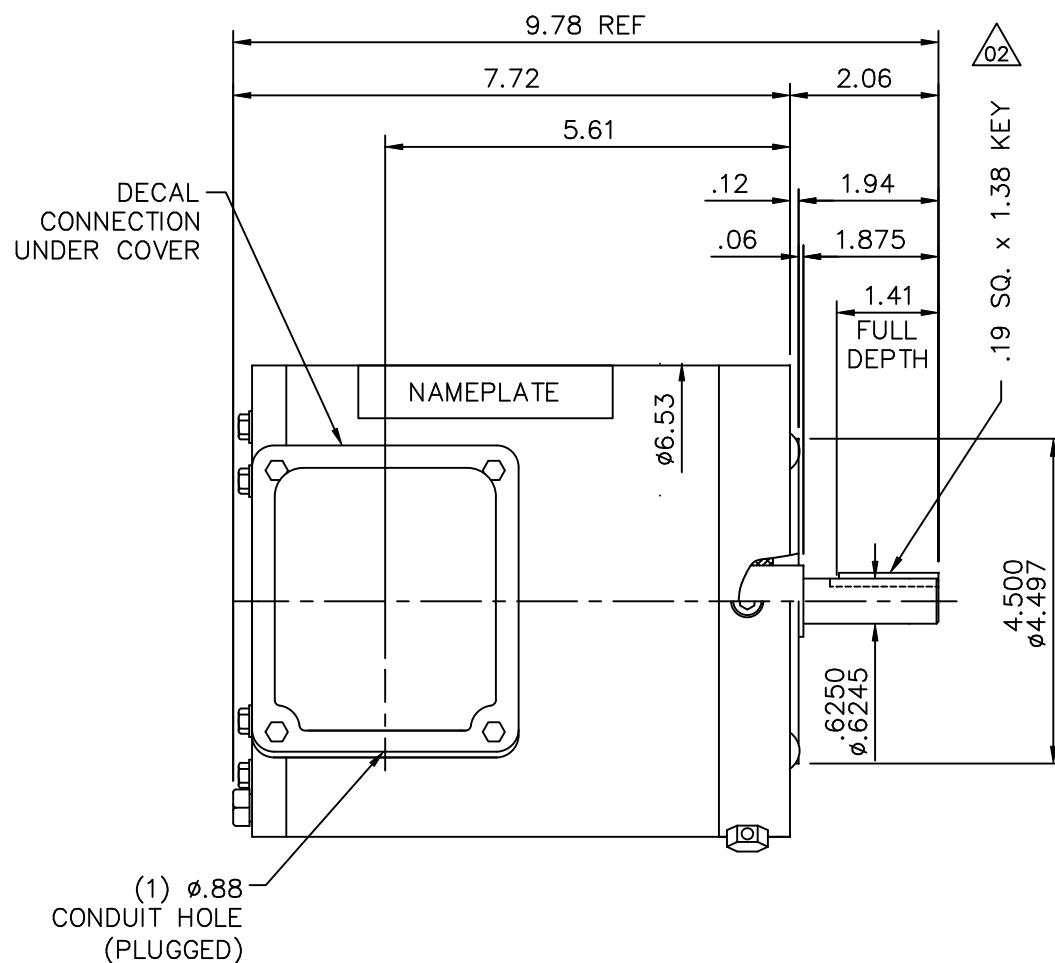


Nameplate Specifications

Phase	3	Output HP	0.50 & 0.33 Hp
Output KW	0.37 & 0.25 kW	Voltage	230/460 & 190/380 V
Speed	1740 & 1440 rpm	Service Factor	1.15 & 1.15
Frame	56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	81.5 & 78.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.6/.8 & 1.6/.8 A	Power Factor	68
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
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 Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	29 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	NEMA 56	Overall Length	9.78 in
Frame Length	9.72 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Connection Drawing	005010.01	Outline Drawing	16993000

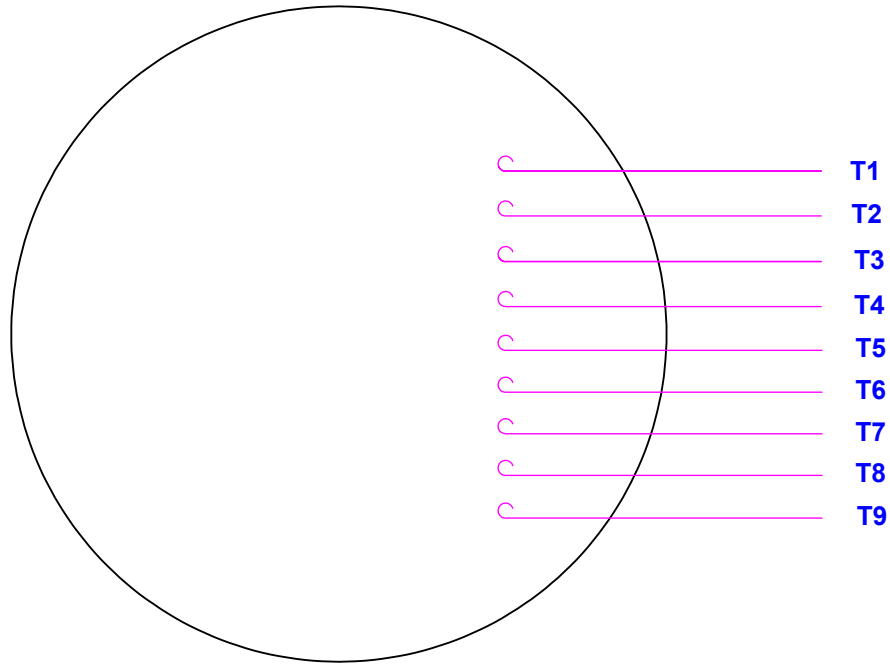


MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

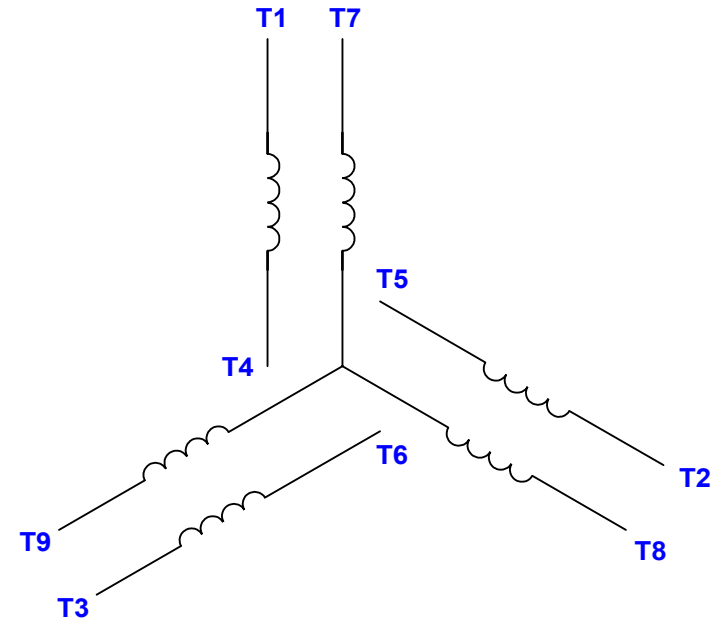
GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN MGM 04/10/03	
				DEC.	INCHES		CHK	RDW 04/10/03
				.X	±.1		APPD	
				.XX	±.03		SCALE	3=8
02	UPDATED SHAFT EXT DIMS	RDW 4/26/04	SW	.XXX	±.005	TITLE OUTLINE – 56C FRAME TENV – "C" FACE	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 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	16993000	SIZE	DRAWING NO.
				DIST			A	169930.00
								REV.
								01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

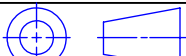


LINE LEADS



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

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				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RDW 04/12/02		
				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 EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR	SCALE 1:1		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXX	±.005		REF FIG. 2-51		
11	ADD REV TO MATCH ORACLE	KJH 06/08/09	MDN	.XXXX	±.0005	MAT'L DECAL - 004014	FMF		
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	PAGE OF		
THIRD ANGLE PROJECTION 			RFP 04/12/02		PREV		SIZE A	DRAWING NO 005010-01	REV 12
			NETWORK FILE NAME 00501001						



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

CATALOG #: 191205.00

CONN. DIAGRAM: 005010.01

OUTLINE: 16993000

MOUNTING: F1 ONLY

WINDING #: QT6348 NR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&1/3	0.37&0.25	1800	1740&1440	56C	TENV	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	208-230/460&190/380	1.5-1.6/.8&1.6/.8	ACROSS THE LINE	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	79.9	1/2 LOAD EFF:	75.4	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	68	3/4 LOAD PF:	59.1	1/2 LOAD PF:	46.3	-		SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 OZ-FT	12 / 6	70.5 OZ-FT 294 %	89 OZ-FT 371 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	-1 LB-FT^2	- LB-FT^2	- SEC.	-	- LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1045 HOT ROLLED (C-204)	STAINLESS STEEL
6205	6205						

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

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INVERTER TORQUE: NONE
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

191205.00



Data @ 460 V

Motor Load Data

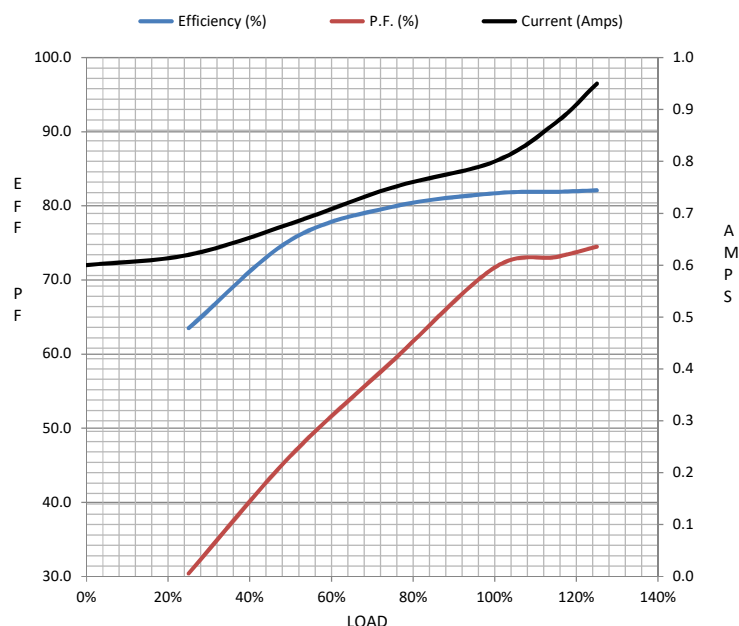
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.60	0.62	0.68	0.75	0.80	0.88	0.95	6.0	
Torque (ft-lb)	0.00	96.1	192	288	384	6,923	480	1,129	
RPM	1800	1788	1776	1765	1752	1,746	1738	0	
Efficiency (%)		63.5	75.4	79.9	81.7	81.9	82.1		
P.F. (%)	11.9	30.4	46.3	59.1	71.7	73.1	74.5	0.0	

Motor Speed Data

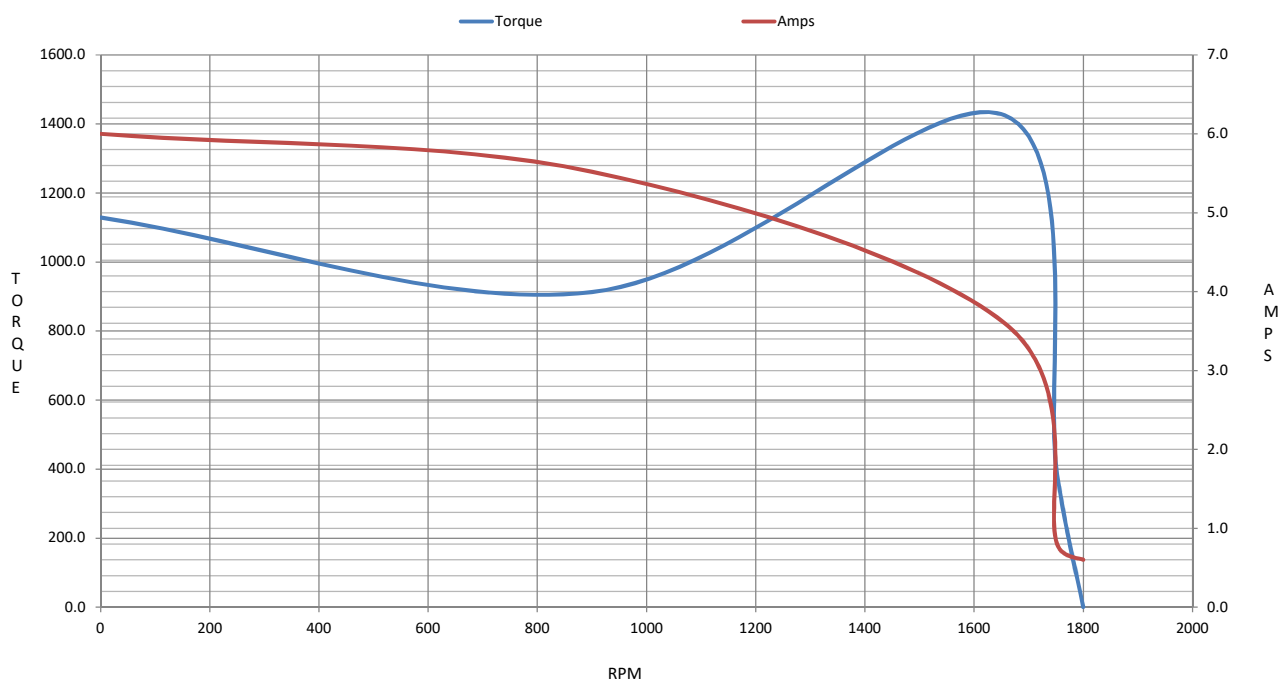
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1752	1800
Current (Amps)	6.0	5.5	3.6	0.80	0.60
Torque (ft-lb)	1,129	913	1,425	384	0.00

Information Block

HP	0.5			
Sync. RPM	1800			
Frame	0			
Enclosure	TENV			
Construction	NA			
Voltage	208-230/460#190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	73	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	-1.00	Lb-Ft²		
Ref Wdg	QT6348 NR			
Sound Pressure @ 1M	999	dBA		
VFD Rating	NONE			
Outline Dwg	16993000			
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 : 191205.00

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

Catalog No : 191205.00

Rework No : N/A

Directives :

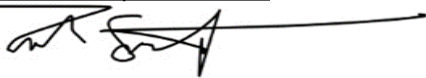
Low Voltage Directive 2014/35/EU

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