

# PRODUCT INFORMATION PACKET



Model No: 102869.00

Catalog No: 102869.00

General Purpose Motor, 0.33 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, S56C Frame, TENV

Operational at 115/208-230 V @60HZ



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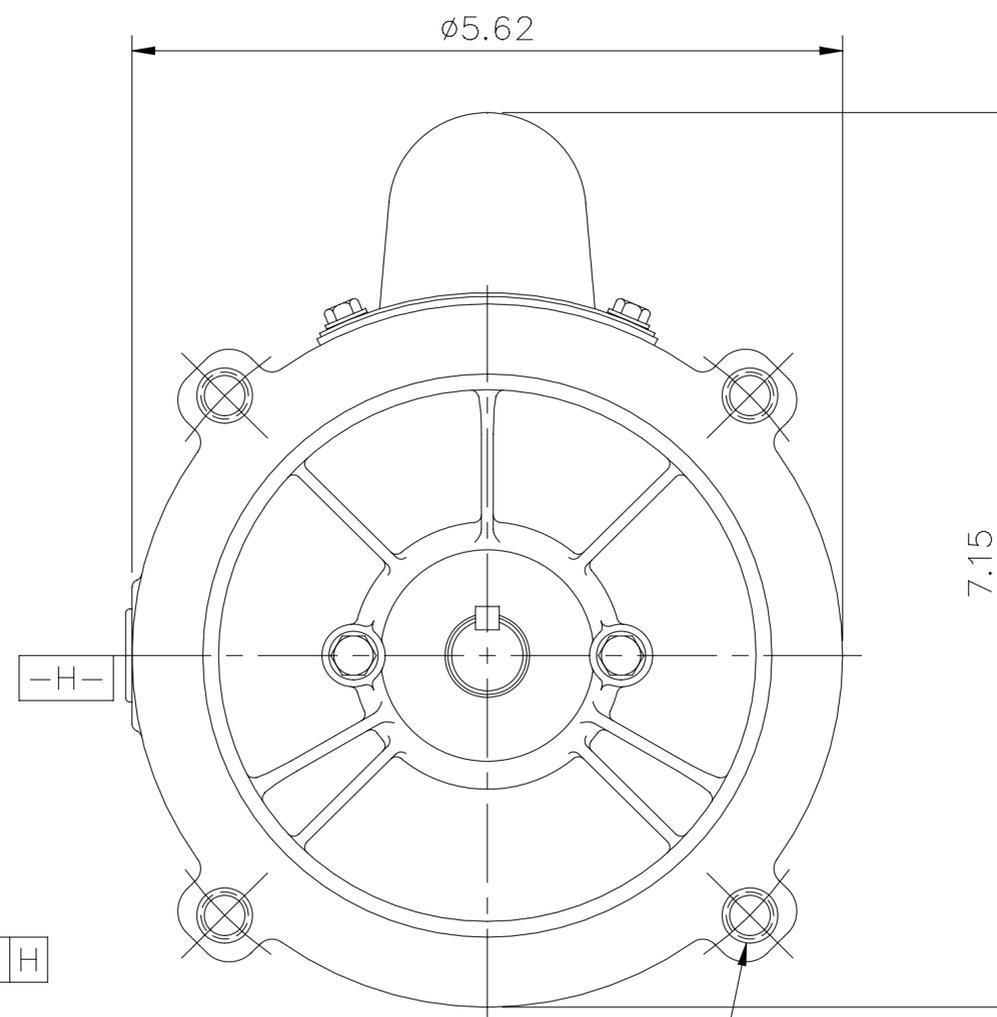
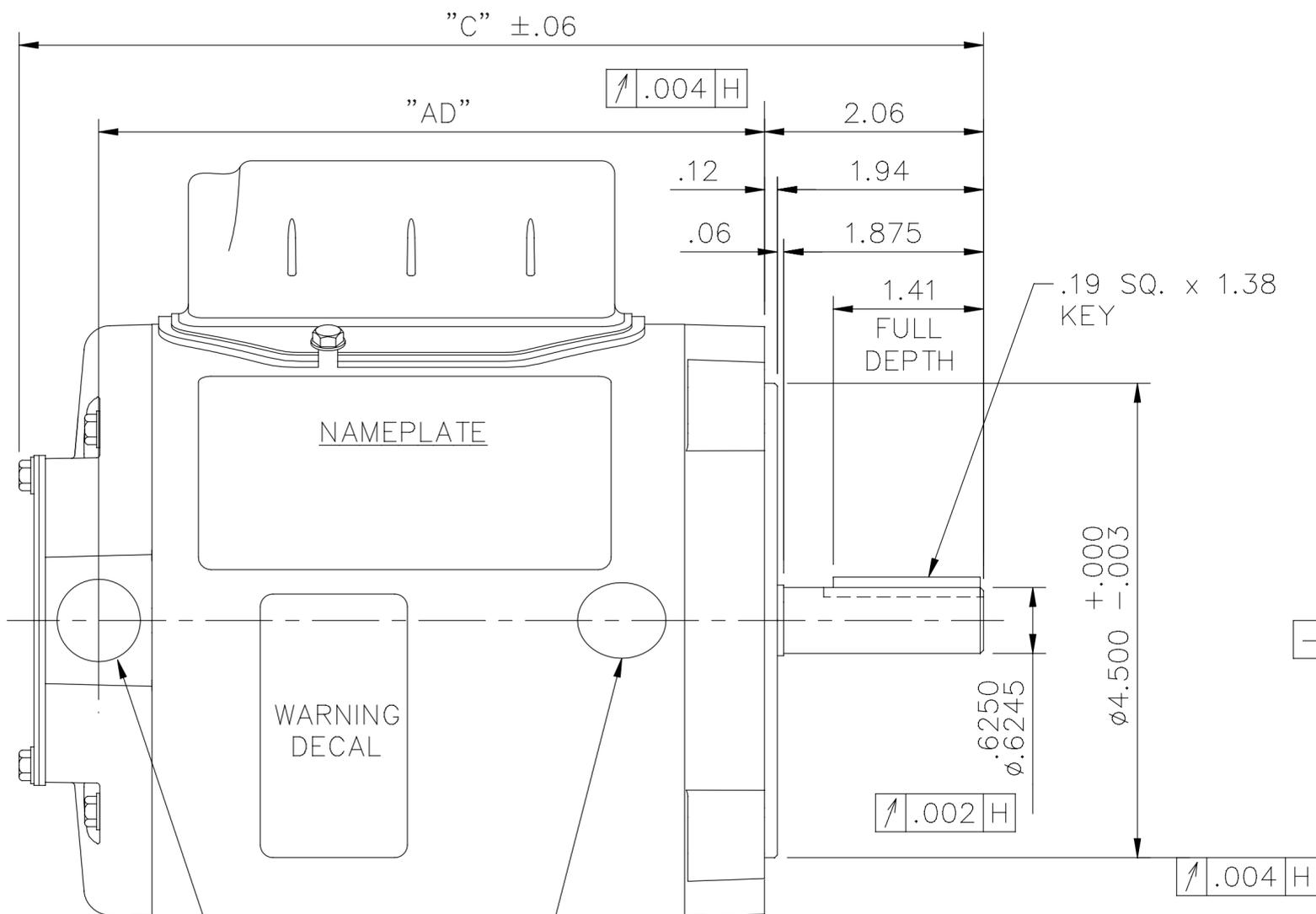
**Nameplate Specifications**

Phase	1	Output HP	0.33 Hp
Output KW	0.25 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.15
Frame	S56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Manual	Efficiency	65 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	5.2/2.6 A	Power Factor	63
Duty	Continuous	Insulation Class	F
Design Code	N	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

**Technical Specifications**

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	1.564 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	10.30 in
Frame Length	6.25 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	031754-625	Connection Drawing	005003.52

031754



1/2-14 NPT  
CONDUIT HOLE  
(PLUGGED)

EFF. DECAL  
(WHEN REQUIRED)

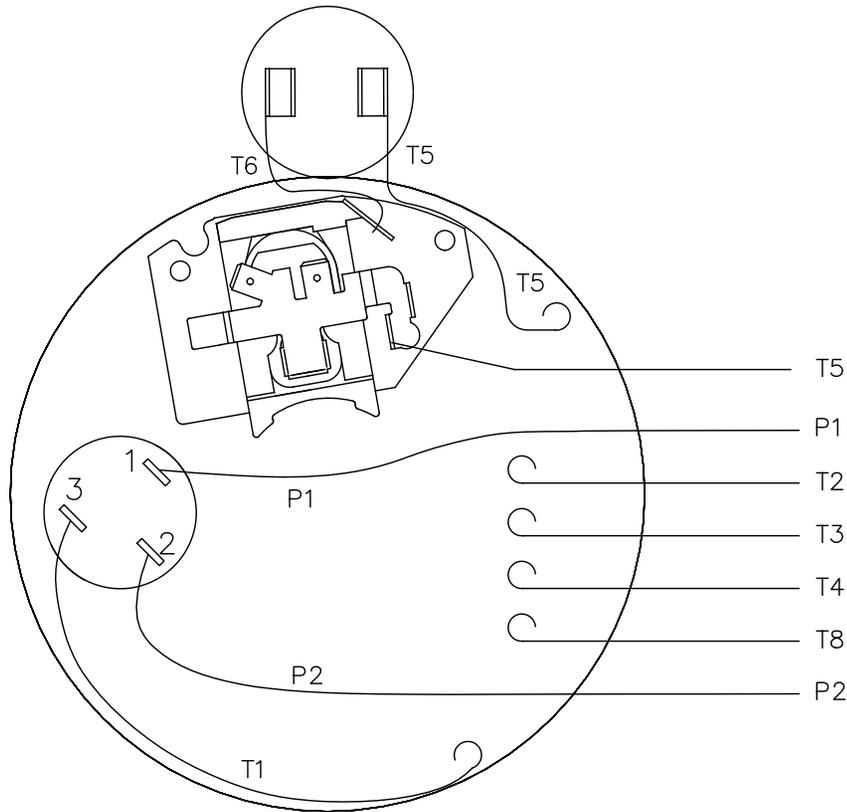
GASKETS THROUGHOUT

3/8-16 UNC 2B TAP x .56 DEEP  
(4) REQ'D. ON A Ø5.875 B.C.

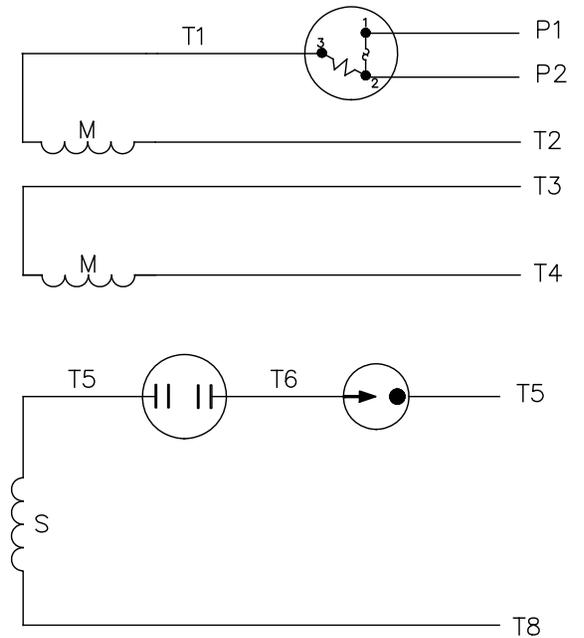
DASH NO.	"C"	"AD"
475	8.80	6.00
500	9.05	6.25
525	9.30	6.50
550	9.55	6.75
575	9.80	7.00
600	10.05	7.25
625	10.30	7.50
650	10.55	7.75
675	10.80	8.00
700	11.05	8.25

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PG 10/27/03
				DEC.	INCHES		CHK
				.X	±.1		APPD
				.XX	±.03		SCALE 1=2
				.XXX	±.005	TITLE	REF 031727
A	UPDATED WITH CAP BOX, WARNING DECAL & EFF DECAL	SL	10/08/15	VS	.XXXX ±.0005	MAT'L.	1 PHASE
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	STANDARD
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	031754	SIZE
				DIST			DRAWING NO.
						A	031754
							REV.

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2, T3 T8	P2
	C.W.	P1	T4 T8	T2, T3 T5	P2
LOW VOLT	C.C.W.	P1	T2, T4 T5	P2, T3 T8	--
	C.W.	P1	T2, T4 T8	P2, T3 T5	--

		TOLERANCES UNLESS SPECIFIED		REGAL™ Regal Beloit America, Inc.		DRAWN PG 6/8/01			
		DEC.	INCHES			CHK			
		.X	±.1			APPD			
		.XX	±.01	TITLE		SCALE 1=1			
02	CHANGED CAMPANY LOGO ONLY	AS	11/08/16	.XXX	±.005	REF 005003-01			
01	MOVED T5 TO "INSIDE" SWITCH TERMINAL	PG	8/2/01	CD	.XXXX ±.0005	MAT'L. DUAL VOLTAGE - DUAL ROTATION			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH DECAL - 004011			
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	00500352	SIZE A	DRAWING NO. 005003-52	REV. 02
				DIST					



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

**CERTIFICATION DATA SHEET**

**CATALOG #:** 102869.00

**CONN. DIAGRAM:** 005003.52

**OUTLINE:** 031754-625

**MOUNTING:** F1 ONLY

**WINDING #:** CE484255 NR 3 B

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	0.25	1800	1725	S56C	TENV	J	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	5.2/2.9-2.6	ACROSS THE LINE	CONTINUOUS	F3	1.15	40

FULL LOAD EFF:	65	3/4 LOAD EFF:	60.4	1/2 LOAD EFF:	52.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	63	3/4 LOAD PF:	53.8	1/2 LOAD PF:	43.5	62	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15.87 OZ-FT	22.8 / 11.4	60.7 OZ-FT 379 %	44.2 OZ-FT 276 %	90

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	-1 LB-FT^2	0 LB-FT^2	0 SEC.	0	21 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	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	MULTEMP SRL	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

\*  
N  
O  
T  
E  
S

<b>INVERTER TORQUE:</b> NONE
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE NONE NONE NONE NONE PPR
<b>BRAKE:</b> NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

