

PRODUCT INFORMATION PACKET



Model No: 102696.00

Catalog No: 102696.00

WATTSAYER® General Purpose Motor, 0.33 & 0.33 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,
1800 & 1500 RPM, S56C Frame, TEFC



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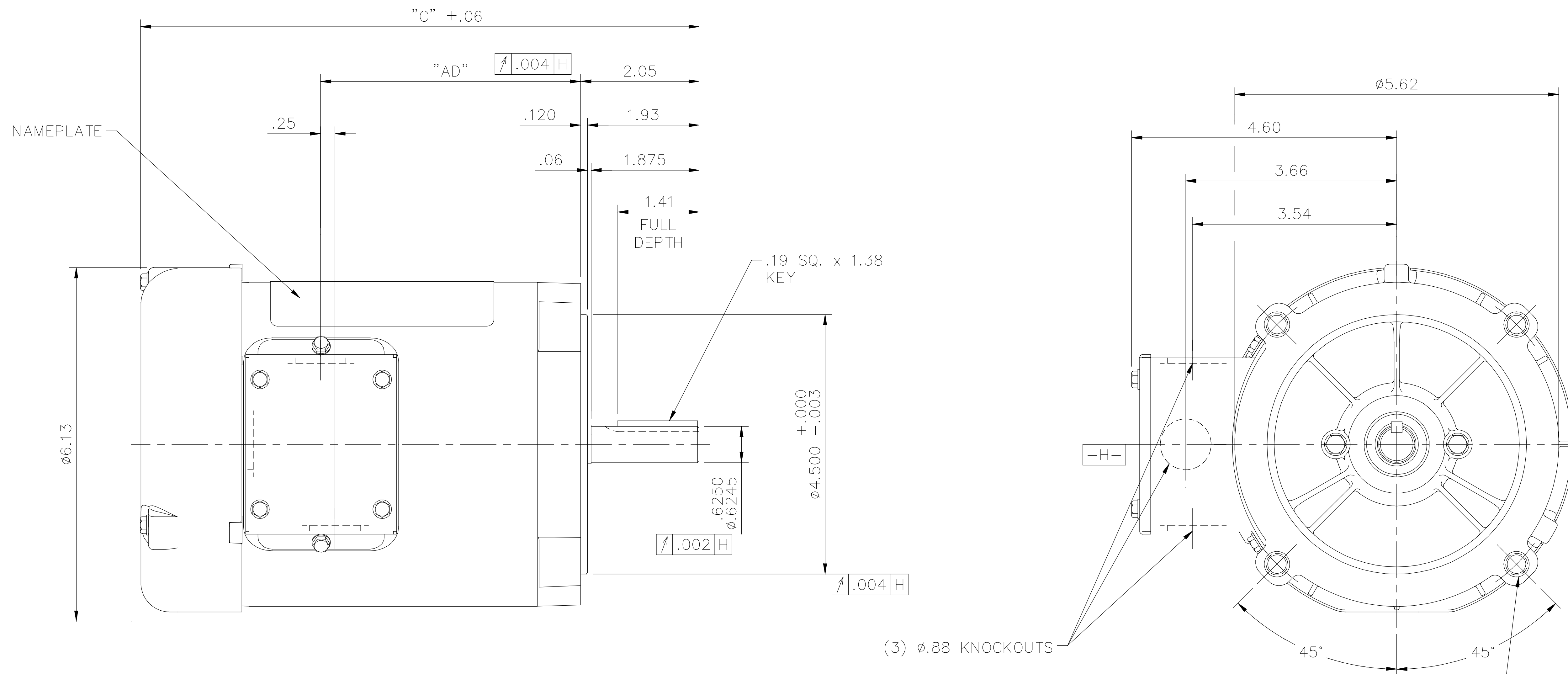


Nameplate Specifications

Phase	3	Output HP	0.33 & 0.33 Hp
Output KW	0.25 & 0.25 kW	Voltage	208-230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.25 & 1.25
Frame	S56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	77 & 77 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.3/.65 & 1.5/.75 A	Power Factor	60
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	M
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	11.27 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	10.19 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	031637-550	Connection Drawing	005010.20



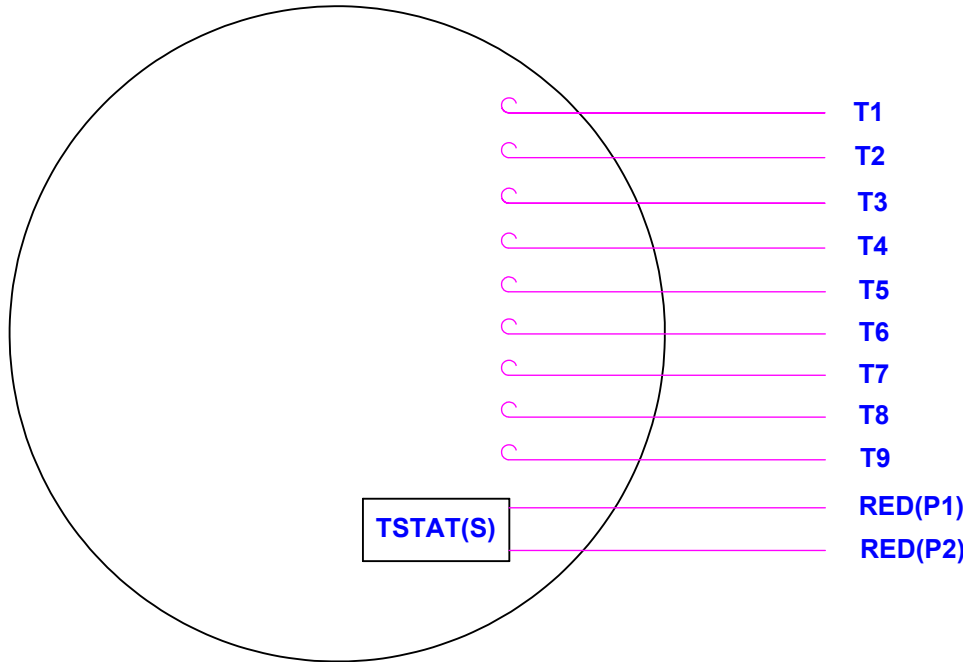
DASH NO.	"C"	"AD"
475	9.44	4.25
500	9.69	4.50
525	9.94	4.75
550	10.19	5.00
575	10.44	5.25
600	10.69	5.50
625	10.94	5.75
650	11.19	6.00
675	11.44	6.25
700	11.69	6.50
725	11.94	6.75
750	12.19	7.00

3/8-16 UNC 2B TAP x .56 DEEP
(4) REQ'D. ON A ø5.875 B.C.

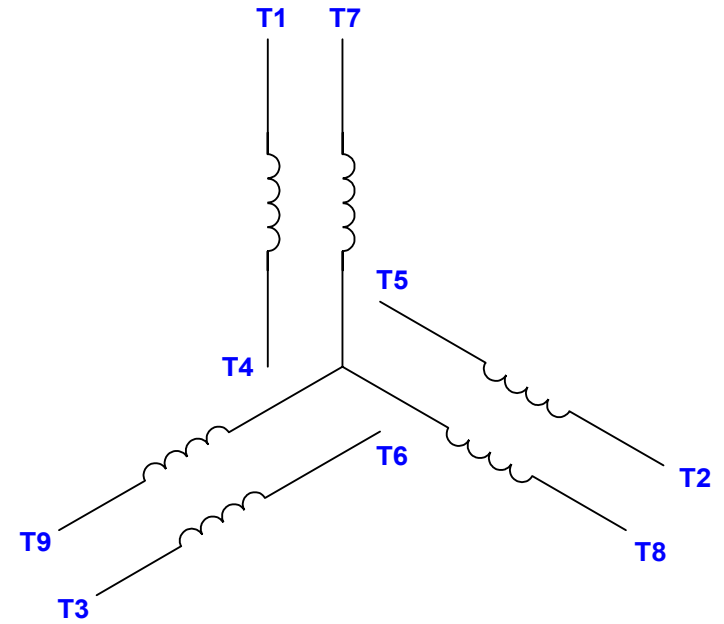
GASKETS THROUGHOUT

		TOLERANCES UNLESS SPECIFIED		REGAL™ Regal Beloit America, Inc.		DRAWN PG 7/12/01	
		DEC.	INCHES			CHK	
		.X	±.1			APPD PG 7/12/01	
03	UPDATED SHAFT KEYWAY VIEW	UD	11/27/18	.XX	±.03	TITLE OUTLINE - S56C FRAME	
02	ADDED DASH NO. 475 TO TABLE (102184.00)	PG	9/19/02	.XXX	±.005	"C" FACE MOUNT - TEFC	
01	REVISED CALLOUT FOR GD&T	KMM	6/6/02	PG	.XXXX ±.0005	MAT'L. 3 PHASE	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	
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	031637	SIZE B
				DIST	DRAWING NO. 031637		REV. 02

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

DRAWING REVISION H REVISION BY KVDG DATE 09/18/2024

ECO ECR-0237142 APPROVED BY DS DATE 09/19/2024

ECO DESCRIPTION ADDED P1 & P2 FOR TSTAT

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125/3.2 INCH/mm

mm SHOWN IN [BRACKETS]

DRAWN BY DBT 12/16/97

DATE

APPROVED BY KH 12/17/97

DATE

REFERENCE THIRD ANGLE PROJECTION



DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE WITH PROTECTOR

MATERIAL DECAL - 004014 (TSTAT) - 080582	PROCESS/FINISH STOCK
SIZE A	DRAWING NUMBER 00501020
	SHEET 1 OF 1



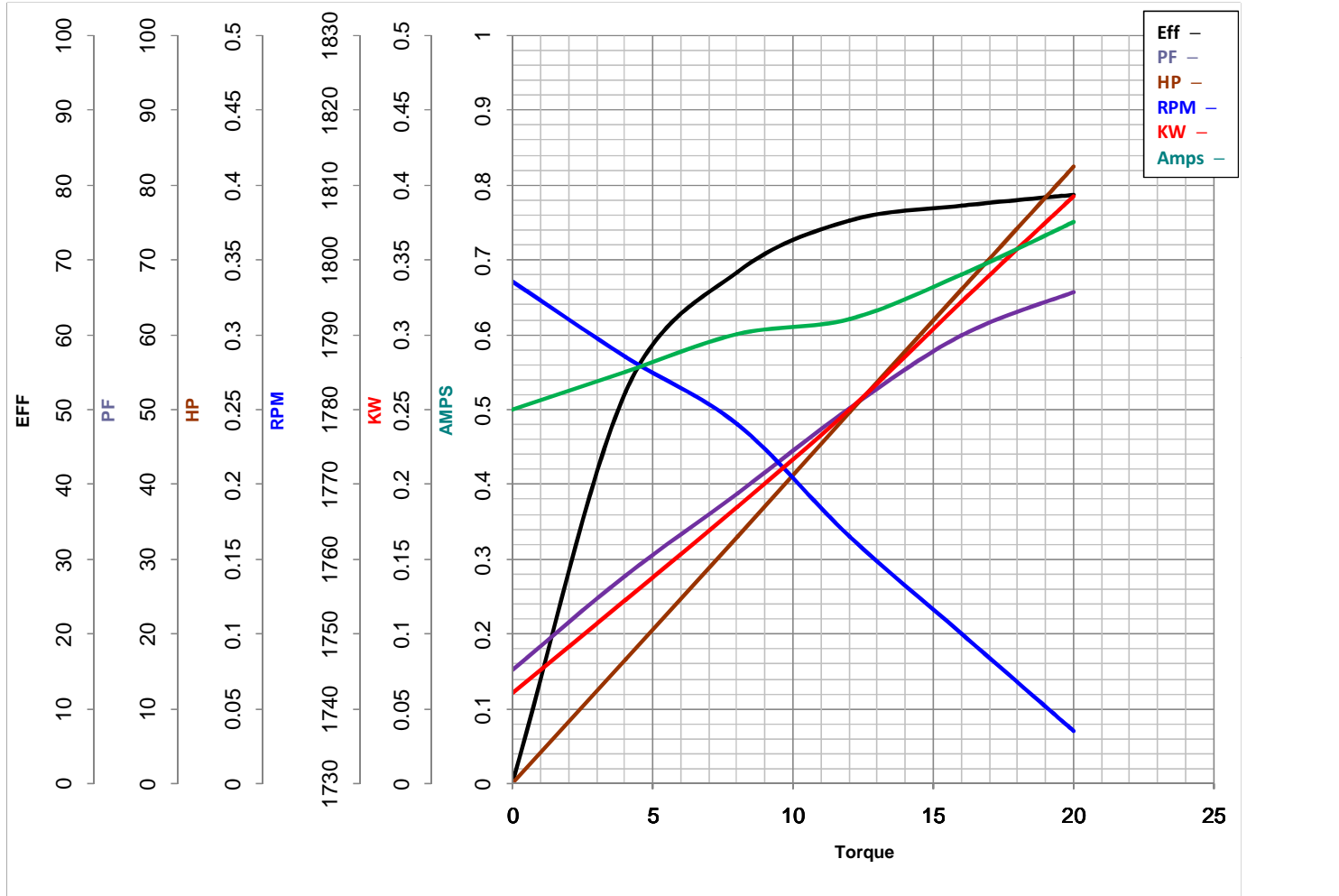
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 102696.00

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Curve at 460 Volts HP 0.33&0.33 PHASE 3
60 HZ
0.33 HP VOLTS 208-230/460&190/380

HZ 60&50 RPM 1725&1425



FL TORQUE	<u>16</u>	Oz.Ft	FL AMPS	<u>1.3/65</u>	
BD TORQUE	<u>90.4</u>	Oz.Ft	PU TORQUE	<u>76.3</u>	Oz.Ft
LR TORQUE	<u>78.6</u>	Oz.Ft	LR AMPS	<u>4.62</u>	
WINDING	TE48462-3		Date	5/21/2018	

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 : 102696.00

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

Catalog No : 102696.00

Rework No : N/A

Directives :

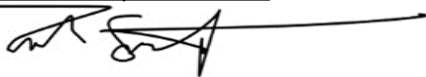
Low Voltage Directive 2014/35/EU

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