

# PRODUCT INFORMATION PACKET

Model No: 102914.00

Catalog No: 102914.00

General Purpose Motor, 0.25 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, S56 Frame, TENV



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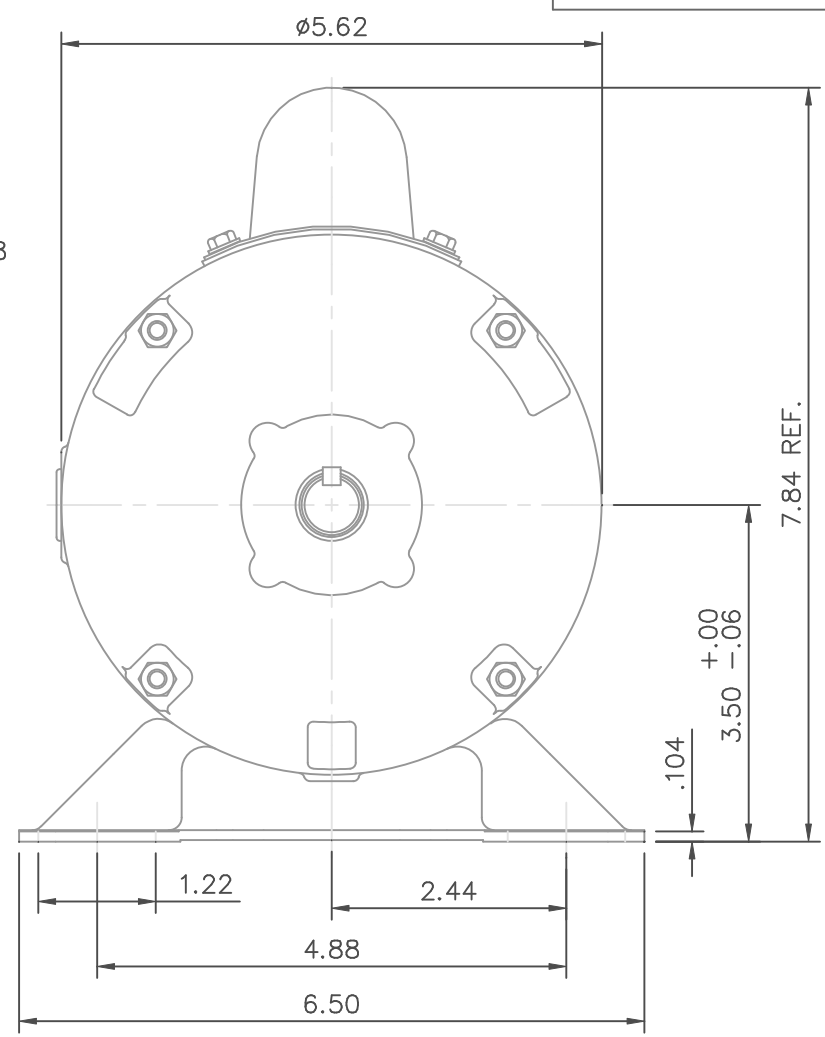
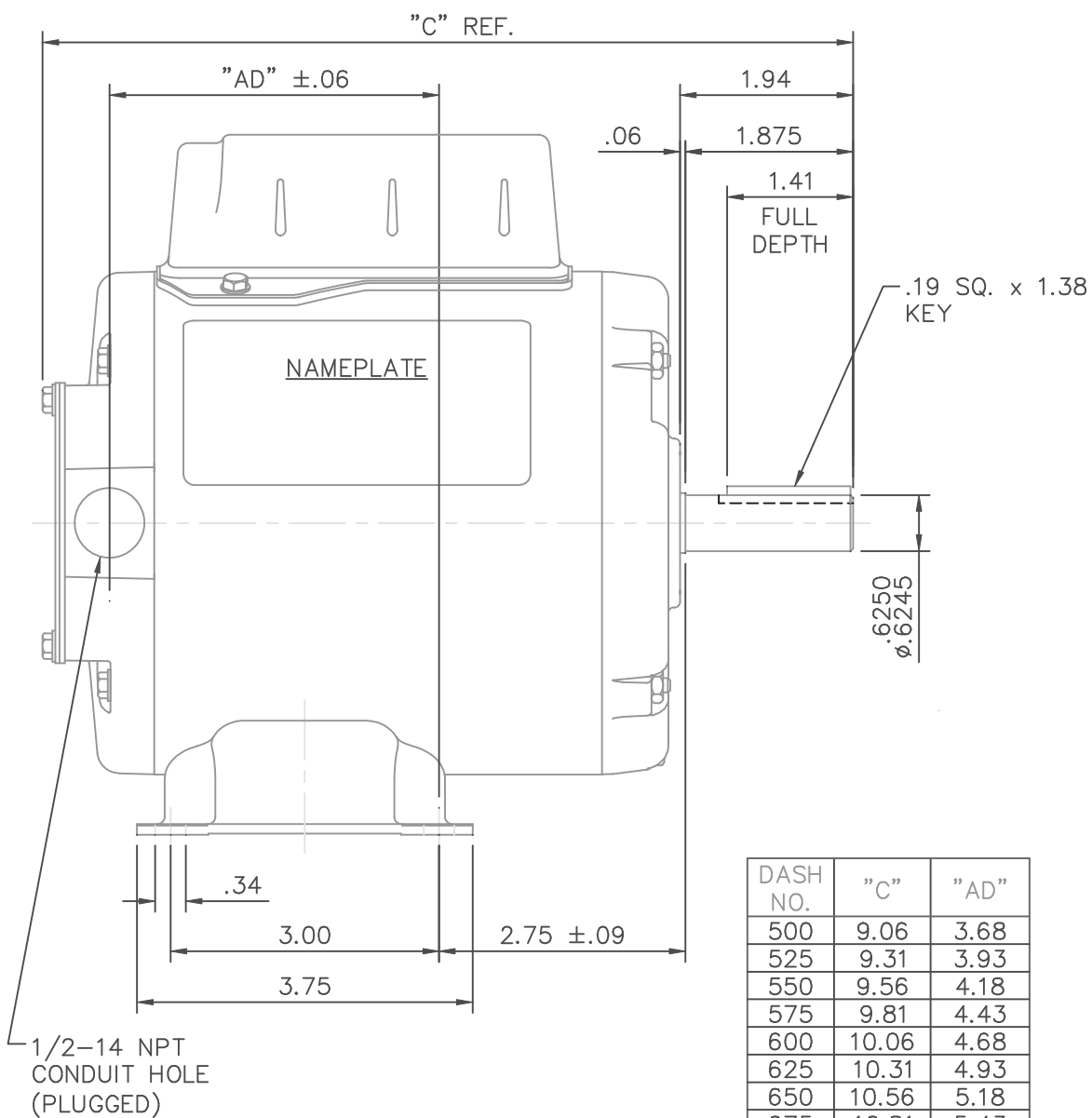
**Nameplate Specifications**

Output HP	<b>0.25 Hp</b>	Output KW	<b>0.19 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/208-230 V</b>
Current	<b>4.6/2.4-2.3 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>62 %</b>	Power Factor	<b>57</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>N</b>	KVA Code	<b>N</b>
Frame	<b>S56</b>	Enclosure	<b>Totally Enclosed Non Ventilated</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

**Technical Specifications**

Electrical Type	<b>Capacitor Start Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>59.9 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>NEMA 56</b>	Overall Length	<b>9.81 in</b>
Frame Length	<b>5.75 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>005005.44</b>	Outline Drawing	<b>031767-575</b>

031767



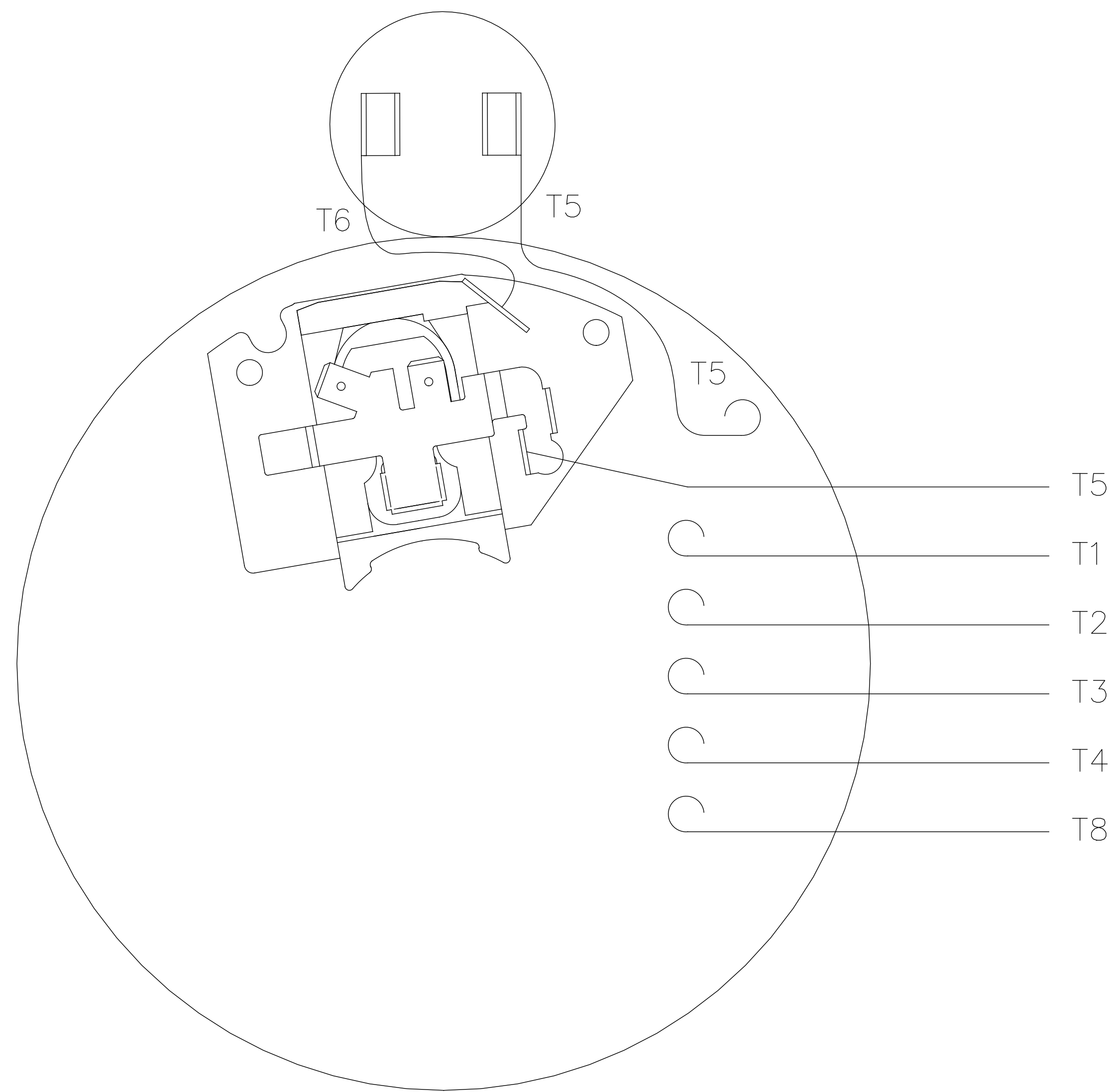
DASH NO.	"C"	"AD"
500	9.06	3.68
525	9.31	3.93
550	9.56	4.18
575	9.81	4.43
600	10.06	4.68
625	10.31	4.93
650	10.56	5.18
675	10.81	5.43

GASKETS THROUGHOUT

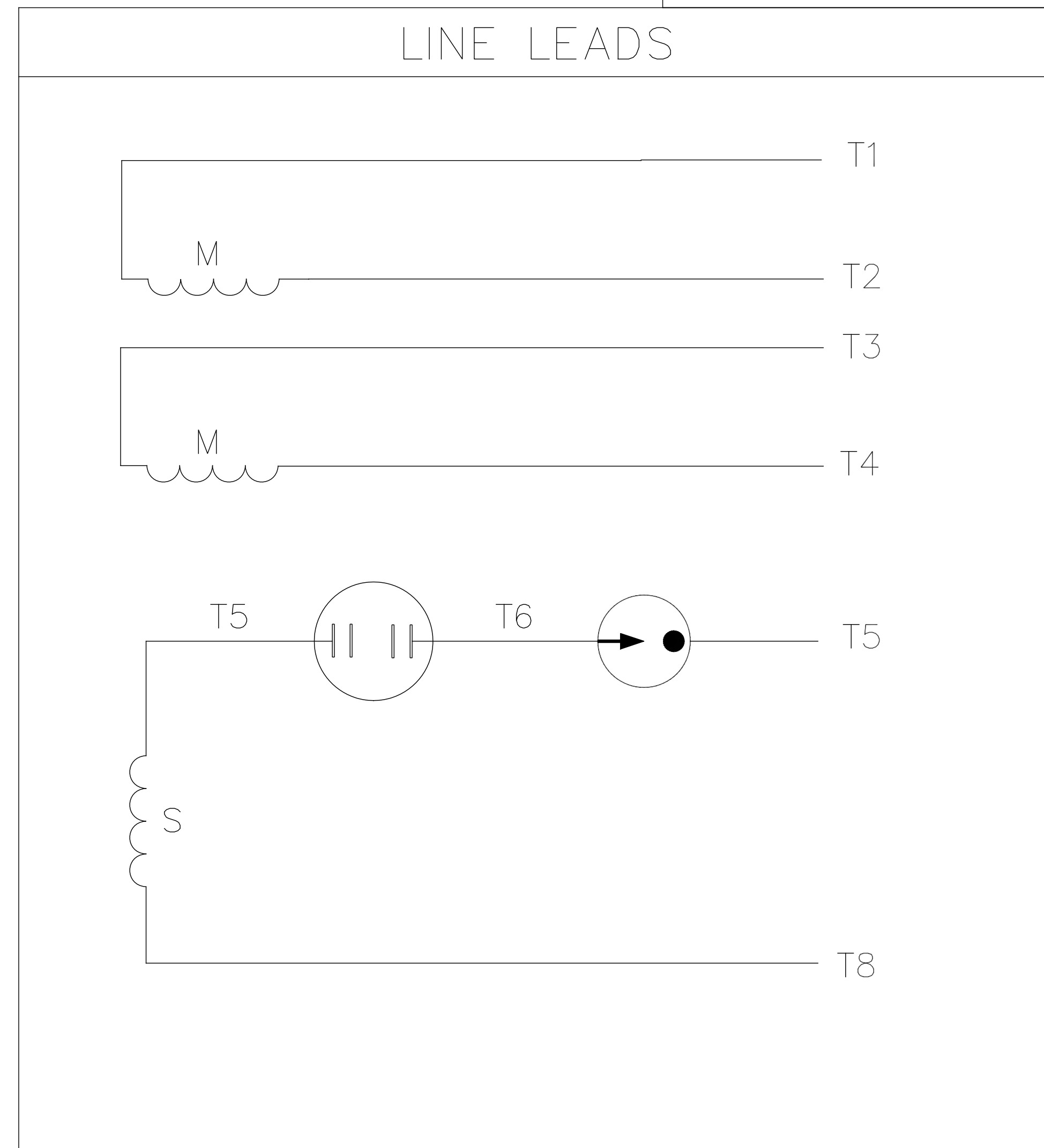
				TOLERANCES UNLESS SPECIFIED		<b>LEESON</b> ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PG 3/30/04
				DEC.	INCHES		CHK
				.X	±.1		APPD
				.XX	±.03		TITLE
				.XXX	±.005		OUTLINE - S56 FRAME RIGID MOUNT - TENV
				.XXXX	±.0005	MAT'L.	SCALE 1=2
				ANG	±1/2'	FINISH	REF 031619
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	STANDARD	FMF 102914.00
				RFP		CAD FILE	PREV
				DIST		031767	SIZE A
						DRAWING NO.	REV.
						031767	

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005005-44



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	T1	T4,T5	T2,T3 T8
	C.W.	T1	T4,T8	T2,T3 T5
LOW VOLT	C.C.W.	T1 T3,T8	T2,T4 T5	
	C.W.	T1 T3,T5	T2,T4 T8	

				TOLERANCES UNLESS OTHERWISE SPECIFIED			 <b>Regal Beloit America, Inc.</b>				
				DEC.	INCHES	METRIC					
				.X	±.1	±.25	DRAWN	PG 5/7/01	TITLE		EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR
				.XX	±.01	±.25	APPR.		MAT'L.		DUAL VOLTAGE – DUAL ROTATION
01	MOVED T5 TO "INSIDE" SWITCH TERMINAL	PG 8/2/01		.XXX	±.005	±.127	R.F.P.				
NO.	REVISION	BY & DATE	CH'K'D.	.XXXX	±.0005	±.0127	SCALE	5=8			
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				FRACTIONS	±1/64		REF.	005005-01	FINISH	REV.	DRAWING NO.
				ANGLES	±1/2°		FMF	100006		01	005005-44



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005005.44  
OUTLINE: 031767-575  
WINDING #: CE484249 3 B

CATALOG #: 102914.00  
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/4	0.19	1800	1725	S56	TENV	N	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	4.6/2.4-2.3	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF:	62	3/4 LOAD EFF:	57.4	1/2 LOAD EFF:	49.8	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	57	3/4 LOAD PF:	50.2	1/2 LOAD PF:	41.3	57.5	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
12 OZ-FT	27 / 13.5	55 OZ-FT 458 %	37 OZ-FT 308 %	64.2

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	25 LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	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	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

\*  
N  
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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

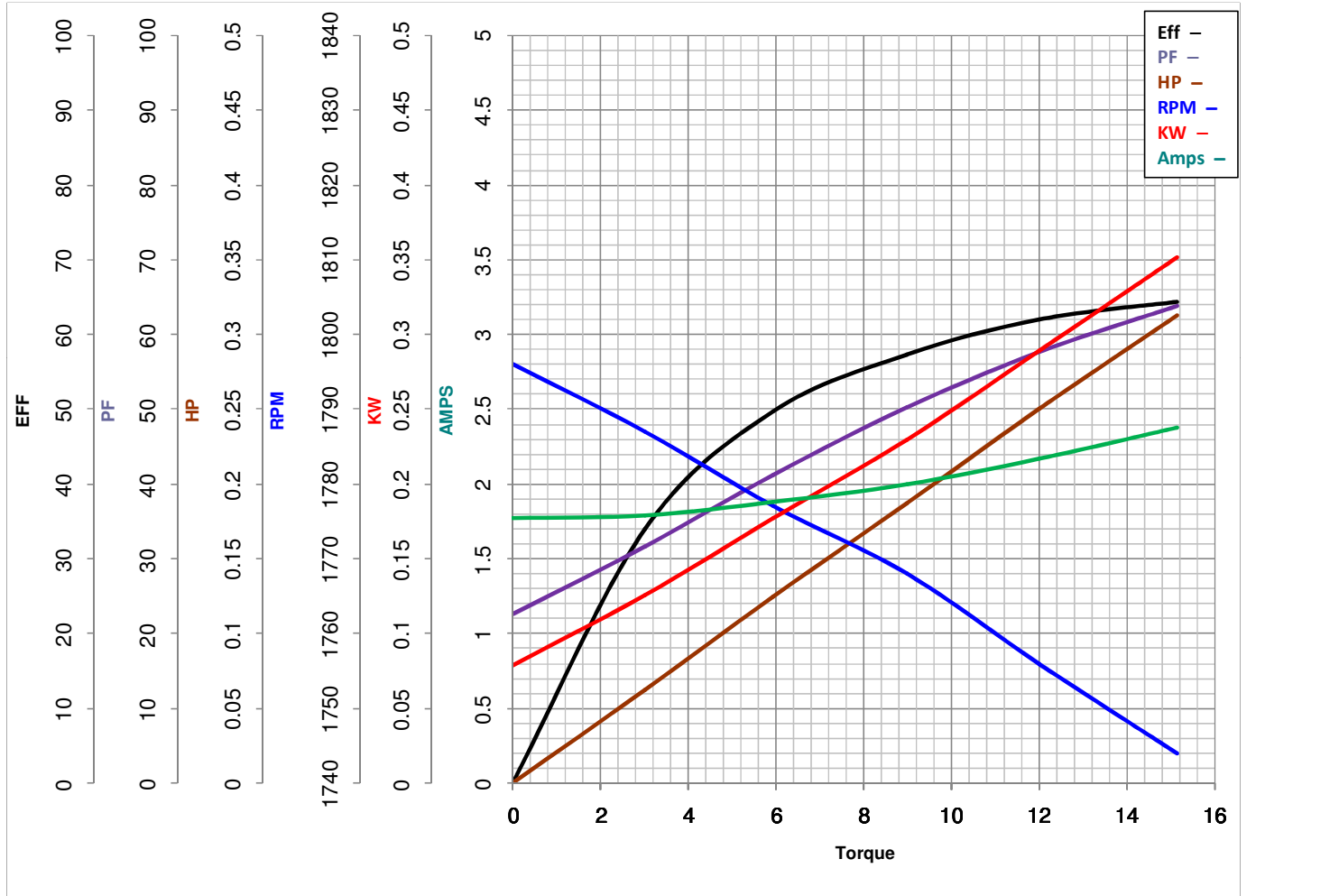


**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 102914.00

Catalog No 102914.00

Curve at 230 Volts      HP 0.26      PHASE 1  
60 HZ  
0.25 HP      VOLTS 115/208-230  
HZ 60      RPM 1725



Torque in Oz.Ft

FL TORQUE 12 Oz.Ft  
 BD TORQUE 37.0 Oz.Ft  
 LR TORQUE 55 Oz.Ft

FL AMPS 4.6/2.4-2.3  
 PU TORQUE 34.8 Oz.Ft  
 LR AMPS 13.5

WINDING CE484249-3

Date 3/22/2018