

# PRODUCT INFORMATION PACKET



Model No: 100700.00  
Catalog No: 100700.00  
Agricultural Motor, 0.33 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 48Y Frame, TENV



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





### Nameplate Specifications

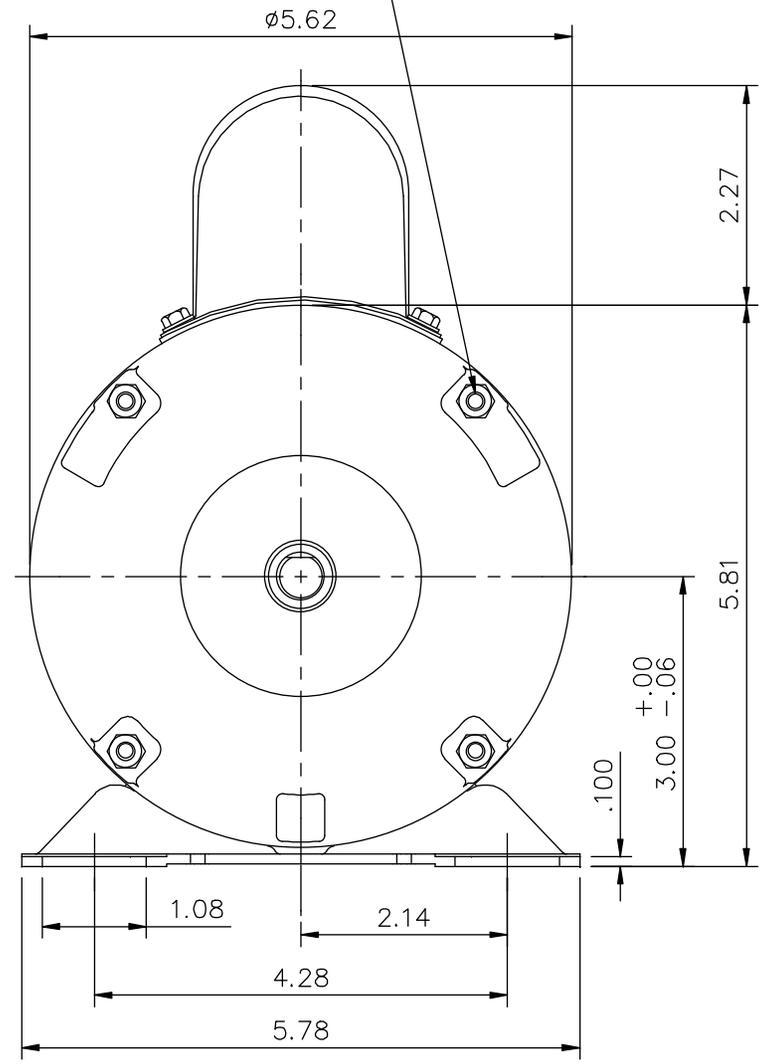
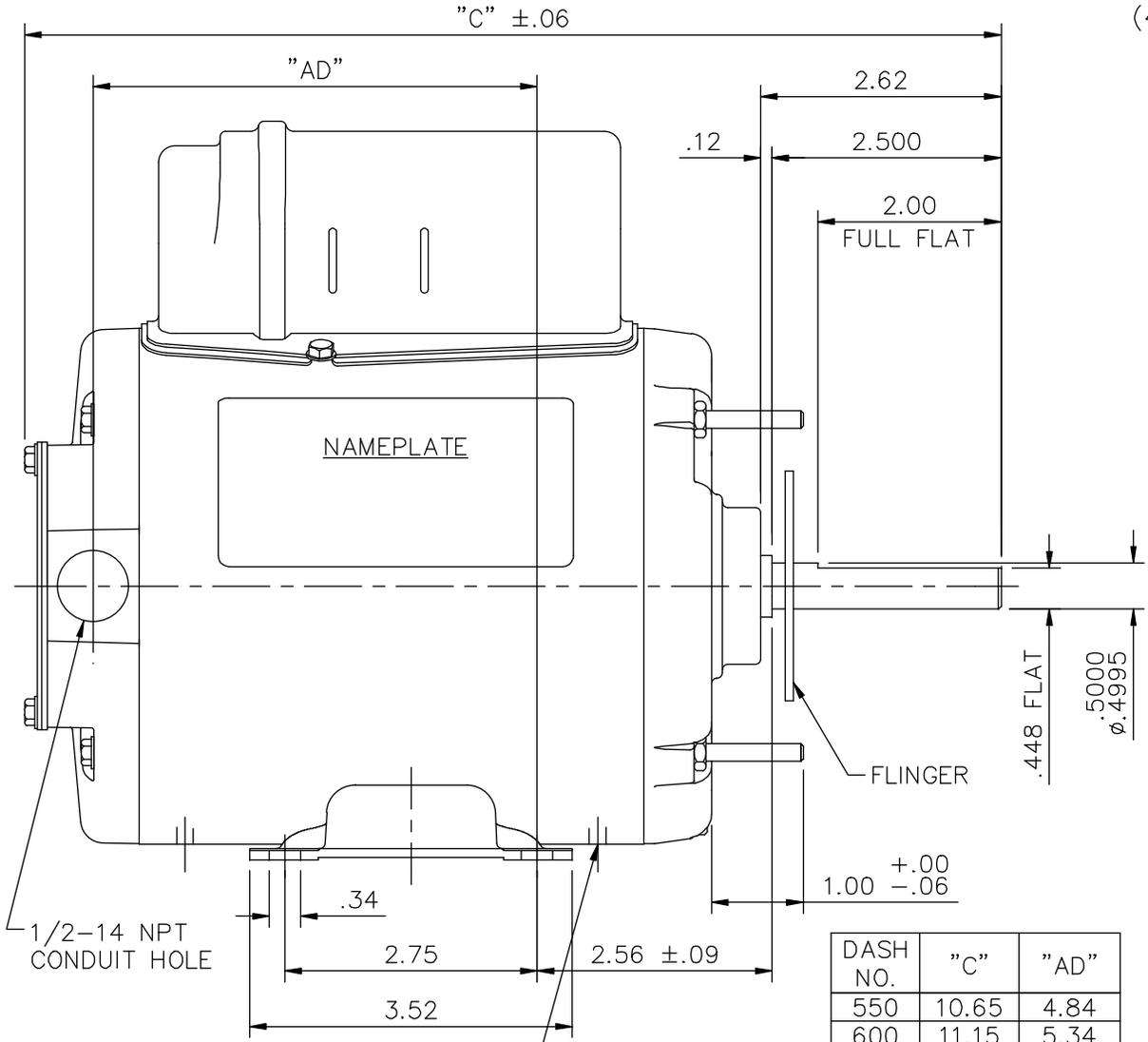
Output HP	<b>0.33 Hp</b>	Output KW	<b>0.25 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/230 V</b>
Current	<b>3.2/1.6 A</b>	Speed	<b>1625 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Efficiency	<b>72 %</b>	Power Factor	<b>94</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>N</b>	KVA Code	<b>D</b>
Frame	<b>48Y</b>	Enclosure	<b>Totally Enclosed Non Ventilated</b>
Thermal Protection	<b>Automatic</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>Permanent Split Capacitor</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>8.32 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 48</b>	Overall Length	<b>10.65 in</b>
Frame Length	<b>5.50 in</b>	Shaft Diameter	<b>0.500 in</b>
Shaft Extension	<b>2.5 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>031707-550</b>	Connection Drawing	<b>A-005109-15</b>

031707

10-32 UNF 2A THRU BOLTS  
(4) REQ'D. ON A Ø5.125 B.C.

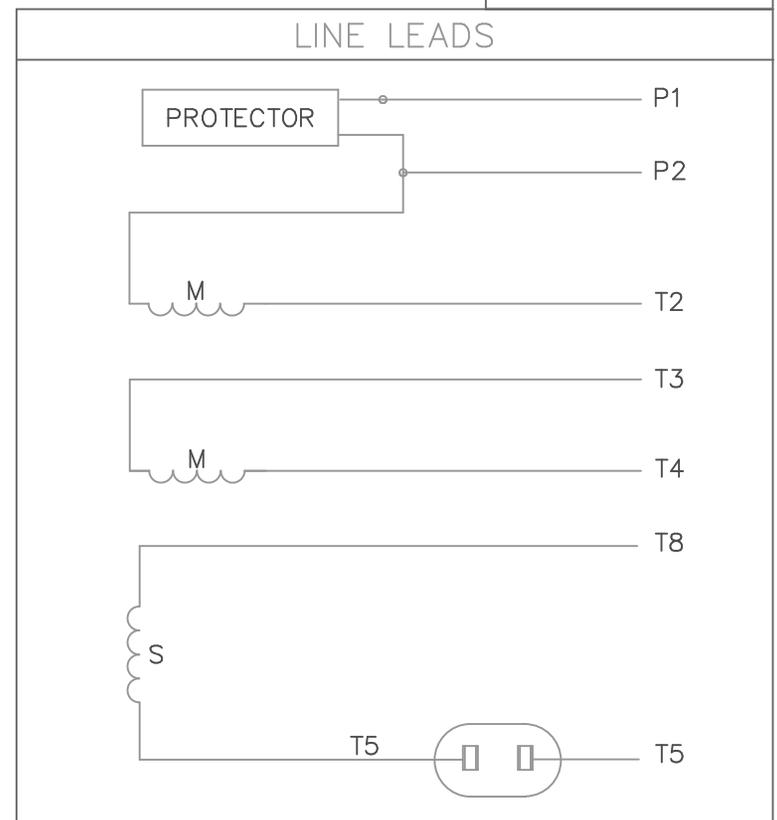
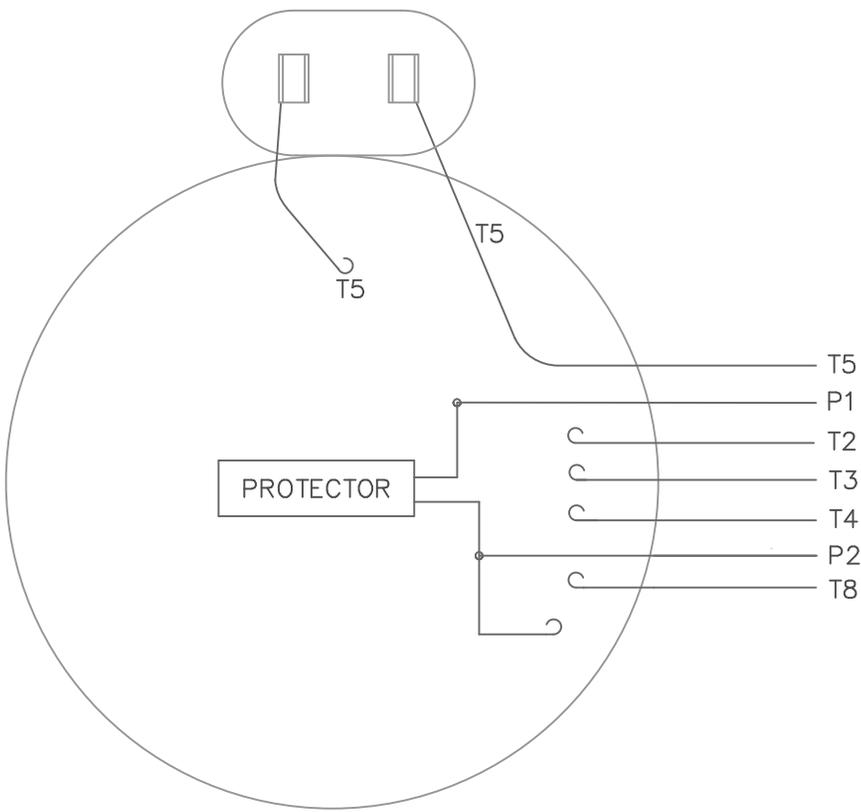


DASH NO.	"C"	"AD"
550	10.65	4.84
600	11.15	5.34
625	11.40	5.59
650	11.65	5.84
700	12.15	6.34

GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED		 <b>ELECTRIC MOTORS GEARMOTORS AND DRIVES</b>	DRAWN PG 7/24/02		
				DEC.	INCHES		CHK		
				.X	±.1		APPD		
				.XX	±.03		SCALE 1=2		
				.XXX	±.005		REF 030986		
				.XXXX	±.0005	MAT'L.	FMF 100700.00		
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 031707	SIZE A	DRAWING NO. 031707	REV.
			DIST						

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	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		 ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN PG 3/4/02		
		DEC.	INCHES			CHK		
		.X	±.1			APPD		
		.XX	±.01			SCALE 1=1		
		.XXX	±.005			REF 005109-01		
		.XXXX	±.0005	MAT'L. DECAL - 004011		FMF 102675		
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 00510915		SIZE A	DRAWING NO. 005109-15	REV.
			DIST					



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** A-005109-15

**CATALOG #:** 100700.00

**OUTLINE:** 031707-550

**MOUNTING:** F1 ONLY

**WINDING #:** PE484446 3 C

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	0.25	1800	1625	48Y	TENV	D	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	3.2/1.6	ACROSS THE LINE	CONTINUOUS	B3	1.0	40

FULL LOAD EFF:	72	3/4 LOAD EFF:	67.9	1/2 LOAD EFF:	60.6	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	94	3/4 LOAD PF:	92.6	1/2 LOAD PF:	89.9	68		PSC 1 SPEED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
16.48 OZ-FT	12 / 6	10 OZ-FT 62 %	34 OZ-FT 212 %	86.1

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.037 LB-FT^2	0 LB-FT^2	0 SEC.	0	24 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	GRAY - LIGHT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	PG-44A	STANDARD 48	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	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

