

# PRODUCT INFORMATION PACKET

Model No: 100905.00

Catalog No: 100905.00

General Purpose Motor, 0.50 HP, 3 Ph, 60 Hz, 208-230/460 V, 3600 RPM, 48 Frame, TEFC



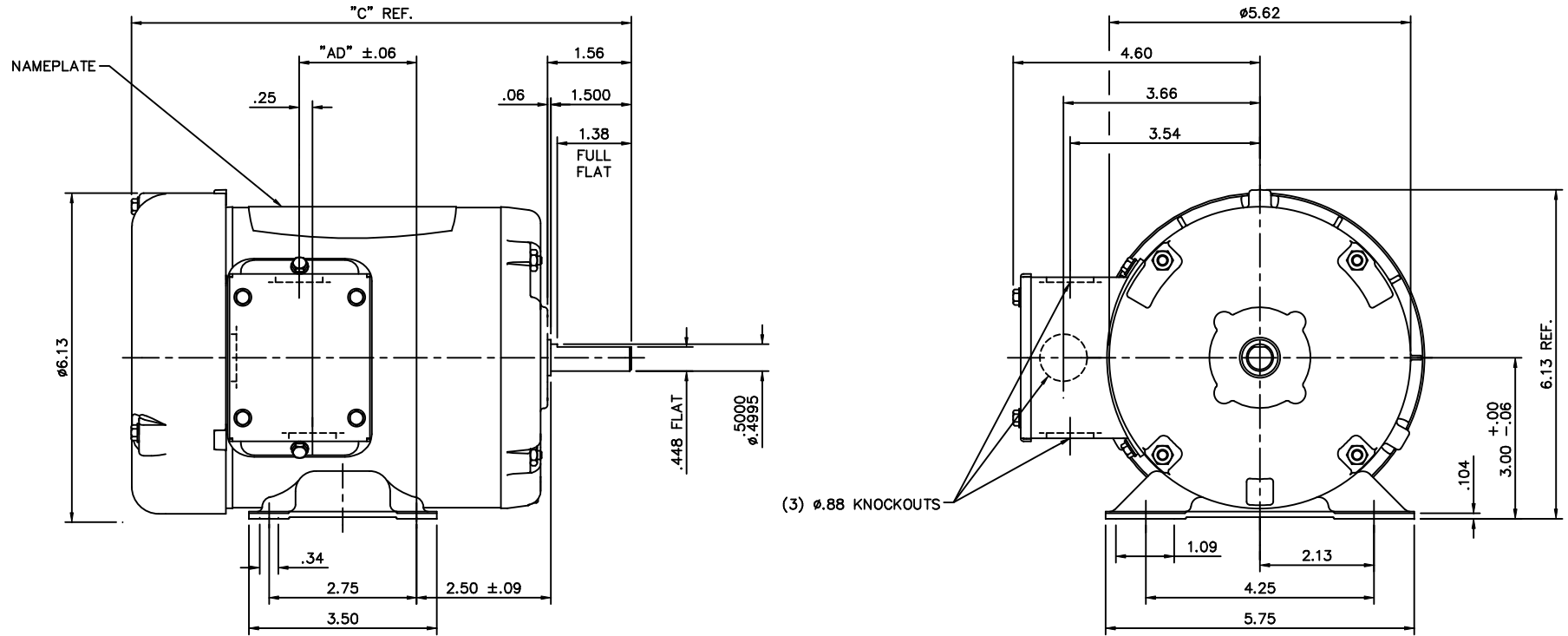
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**Nameplate Specifications**

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230/460 V</b>
Current	<b>1.8/0.90 A</b>	Speed	<b>3450 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>75 %</b>	Power Factor	<b>69</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>NO DESIGN CODE</b>	KVA Code	<b>L</b>
Frame	<b>48</b>	Enclosure	<b>Totally Enclosed Fan Cooled</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>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>0 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>9.56 in</b>
Frame Length	<b>5.25 in</b>	Shaft Diameter	<b>0.500 in</b>
Shaft Extension	<b>1.5 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>005010.01</b>	Outline Drawing	<b>031809-525</b>



DASH NO.	"C"	"AD"
450	8.81	1.69
475	9.06	1.94
500	9.31	2.19
525	9.56	2.44
550	9.81	2.69
575	10.06	2.94
600	10.31	3.19
625	10.56	3.44
650	10.81	3.69
675	11.06	3.94

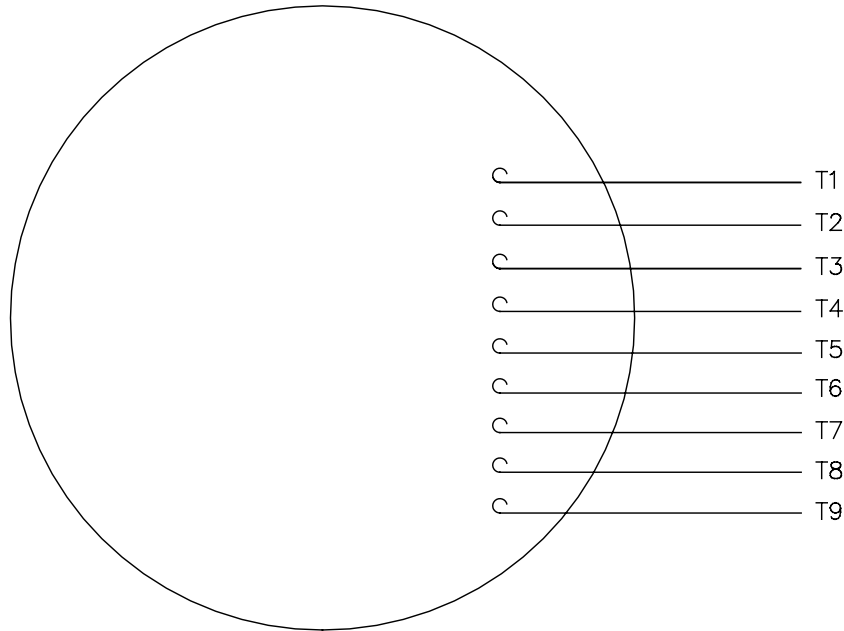
GASKETS THROUGHOUT

NO.		REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	CAD FILE		SIZE	DRAWING NO.	REV.
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				DIST								

TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN
DEC.	INCHES		PG 02/21/05
.X	±.1		CHK
.XX	±.03		APPD
.XXX	±.005		PG 02/21/05
.XXXX	±.0005	TITLE	SCALE
		OUTLINE - 48 FRAME	1=2
		RIGID MOUNT - TEFC	REF
		3 PHASE	030308
		MAT'L	FMF
			100905.00
			PREV

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

				TOLERANCES UNLESS SPECIFIED		TITLE	DRAWN RDW 04/12/02			
				DEC.	INCHES			CHK		
		.X	±.1			<b>Regal Beloit America, Inc.</b>	APPD			
		.XX	±.01				SCALE 1=1			
		.XXX	±.005				REF FIG.2-51			
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY .XXXX ±.0005				MAT'L. DECAL - 004014	FMF		
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