

PRODUCT INFORMATION PACKET



Model No: 102016.00

Catalog No: 102016.00

General Purpose Motor, 0.33 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 48 Frame, TEFC

Operational at 115/208-230 V @60HZ



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



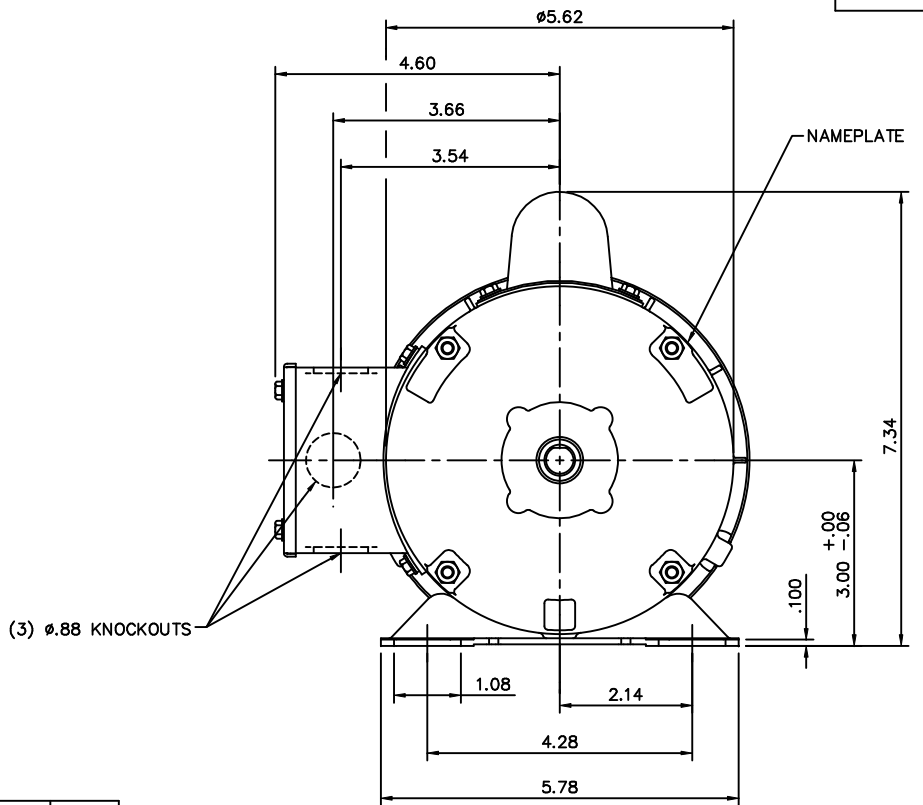
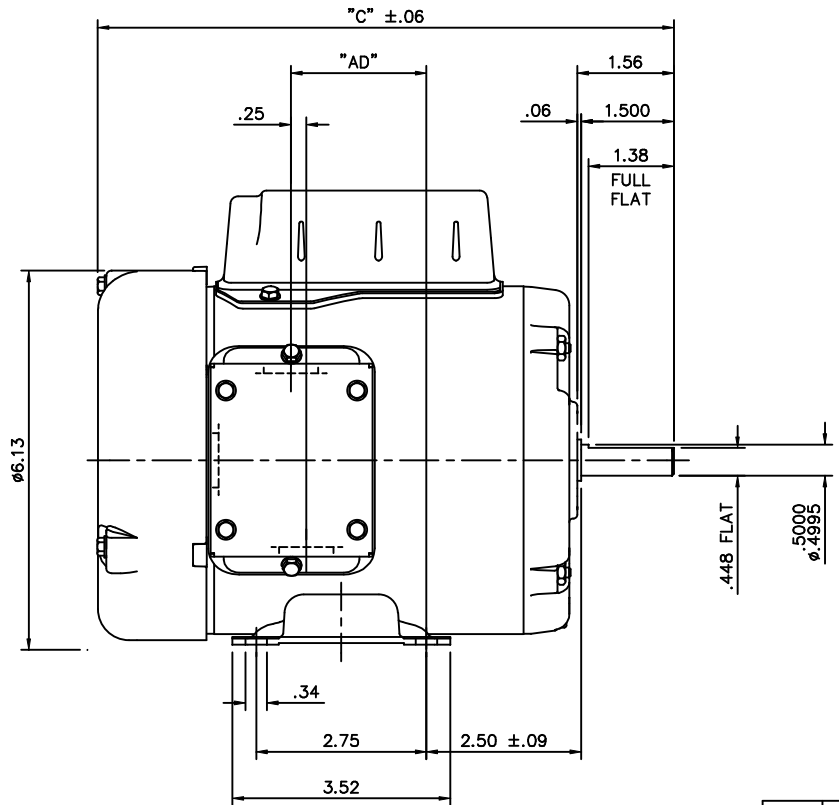


Nameplate Specifications

Phase	1	Output HP	0.33 Hp
Output KW	0.25 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.15
Frame	48	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	63 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	5.6/2.8 A	Power Factor	59
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	M
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

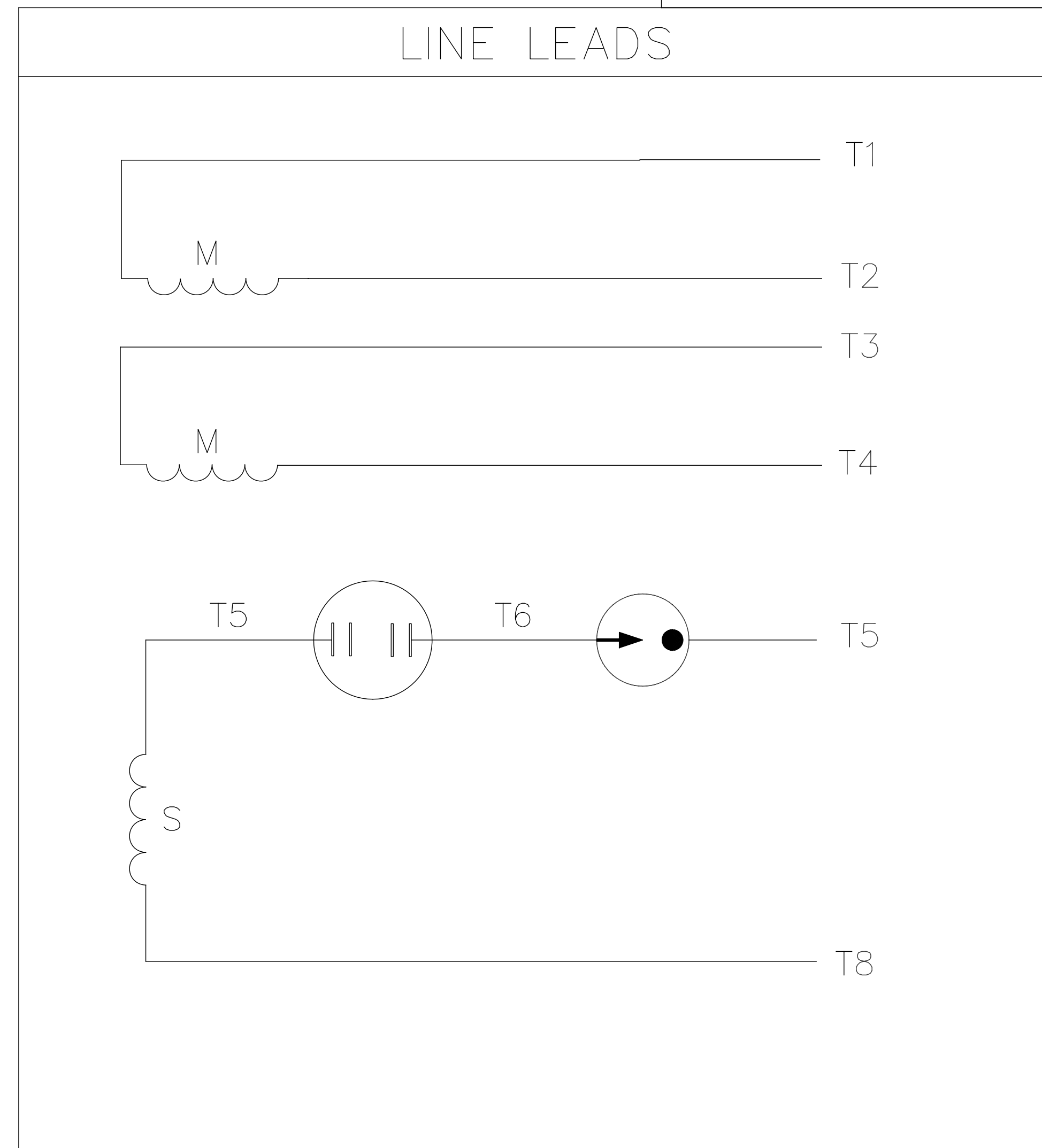
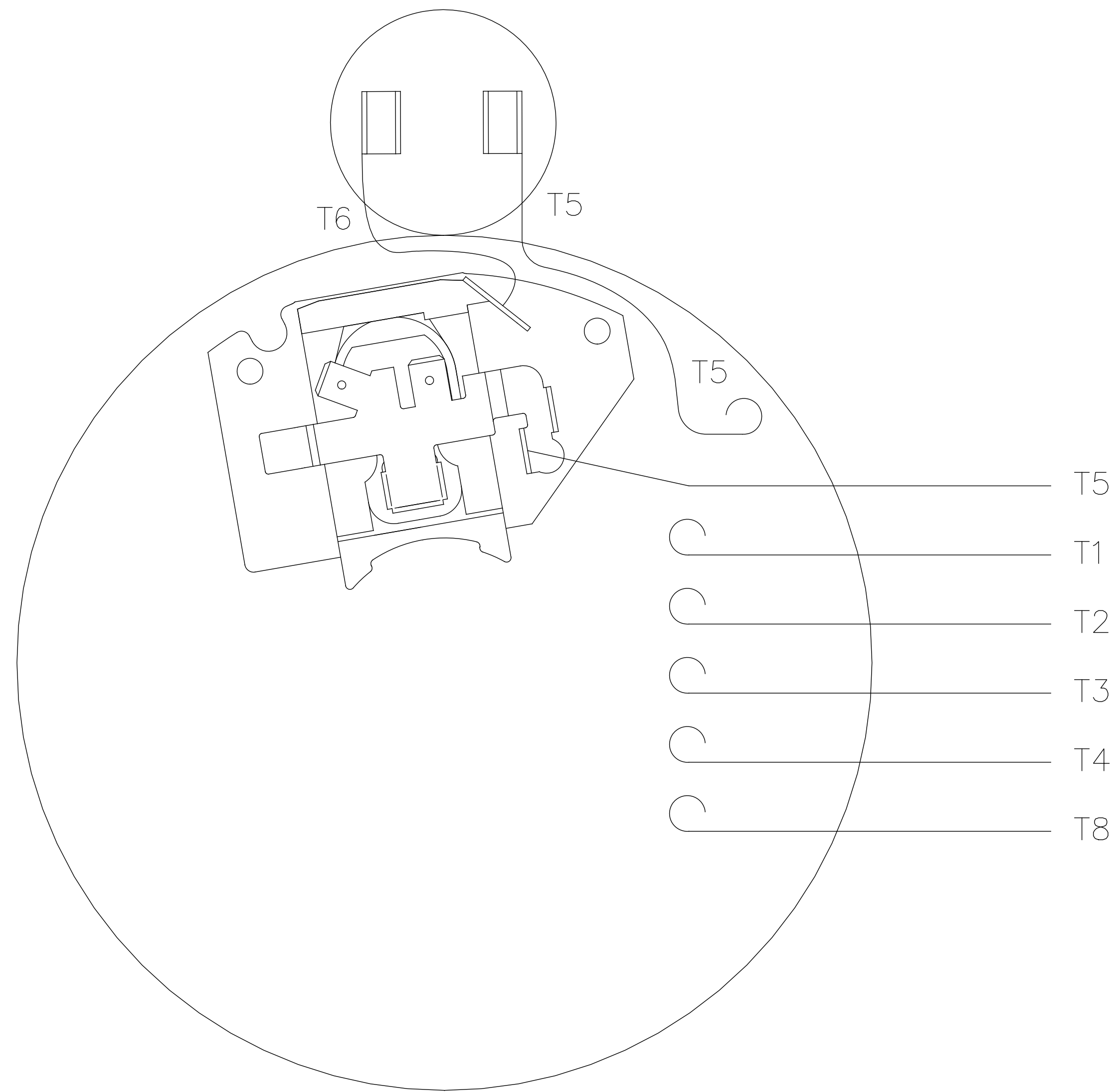
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	5.416 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 48	Overall Length	9.06 in
Frame Length	4.75 in	Shaft Diameter	0.500 in
Shaft Extension	1.5 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	031633-475	Connection Drawing	005005.44




DASH NO.	"C"	"AD"
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
700	11.31	4.19
725	11.56	4.44

GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PG 5/30/01
				DEC.	INCHES		CHK
				.X	±.1		APPD
				.XX	±.03	TITLE	SCALE 1=2
02	ADDED DASH NO. 725 (PR040408)	KMM	7/30/04	.XXX	±.005	OUTLINE - 48 FRAME RIGID MOUNT - TEFC	REF 030391
01	ADDED DASH NO. 700 (PR030708)	PG	12/18/03	.XXXX	±.0005	MAT'L	1 PHASE
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	031633	SIZE B
				DIST			DRAWING NO. 031633
							REV. 02



	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			 Regal Beloit America, Inc.				
				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**

CATALOG #: 102016.00

CONN. DIAGRAM: 005005.44

OUTLINE: 031633-475

MOUNTING: F1 ONLY

WINDING #: CE482236 FR 3 C

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	0.25	3600	3450	48	TEFC	M	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	5.6/2.5-2.8	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF:	63	3/4 LOAD EFF:	57.8	1/2 LOAD EFF:	49.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	59	3/4 LOAD PF:	51.9	1/2 LOAD PF:	42.6	59.5	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.84 OZ-FT	32 / 16	26.4 OZ-FT 330 %	28.7 OZ-FT 359 %	40

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	10 SEC.	0	16 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

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

*
N
O
T
E
S
*

