

PRODUCT INFORMATION PACKET



Model No: 102663.00
Catalog No: 102663.00
P..1725RPM.48.TEFC.115/208-230V.1PH.60HZ.CONT.NOT.40C.1.15SF.ROUND.GENERAL PURPOSE.C4C17FC26C
General Purpose Motors



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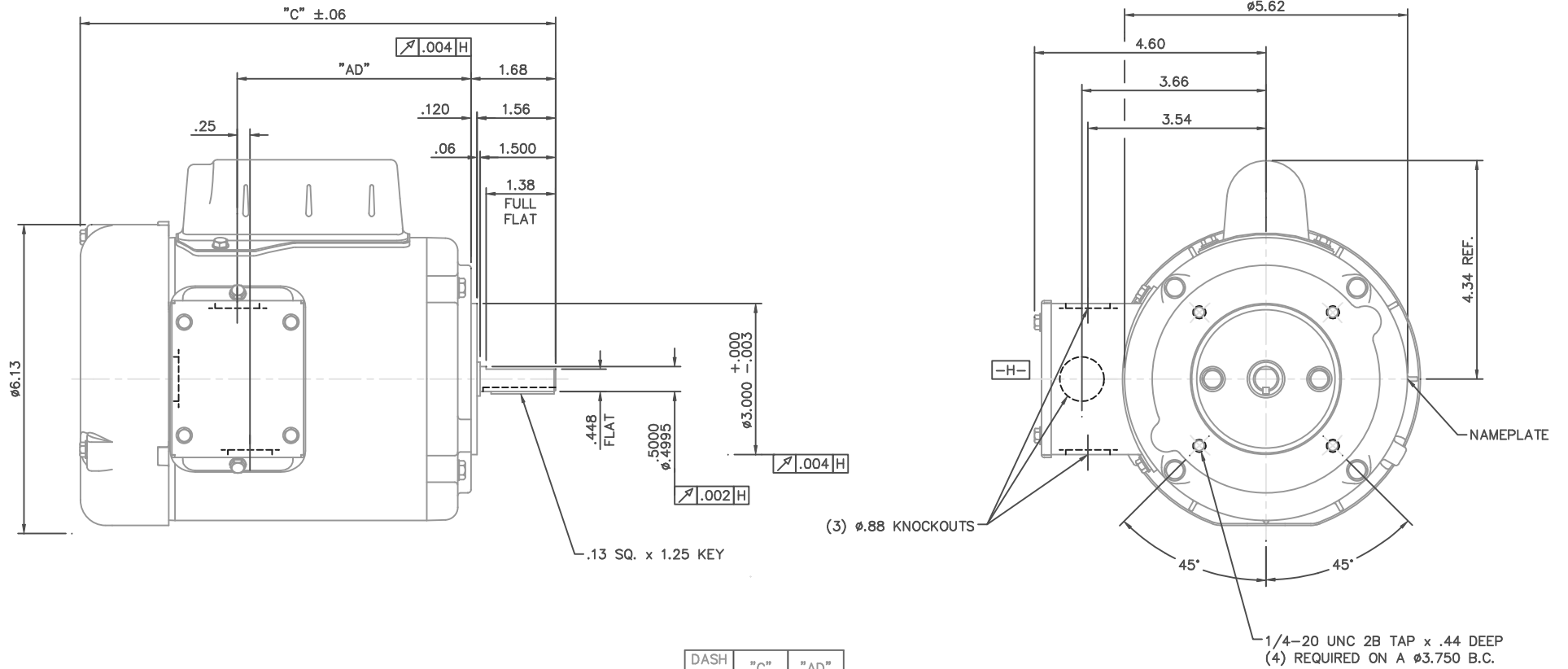


Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	6.6/2.9-3.3 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	61 %	Power Factor	59
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	L
Frame	48CZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
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

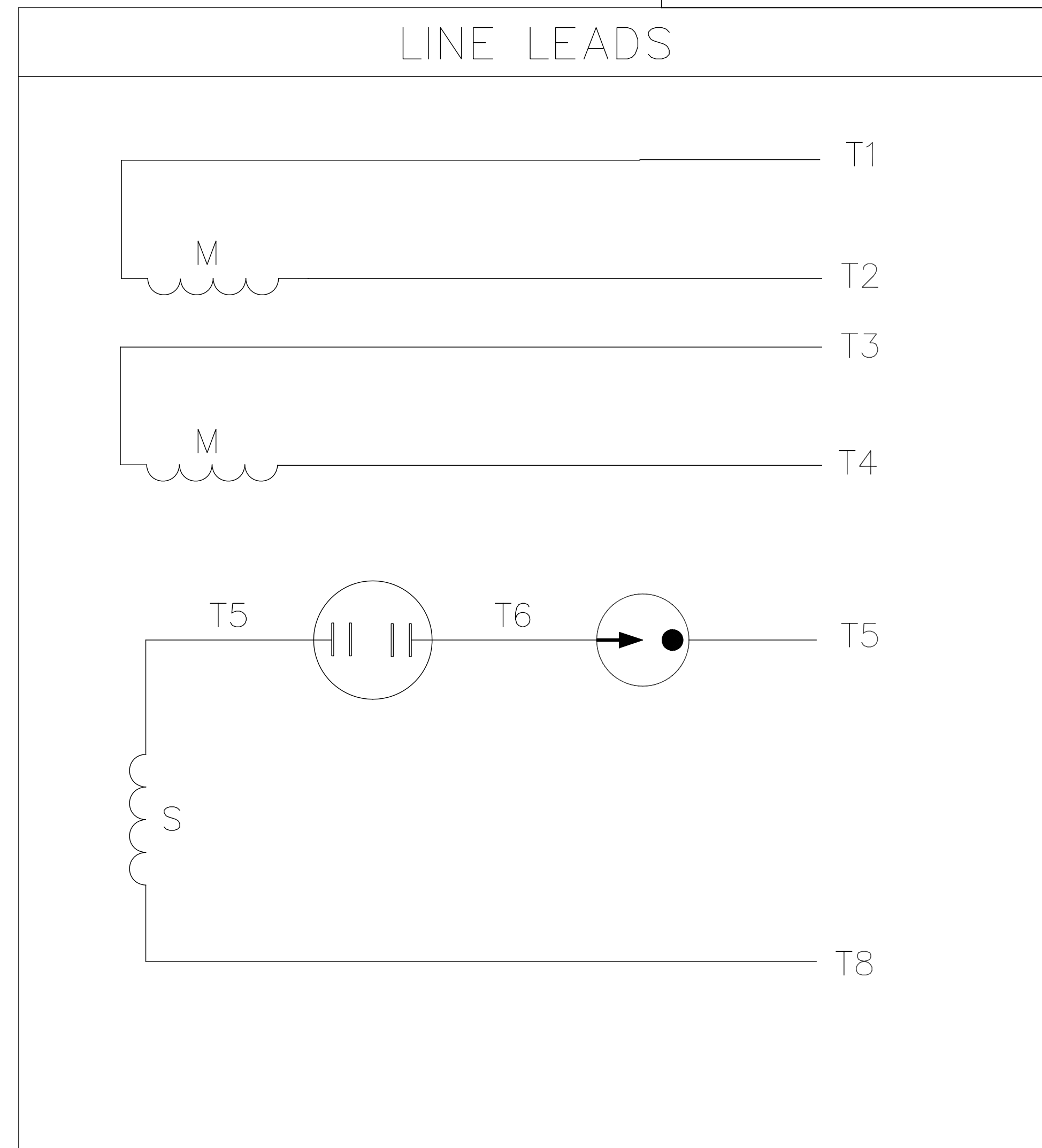
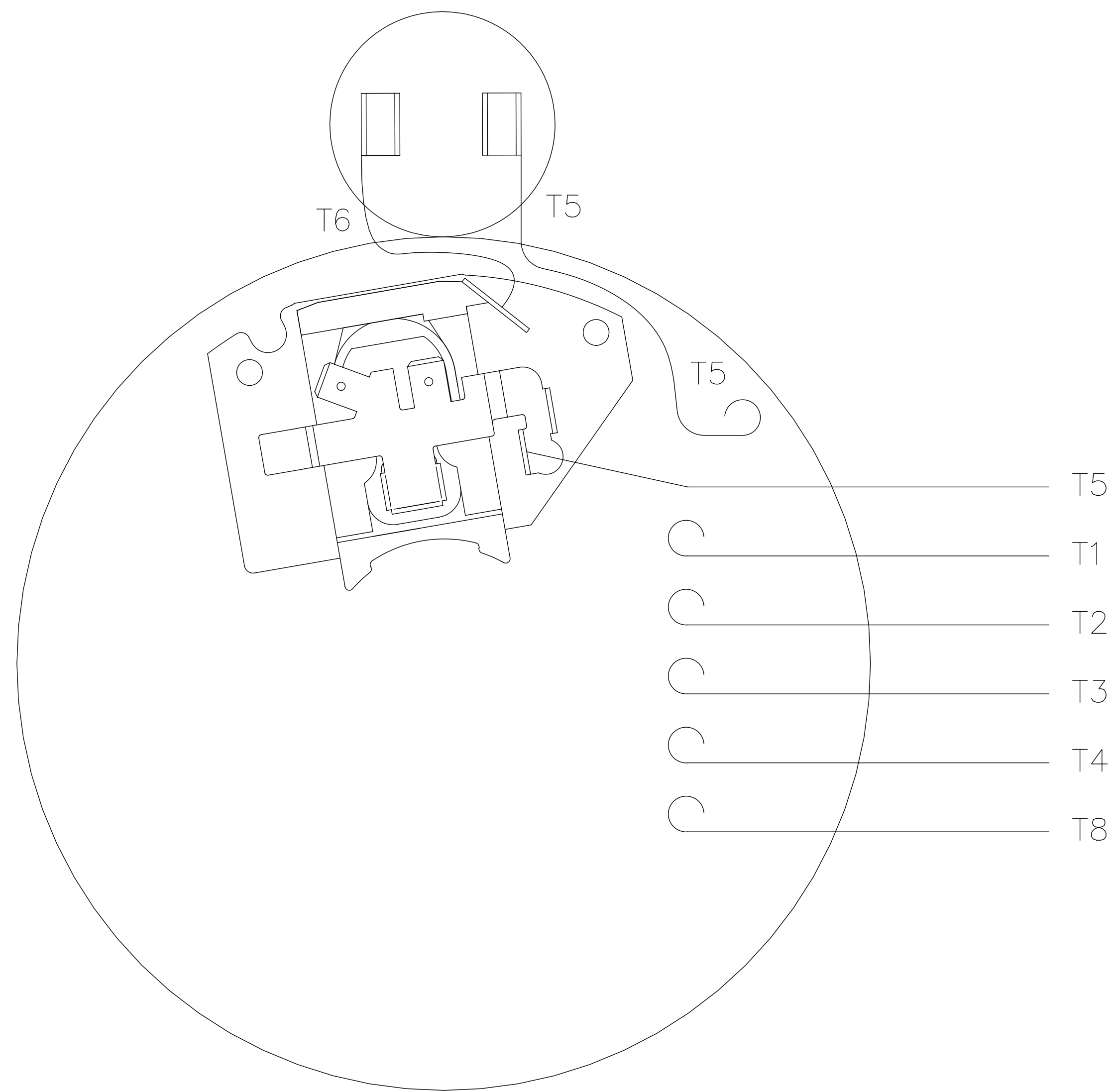
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	6.16 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	9.69 in
Frame Length	5.25 in	Shaft Diameter	0.500 in
Shaft Extension	1.5 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	031700-525	Connection Drawing	005005.44




DASH NO.	"C"	"AD"
450	8.94	4.14
475	9.19	4.39
500	9.44	4.64
525	9.69	4.89
550	9.94	5.14
575	10.19	5.39
600	10.44	5.64
625	10.69	5.89
650	10.94	6.14
675	11.19	6.39

GASKETS THROUGHOUT

NO.		REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN	KMM 07/15/02
				DEC.	INCHES		TITLE		SCALE	1=2	
				.X	±.1		OUTLINE - 48CZ FRAME		REF	031699	
				.XX	±.03		"C" FACE MOUNT - TEFC		FMF	101765	
				.XXX	±.005		1 PHASE		PREV		
				.XXXX	±.0005						
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		031700	SIZE	DRAWING NO.		REV.
				DIST				B	031700		



	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	±2.5	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					
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				ANGLES	±1/2°		FMF	100006					



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005005.44

CATALOG #: 102663.00

OUTLINE: 031700-525

MOUNTING: F1 ONLY

WINDING #: CE484205 FR 3 C

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	0.25	1800	1725	48CZ	TEFC	L	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	6.6/2.9-3.3	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF:	61	3/4 LOAD EFF:	55.3	1/2 LOAD EFF:	46.6	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	59	3/4 LOAD PF:	49.5	1/2 LOAD PF:	39.8	57.5	CAP START IND RUN		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
16 OZ-FT	28 / 14	52 OZ-FT 325 %	44 OZ-FT 275 %	60

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	22 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	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	SGL SPL EXT	SPECIAL	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

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N
O
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E
S

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



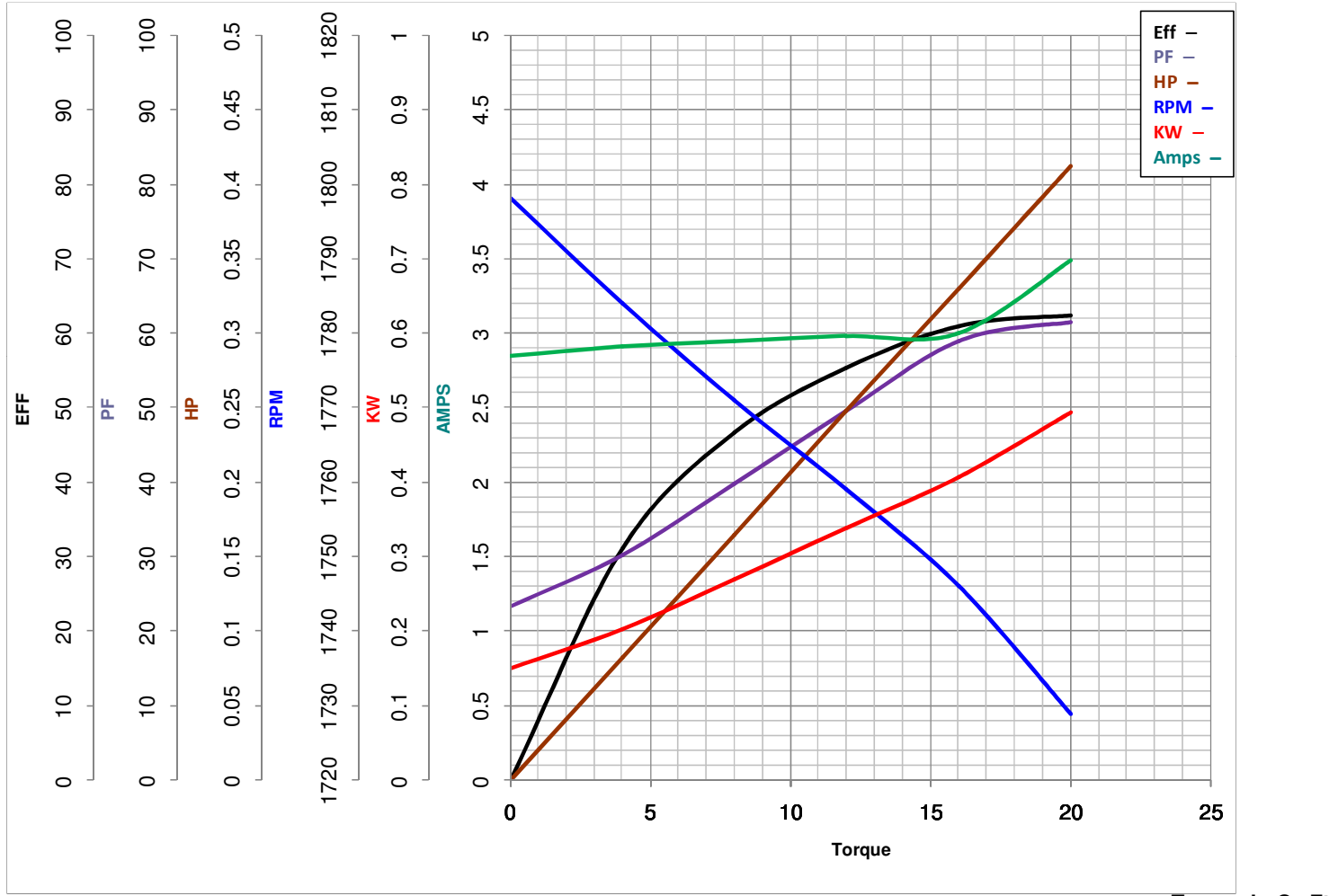
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 102663.00

Catalog No 102663.00

Curve at 230 Volts HP 0.33 PHASE 1
60 HZ
0.33 HP VOLTS 115/208-230

HZ 60 RPM 1725



FL TORQUE	<u>16</u>	Oz.Ft	FL AMPS	<u>6.6/2.9-3.3</u>
BD TORQUE	<u>44.0</u>	Oz.Ft	PU TORQUE	<u>38.0</u> Oz.Ft
LR TORQUE	<u>52</u>	Oz.Ft	LR AMPS	<u>14</u>
WINDING	CE484205-3		Date	<u>4/11/2018</u>