



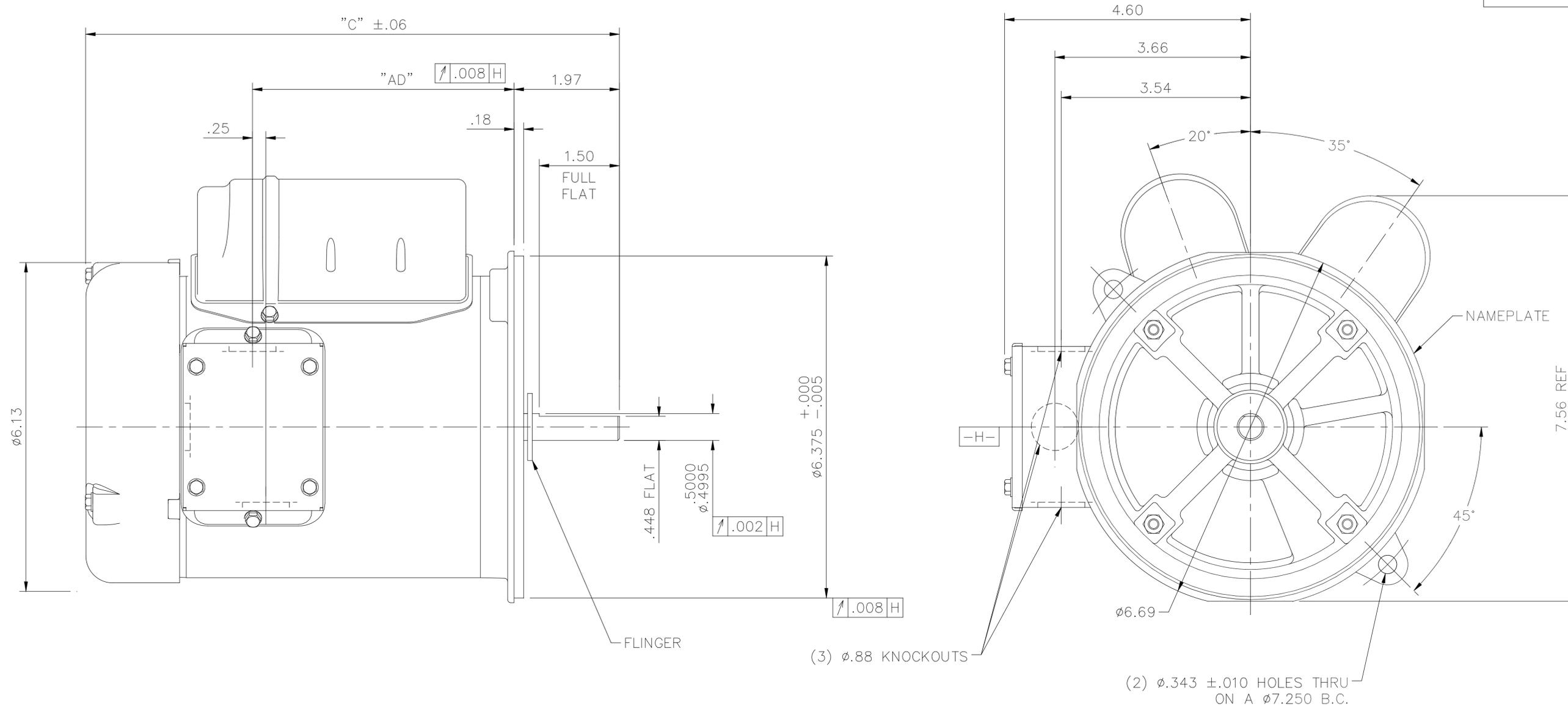


### Nameplate Specifications

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>6.2/3.1 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Efficiency	<b>61 %</b>	Power Factor	<b>58</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>NO DESIGN CODE</b>	KVA Code	<b>M</b>
Frame	<b>48Y</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>Manual</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>No</b>	CSA	<b>N</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>1.519 Ohms</b>	Mounting	<b>Round</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>10.47 in</b>
Frame Length	<b>6.00 in</b>	Shaft Diameter	<b>0.500 in</b>
Shaft Extension	<b>1.5 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>031648-600</b>	Connection Drawing	<b>005258.04</b>

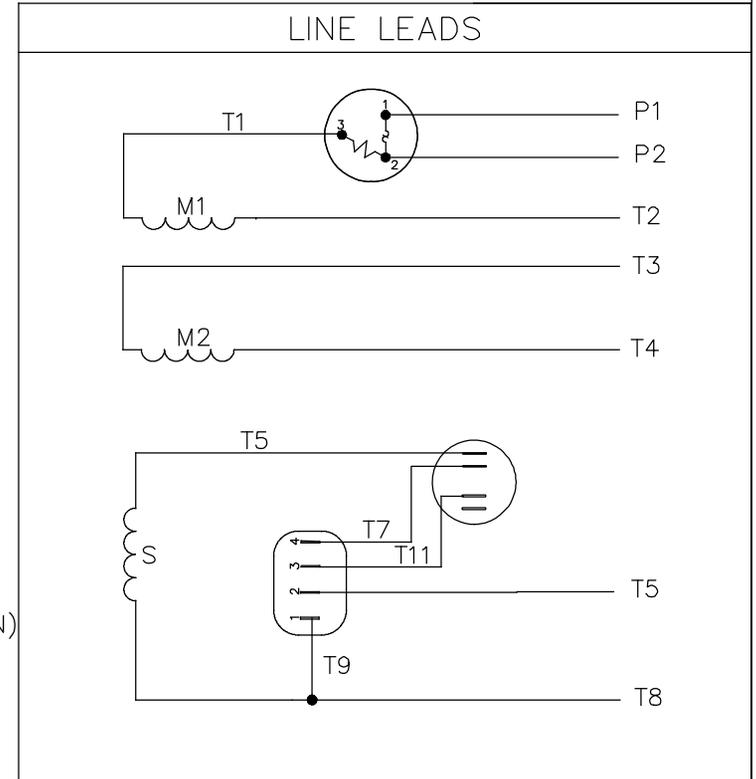
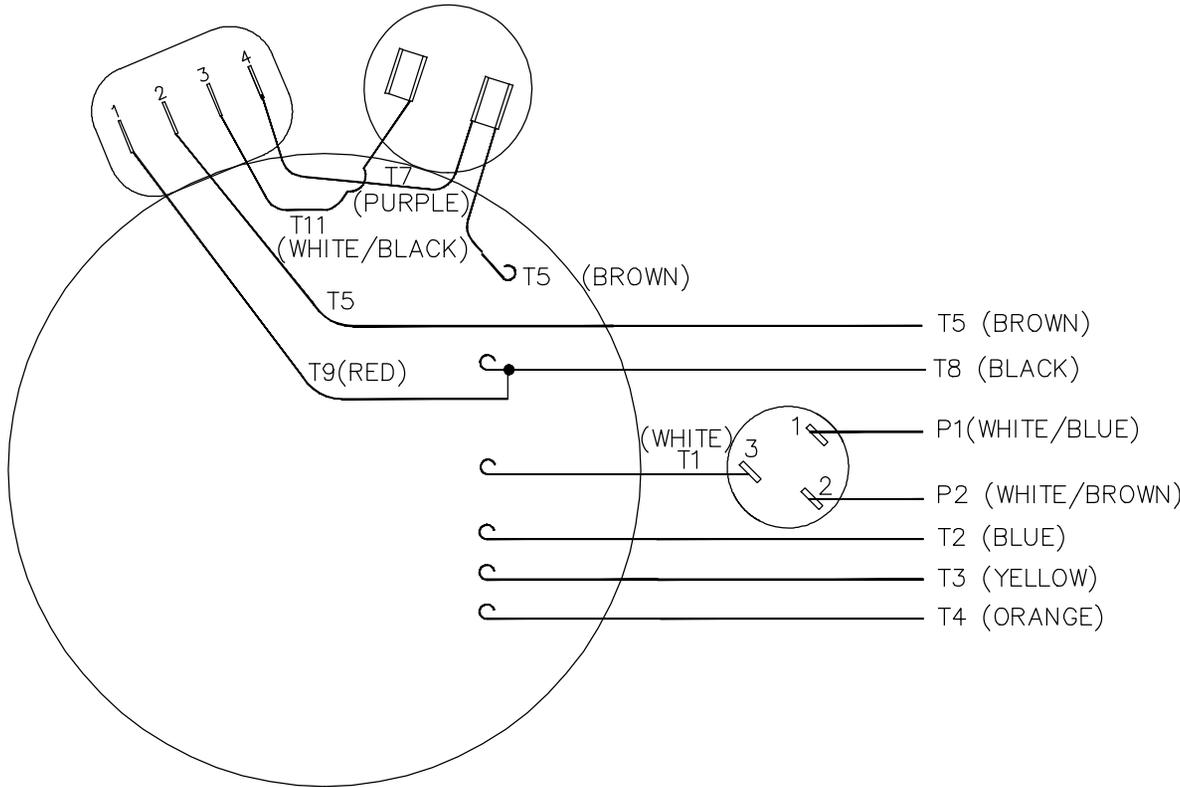


DASH NO.	"C"	"AD"
550	9.97	4.89
575	10.22	5.14
600	10.47	5.39
625	10.72	5.64
650	10.97	5.89
675	11.22	6.14
700	11.47	6.39
725	11.72	6.64
750	11.97	6.89

GASKETS THROUGHOUT

07	BIG CAPACITOR LOCATION WAS AT 40°	PST 06/18/15	SM	TOLERANCES UNLESS SPECIFIED	<b>Regal Beloit America, Inc.</b>	DRAWN PG 9/13/01
06	ADDED TOLERANCE TO .343 CORED HOLES	KMM 5/7/03		DEC. INCHES		CHK
05	ROTATED CAPACITORS 5° FOR CON. BOX CLEARANCE	KMM 2/6/03		.X ±.1	APPD	
04	REVISED CALLOUT FOR GD&T	KMM 6/6/02		.XX ±.03	TITLE	SCALE 1=2
03	REVERSED CAPACITOR LOCATIONS	PG 10/31/01		.XXX ±.005	OUTLINE - 48Y FRAME OIL BURNER FLANGE MOUNT - TEFC	
K	ADDED LARGE CAP. CASE FOR NEW SWITCH	EL 3/31/2017		.XXXX ±.0005	MAT'L.	REF 030720
NO.	REVISION	BY & DATE	CHK	ANG ±1/2°	FINISH	FMF 101120
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 031648	PREV
				DIST	SIZE B	DRAWING NO. 031648
						REV. K

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 OTHERWISE SPECIFIED			<b>LEESON</b> ELECTRIC CORPORATION					
				DEC.	INCHES	METRIC						
				.X	±.1	±2.5	DRAWN	PG 10/16/01	TITLE		EXTERNAL WIRING DIAGRAM	
				.XX	±.01	±.25	APPR.		TYPE "C" W/PROTECTOR			
1	ADDED COLORS PER ECO-0162098	KB	02/19/19	RAD	.XXX	±.005	R.F.P.		MAT'L.		DECAL - 004011	
NO.	REVISION	BY & DATE	CH'K'D.	.XXXX	±.0005	±.0127	SCALE	1=1	SOLID STATE SWITCH			
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.	PAGE 1	FINISH	REV.	DRAWING NO.	
				ANGLES	±1/2'		FMF	101120	STANDARD	1	005258-04	



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

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005258.04  
**OUTLINE:** 031648-600  
**WINDING #:** CE484242 FR 4 A

**CATALOG #:** 101159.00  
**MOUNTING:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	0.25	1800	1725	48Y	TEFC	M	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	6.2/3.1	ACROSS THE LINE	CONTINUOUS	B3	1.0	40

FULL LOAD EFF:	61	3/4 LOAD EFF:	57.6	1/2 LOAD EFF:	49	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	58	3/4 LOAD PF:	48.2	1/2 LOAD PF:	39.5	57.5		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15.98 OZ-FT	31.4 / 15.7	67.6 OZ-FT 423 %	48.8 OZ-FT 305 %	54

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 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
OIL BURNER	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	RED - LEESON (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	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	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

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<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

