

# PRODUCT INFORMATION PACKET

Model No: 182TCFW9061  
Catalog No: Z112A  
2,1800,TEFC,182TZ,1/60/115/230  
Single Phase



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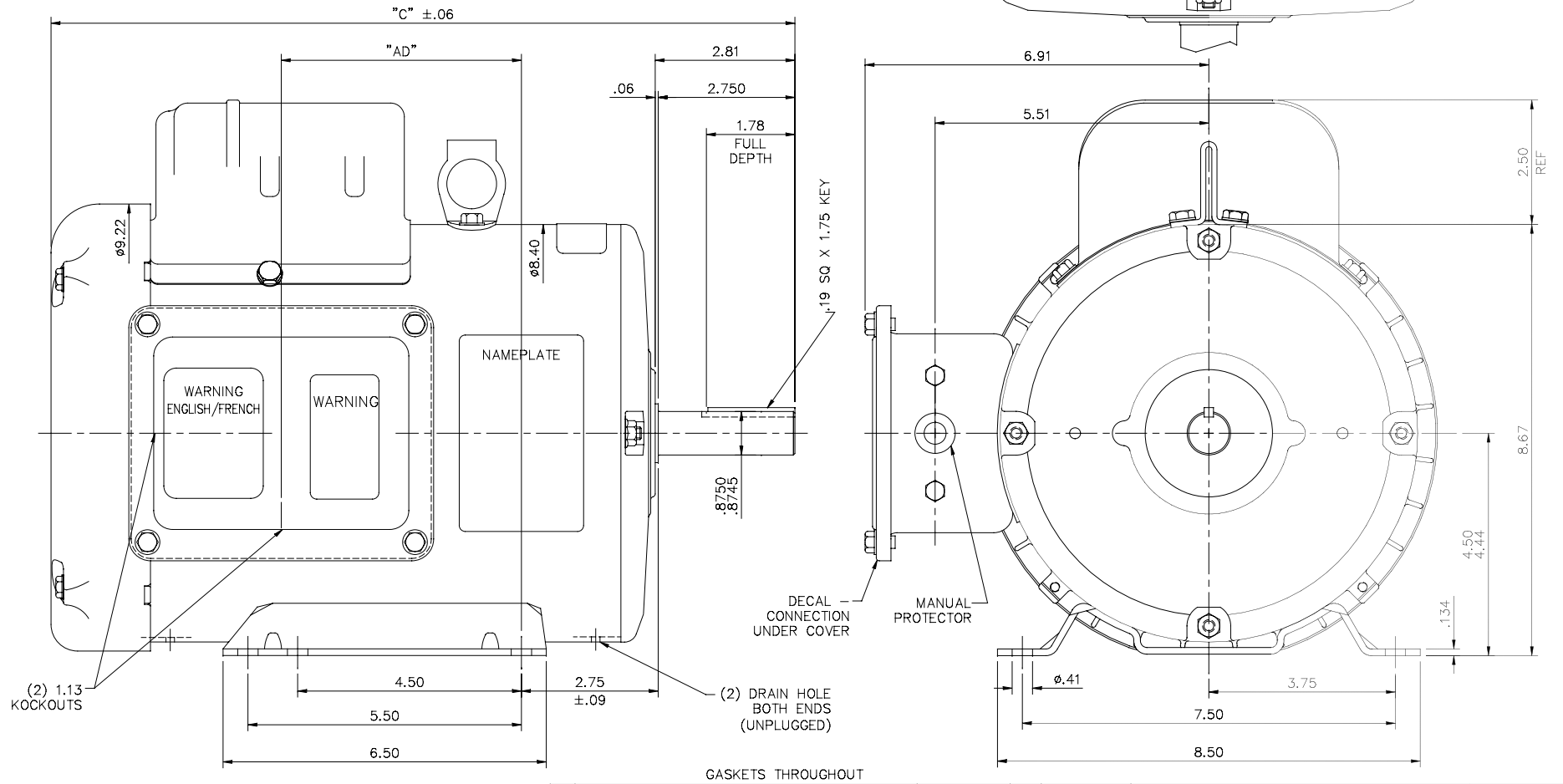
### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/230 V</b>
Current	<b>24.0/12.0 A</b>	Speed	<b>1760 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>74 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>N</b>
KVA Code	<b>L</b>	Frame	<b>182TZ</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>Manual</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6206</b>
Opp Drive End Bearing Size	<b>6205</b>	UL	<b>Recognized ( Not Protector)</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</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>
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>Single Special Extension</b>
Overall Length	<b>14.46 in</b>	Frame Length	<b>9.00 in</b>
Shaft Diameter	<b>0.875 in</b>	Shaft Extension	<b>2.81 in</b>
Assembly/Box Mounting	<b>F1 Only</b>		
Outline Drawing	<b>035710-900</b>	Connection Diagram	<b>005067.20ME</b>

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GASKETS THROUGHOUT

(2) 1.13  
KOCKOUTS

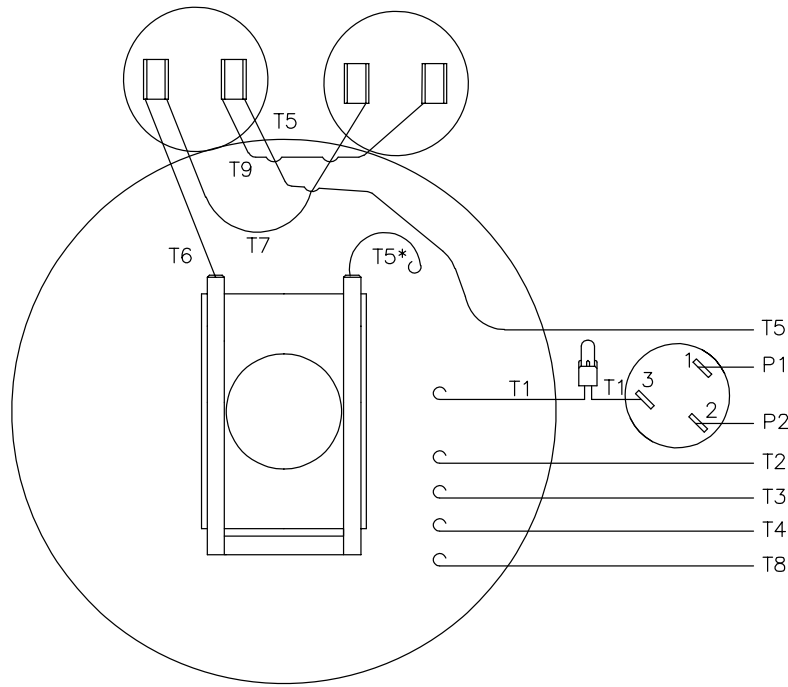
(2) DRAIN HOLE  
BOTH ENDS  
(UNPLUGGED)

DASH NO.	"C"	"AD"
900	14.46	4.33
950	14.96	4.83
1000	15.46	5.33
1050	15.96	5.83
1100	16.46	6.33
1150	16.96	6.83
1200	17.46	7.33

		TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>	DRAWN
		DEC.	INCHES		CHK
		.X	±.1	<b>TITLE</b> OUTLINE - 180T FRAME TEFC - RIGID	APPD
		.XX	±.03		SCALE
		.XXX	±.005		REF
		.XXXX	±.0005		PREV
A	DRAIN HOLES ADDED	KIR	02/08/16	MAT'L.	182TCFW9061
No.	REVISION	BY & DATE	CHK	FINISH	
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	ANG	CAD FILE	035710
		DIST	NLV	SIZE	B
				DRAWING NO.	035710
				REV.	A

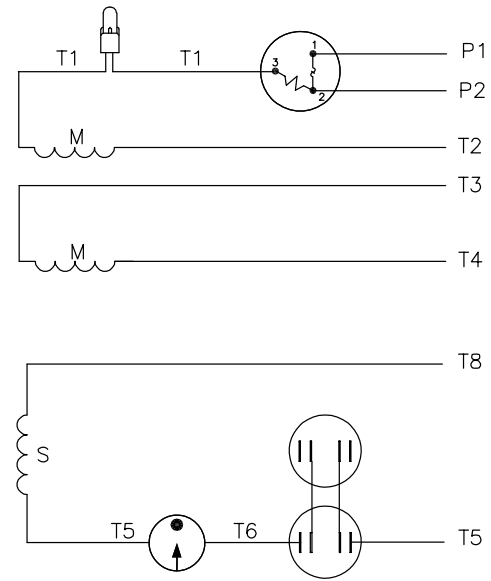
005067-20ME

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



\* THIS LEAD MAY BE WHITE

LINE LEADS



	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				DRAWN KA 10/21/08	
		DEC.	INCHES			CHK	
		.X	±.1	TITLE		APPD KA 10/21/08	
B	CHANGES ARE DONE PER ECO-0044037	UD	01/24/14	DS	.XXX	±.005	SCALE 1=1
A	ADDED LEAD NUMBERS T7 AND T9	VV	12/20/2008		.XXXX	±.0005	REF 005075-02
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	FMF 182TCFR9061
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	00506720ME	SIZE DRAWING NO.
				DIST			A 005067-20ME B
							REV. B

CERTIFICATION DATA SHEET

Model#: 182TCFW9061 CC WINDING#: C8440 NONE 3  
 CONN. DIAGRAM: 005067.20ME ASSEMBLY: F1 ONLY  
 OUTLINE: 035710-900

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1800	1760	182TZ	TEFC	L	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/230	24/12	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 74	3/4 LOAD EFF: 70	1/2 LOAD EFF: 67.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 72.5	3/4 LOAD PF: 65	1/2 LOAD PF: 53.7	70	CAP START IND RUN	15.1 / 7.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
5.96 LB-FT	160 / 80	19.5 LB-FT 327	16.7 LB-FT 280	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.31 LB-FT^2	- LB-FT^2	10 SEC.	-	0 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	BLACK (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	SGL SPL EXT	0.875 x 2.75 IN SEK	NONE	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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

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S  
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\*\* Subject to change without notice.