

# PRODUCT INFORMATION PACKET

Modal No: 184TBFW17044  
Catalog No: I213A  
3,1800,TEFC,184T,1/60/115/208-230  
Totally Enclosed Fan Cooled (TEFC)



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.  
©2017 Regal Beloit Corporation, All Rights Reserved. MC017097E



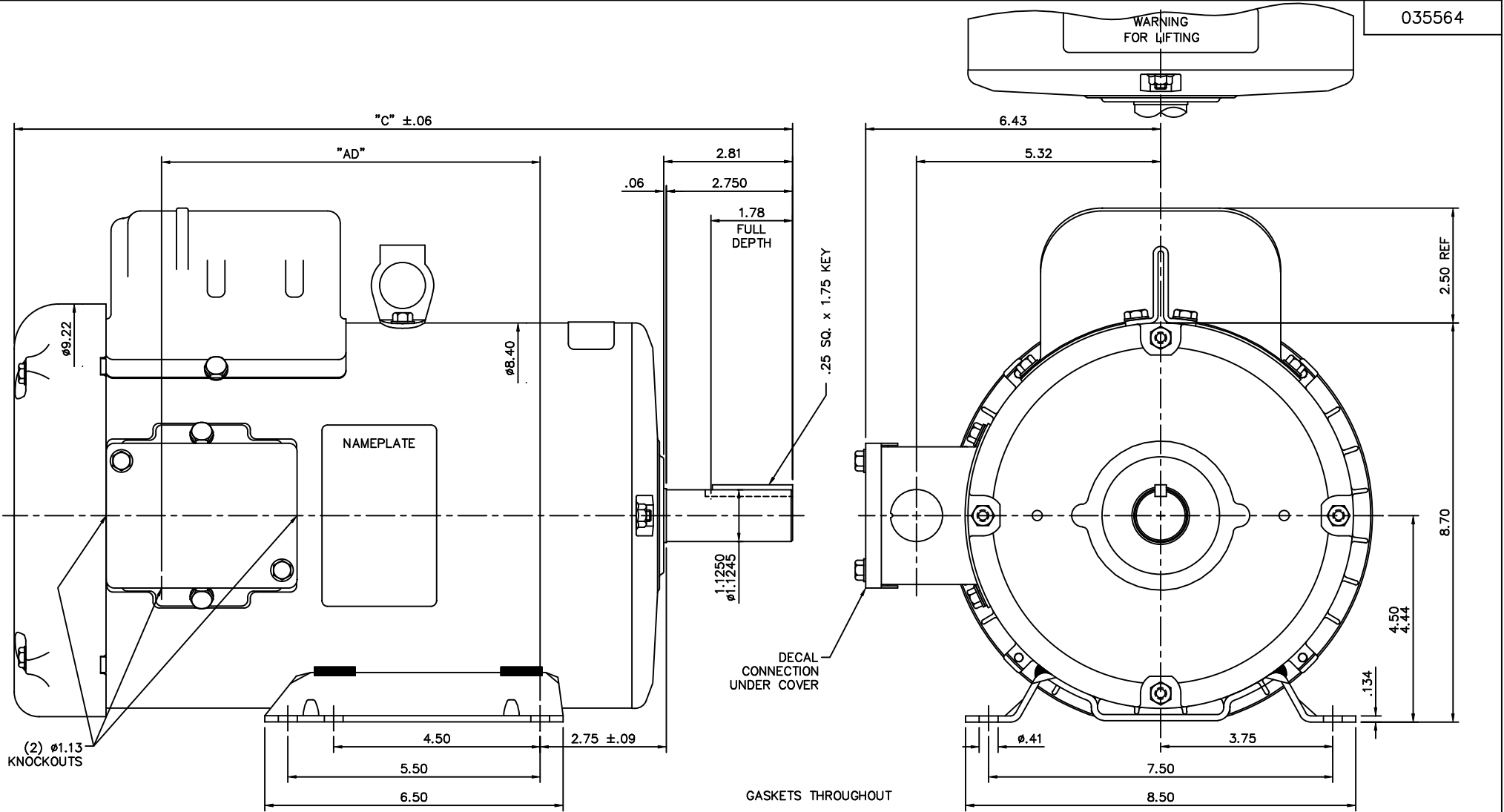
## Nameplate Specifications

Output HP	<b>3 Hp</b>	Output KW	<b>2.24 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/208-230 V</b>
Current	<b>28/15-14 A</b>	Speed	<b>1755 rpm</b>
Service Factor	<b>1</b>	Phases	<b>1</b>
Efficiency	<b>80 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>F</b>	Design Code	<b>NO DESIGN CODE</b>
KVA Code	<b>K</b>	Frame	<b>184T</b>
Enclosure	<b>TEFC</b>	Overload Protector	<b>NOT</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</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

## Technical Specifications

Electrical Type	<b>CAP START CAP RUN</b>	Starting Method	<b>ACROSS THE LINE</b>
Poles	<b>4</b>	Rotation	<b>SELECTIVE CCW</b>
Mounting	<b>RIGID</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>T</b>
Overall Length	<b>14.96 in</b>	Frame Length	<b>9.5 in</b>
Shaft Diameter	<b>1.13 in</b>	Shaft Extension	<b>2.81 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		

035564



(2)  $\phi 1.13$   
KNOCKOUTS

DASH NO.	"C"	"AD"
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1150	16.46	7.75
1150	16.96	8.25
1200	17.46	8.75

NO.	REVISION	BY & DATE
01	DRAWING REDRAWN WITH NEW STANDARD C'BOX	KVN 4/8/2008

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
CHK	ANG ±1/2"
RFP	
DIST	

**MARATHON ELECTRIC**

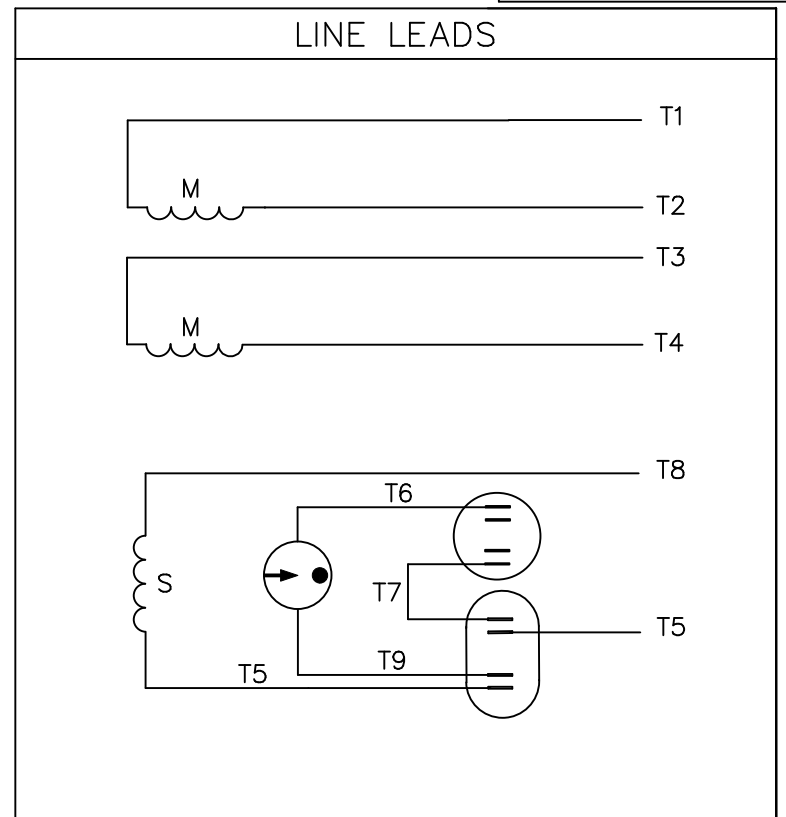
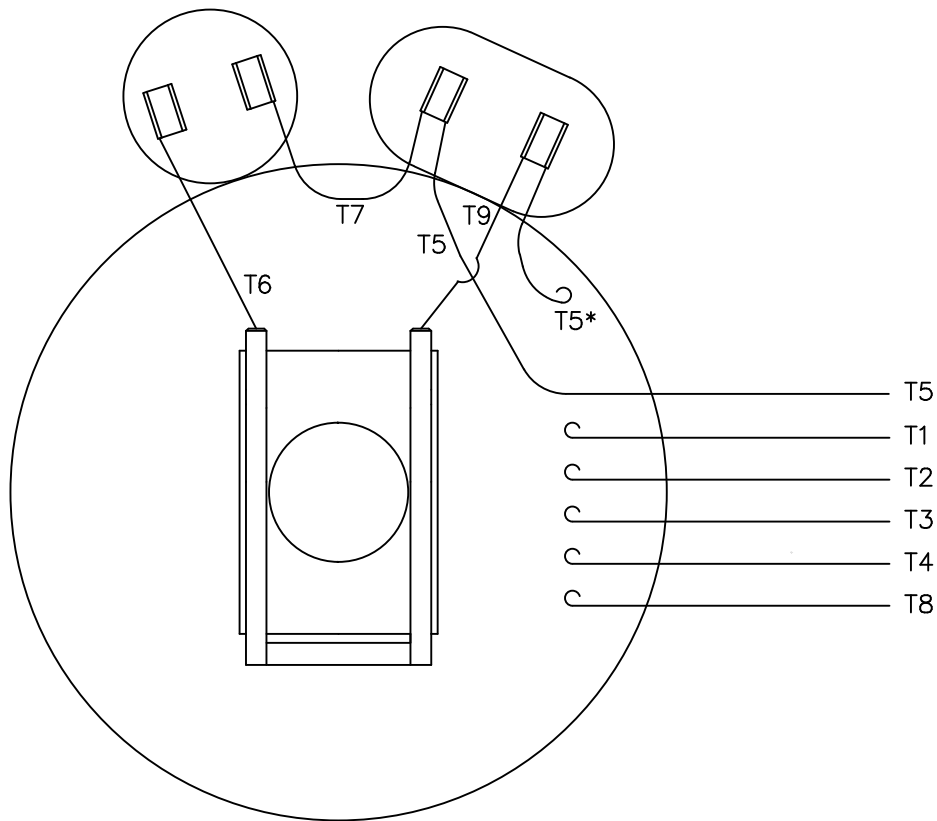
TITLE: OUTLINE- 180T FRAME  
TEFC- RIGID

CAD FILE: 035564

DRAWN KVN 09/10/2007	
CHK	RDW
SCALE 1=2	REF 03549000
FMF 184TBFW7701	PREV
SIZE B	DRAWING NO. 035564
REV. 01	

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

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	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	

\* THIS LEAD MAY BE WHITE

				TOLERANCES UNLESS SPECIFIED			DRAWN MOL 07/13/2009		
				DEC.	INCHES		CHK MOL 07/13/2009		
				.X	±.1		APPD		
				.XX	±.01		SCALE 1=1		
				.XXX	±.005		REF A-005053		
				.XXXX	±.0005	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV		
			RFP			CAD FILE 00505401ME	SIZE A	DRAWING NO. 005054-01ME	REV.
			DIST BRF-NLV						

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

CERTIFICATION DATA SHEET

Model#: 184TBFW17044 AA WINDING#: K84107 NONE 3  
 CONN. DIAGRAM: 005054.01ME ASSEMBLY: F1 ONLY  
 OUTLINE: 035564-950

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1755	184T	TEFC	K	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	28/15-14	ACROSS THE LINE	CONTINUOUS	F4	1.0	40	3300

FULL LOAD EFF: 80	3/4 LOAD EFF: 78.5	1/2 LOAD EFF: 73	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88	3/4 LOAD PF: 83	1/2 LOAD PF: 76.5	0	CAP START CAP RUN	12.4 / 6.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	218 / 109	22.5 LB-FT 250	24.5 LB-FT 272	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	0.357 LB-FT^2	0.4 LB-FT^2	10 SEC.	0	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	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

\*  
N  
O  
T  
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

DATE: 07/08/2017 12:48:32 AM

FORM 3531 REV.3 02/07/99

\*\* Subject to change without notice.