

# PRODUCT INFORMATION PACKET

Model No: 184TTFS6844  
Catalog No: E473  
5,1800,TEFC,184T,3/60/230/460  
Severe Duty



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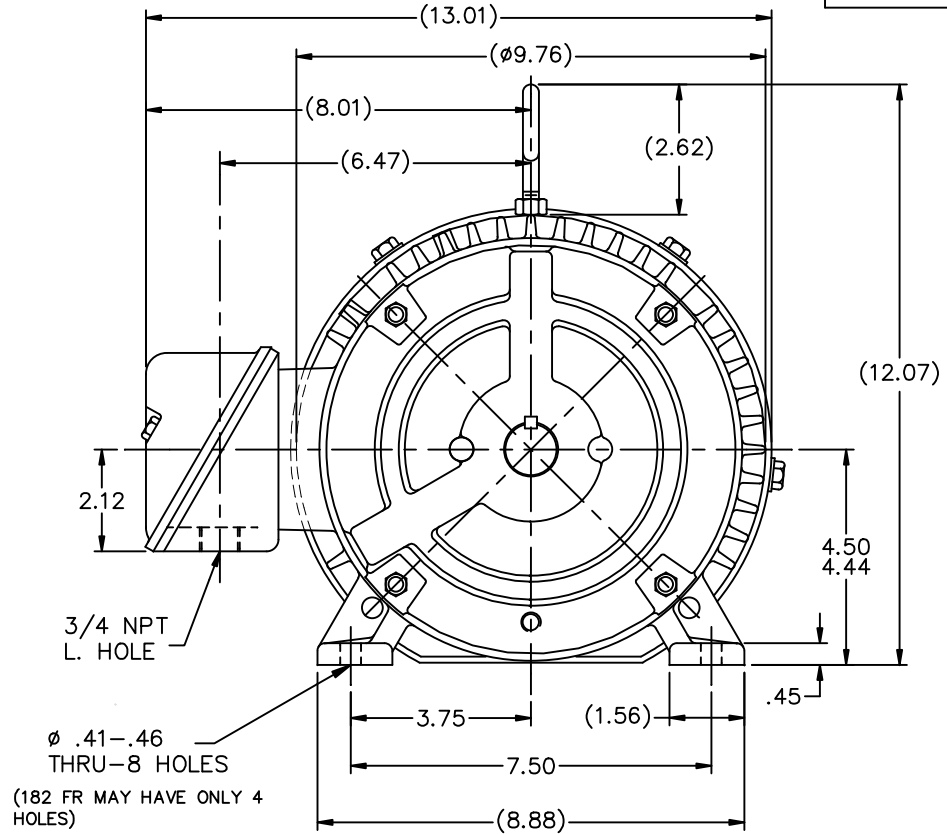
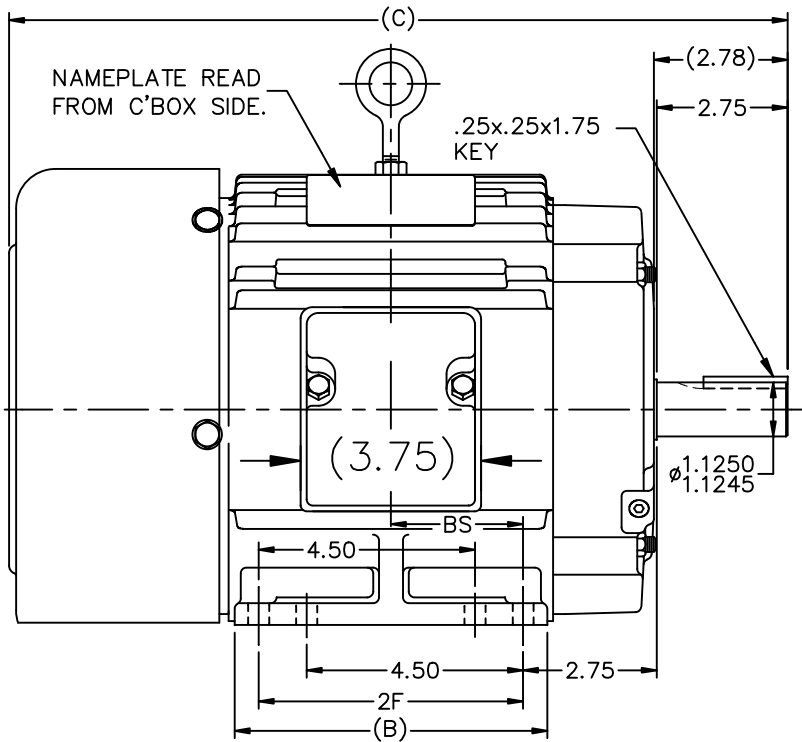
### Nameplate Specifications

Output HP	<b>5 Hp</b>	Output KW	<b>3.7 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>12.4/6.2 A</b>	Speed	<b>1755 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>90.2 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>J</b>	Frame	<b>184T</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</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>54</b>		

### Technical Specifications

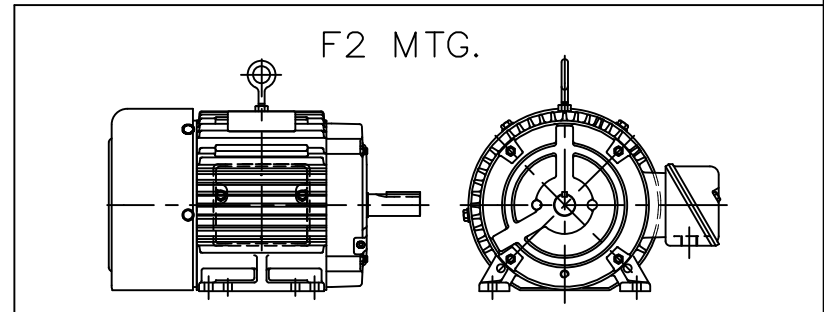
Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Cast Iron</b>	Shaft Type	<b>T</b>
Overall Length	<b>16.19 in</b>	Frame Length	<b>6.75 in</b>
Shaft Diameter	<b>1.125 in</b>	Shaft Extension	<b>2.78 in</b>
Assembly/Box Mounting	<b>F1/F2 Capable</b>		
Outline Drawing	<b>A-SS63661-675</b>	Connection Diagram	<b>A-EE7308</b>

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BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS & TURNING FRAME 180°.

BOX CAN BE ROTATED IN 90° STEPS.



DASH	FR.	C	B	2F	BS
575	182T	15.19	5.50	4.50	2.25
675	184T	16.19	6.50	5.50	2.75
800	184T	17.44	7.75	5.50	3.38

NO.	REVISION	BY & DATE	CHK	ANG	±	TOLERANCES UNLESS SPECIFIED
13	CHG COND. BOX DIM, WAS 5.00 NOW 3.75 ECN 18821	TF 01/31/2011	EMH			
12	REDRAWN IN AUTOCAD	TAT 06-29-2004	ML	DEC.	INCHES	
11	UPDATED MOUNTING HOLE NOTE CN 26000-581	DRS 01-02-2002	ML	.X	±.1	
10	ADDED 182 FR. MAY HAV... NOTE CN 26000-581	MRB 07-02-1998		.XX	±.03	
9	ADDED 4 MOUNTING HOLES	MJD 06-09-1998		.XXX	±.005	
8	ADDED NEMA "O" DIMENSION	MRB 09-12-1996		.XXXX	±.0005	

RFP	DIST	LB

**MARATHON ELECTRIC**

TITLE OUTLINE  
180 FR. - BB - TS - TEFC

MAT'L.  
FINISH

DRAWN	RM 01-08-1993
CHK	ML 01-13-1993
APPD	GK 01-13-1993
SCALE	1=4
REF	
FMF	
PREV	

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CAD FILE	SS63661	SIZE	DRAWING NO.	PAGE	OF	REV.
		A	SS63661			13

EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

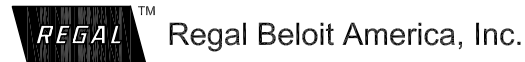
REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					





Customer:  
Attention:

FAREEDA DUDEKULA



Submittal  
Data @ 460 V

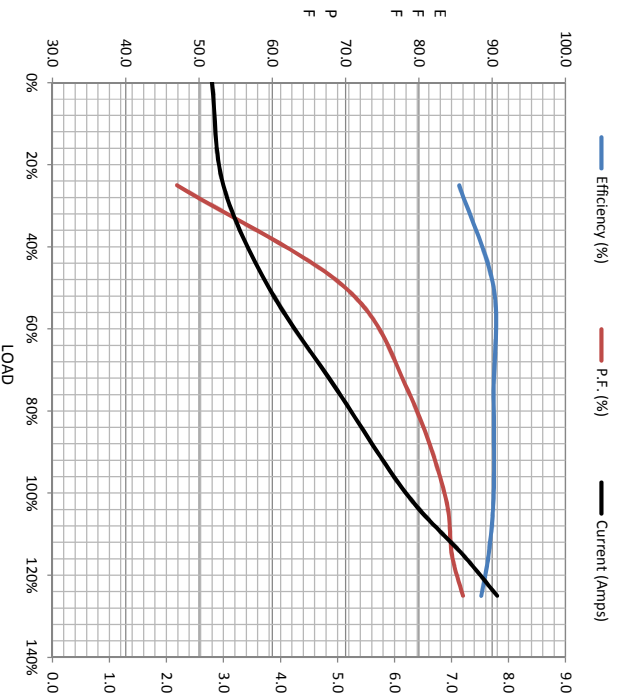
Load	Motor Load Data							
	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.80	3.0	3.8	5.0	6.2	7.2	7.8	46.0
Torque (ft-lb)	0.00	3.7	7.4	11.5	15.0	17.5	19.0	34.5
RPM	1800	1790	1780	1765	1755	1745	1740	0
Efficiency (%)		85.5	90.2	90.2	90.2	89.5	88.5	
P.F. (%)	6.5	47.0	70.0	78.5	83.5	84.5	86.0	48.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	900	1600	1755	1800
Current (Amps)	46.0	41.0	25.0	6.2	2.80
Torque (ft-lb)	34.5	31.0	45.0	15.0	0.00

Information Block

HP	5.0
Sync. RPM	1800
Frame	184
Enclosure	TEFC
Construction	TFN
Voltage	230/460 V
Frequency	60 Hz
Design	B
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	50 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wkt	0.50 Ld-Fe
Rel Wdg	K1844215 NONE
Sound Pressure @ 1M	62 dBA
VFD Rating	CONSTANT 20:1
Outline Dwg	A-SS63661-675
Conn. Diag	A-EE7308
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
1.5080	1.1280
X1	X2
3.6930	5.6930
Xm	Xm
104.3280	104.3280



Speed - Torque Curve

