

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 184TTFW7908

Catalog No: M1407

Other Purpose Motor, 5 & 4 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,  
184JM Frame, TEFC

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**RegalRexnord**

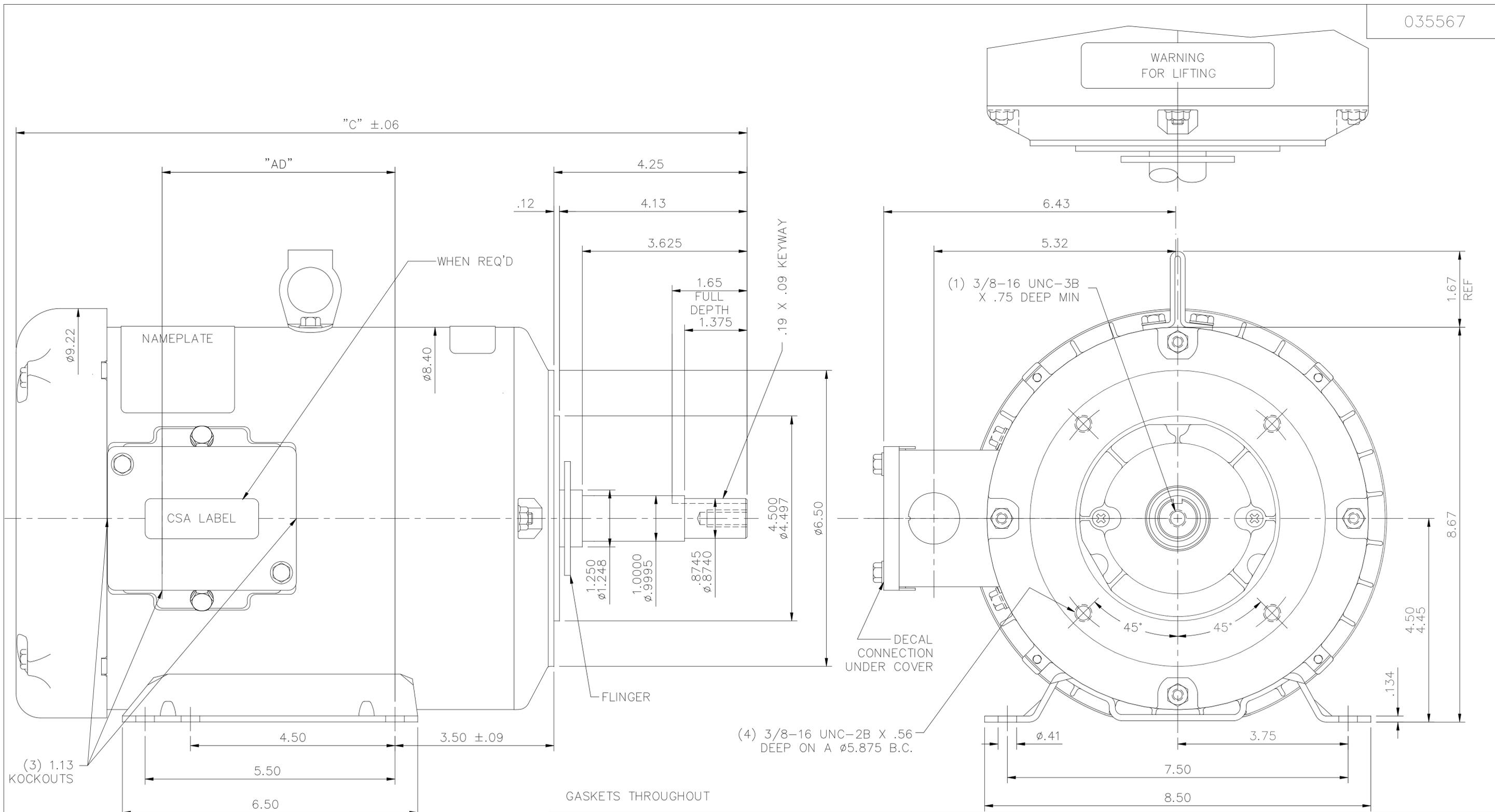


### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>5 &amp; 4 Hp</b>
Output KW	<b>3.7 &amp; 3.0 kW</b>	Voltage	<b>208-230/460 &amp; 190/380 V</b>
Speed	<b>3495 &amp; 2915 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>184JM</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>85.5 &amp; 84 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>13.6-12.4/6.2 &amp; 11.4/5.7 A</b>	Power Factor	<b>89.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>J</b>
Drive End Bearing Size	<b>6207</b>	Opp Drive End Bearing Size	<b>6206</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>0 Ohms</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>JM</b>	Overall Length	<b>15.59 in</b>
Frame Length	<b>8.50 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>4.28 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>035567-850</b>	Connection Drawing	<b>005010.01ME</b>



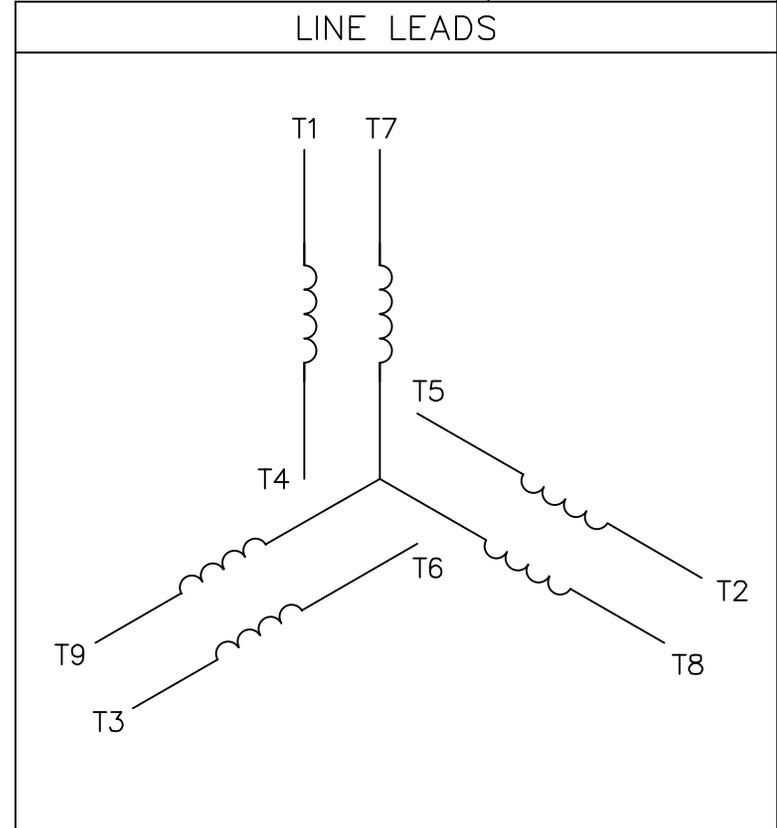
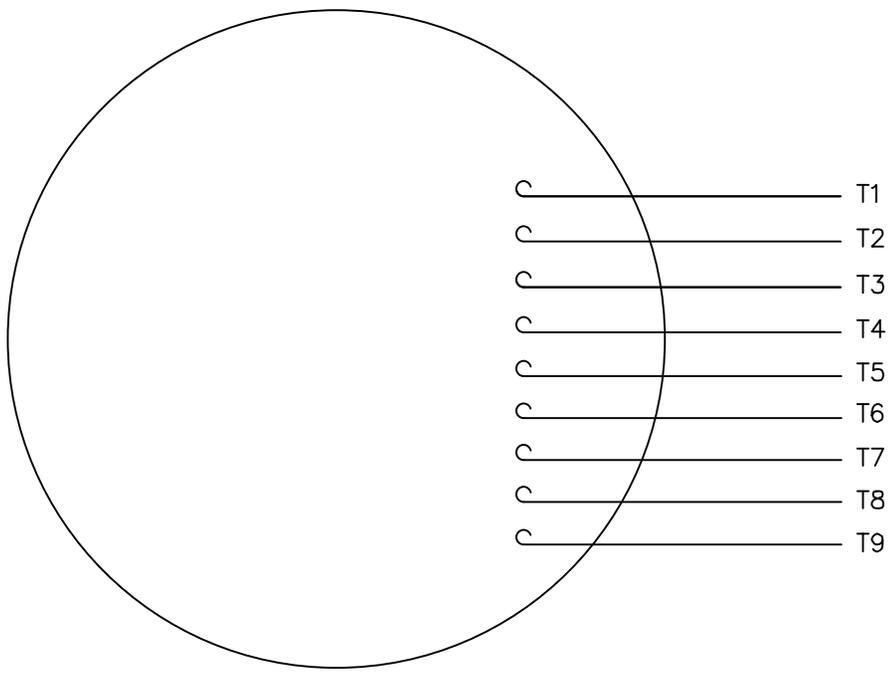
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.  
 PERMISSIBLE SHAFT RUNOUT TO BE .004 T.I.R.

DASH NO.	"C"	"AD"
850	15.59	4.62
900	16.09	5.12
950	16.59	5.62
1000	17.09	6.12
1050	17.59	6.62
1100	18.09	7.12
1150	18.59	7.62

NO.		REVISION		BY & DATE		TOLERANCES UNLESS SPECIFIED		REGAL™ Regal Beloit America, Inc.	DRAWN	
NO.	REVISION	BY	DATE	CHK	ANG	DEC.	INCHES		CHK	DATE
03	CHANGED FROM 2B TO 3B IN SHAFT NOTE	AS	11/24/16	SS	.XX	±.03		TITLE OUTLINE - 180JM FRAME TEFC - RIGID "C" - JM PUMP	APPD	VV 09/15/07
02	CSA LABEL ADDED PER ECO-0044740	PVR	02/03/14	GR	.XXX	±.005			CHK	YS 09/15/07
01	CONDUIT BOX DESIGN CHANGED	JD	03/14/11		.XXXX	±.0005			SCALE	1=2
									REF	
								MAT'L.	FMF	
								FINISH	PREV	
				RFP				CAD FILE	035567	SIZE
				DIST						DRAWING NO.
								B		035567
										REV.
										03

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

		TOLERANCES UNLESS SPECIFIED		DRAWN RDW 04/12/02					
		DEC.	INCHES	CHK					
		.X	±.1	APPD					
		.XX	±.01	SCALE 1=1					
		.XXX	±.005	REF FIG.2-51					
		.XXXX	±.0005	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV			
				±1/2"					
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			DIST				A	005010-01ME	



TITLE EXTERNAL WIRING DIAGRAM  
3 PHASE W/O PROTECTOR

MAT'L. DECAL - 004014