

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 184TTWD14003

Catalog No: N158

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

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**RegalRexnord**



### Nameplate Specifications

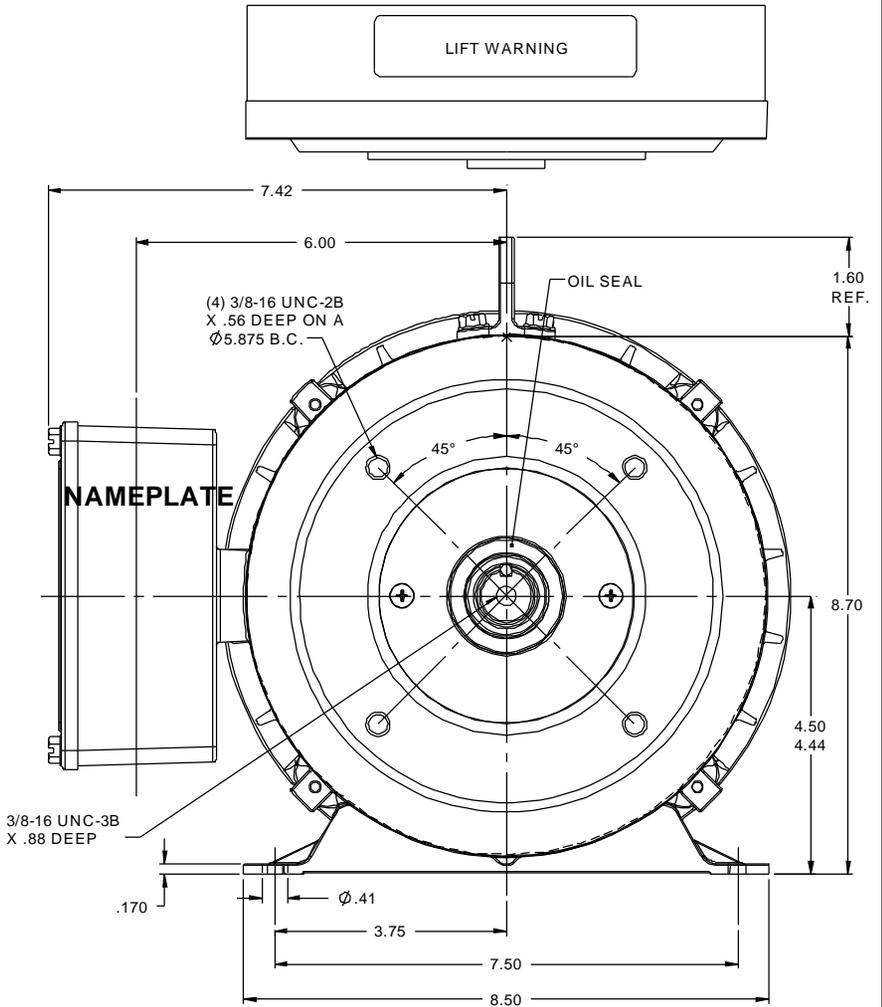
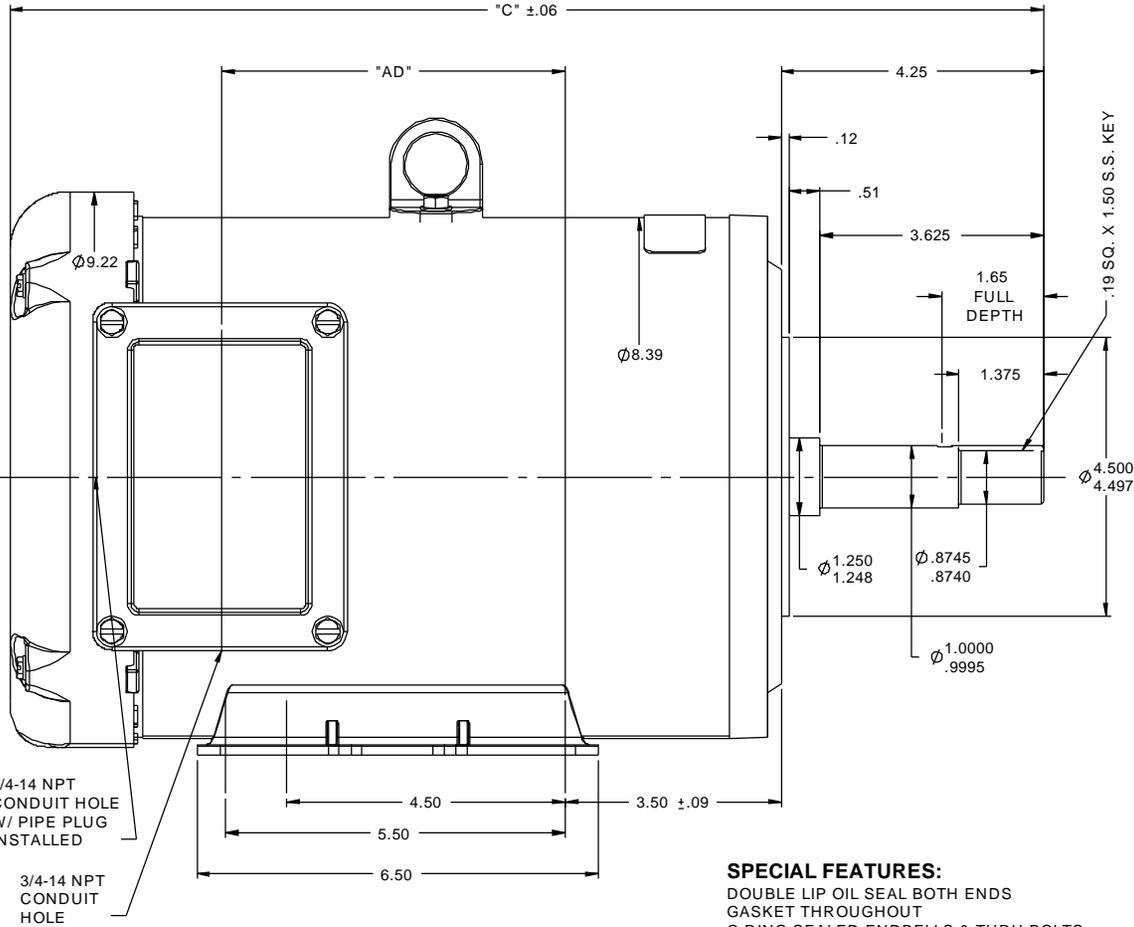
Phase	<b>3</b>	Output HP	<b>5 &amp; 3 Hp</b>
Output KW	<b>3.7 &amp; 2.2 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>3510 &amp; 2920 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>184JM</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>87.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>12/6 &amp; 8.6/4.3 A</b>	Power Factor	<b>89</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>6207</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>56</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.5 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>Stainless Steel</b>
Shaft Type	<b>JM</b>	Overall Length	<b>16.20 in</b>
Frame Length	<b>9.00 in</b>	Shaft Diameter	<b>1.000 in</b>
Shaft Extension	<b>4.28 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Inverter Load	<b>CONSTANT 3:1</b>		
Connection Drawing	<b>005010.01ME</b>	Outline Drawing	<b>035484ME-900</b>



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**SPECIAL FEATURES:**  
 DOUBLE LIP OIL SEAL BOTH ENDS  
 GASKET THROUGHOUT  
 O-RING SEALED ENDBELLS & THRU BOLTS  
 LOCKED BEARING W/ SEALED LOCK SCREWS

DASH NO.	"C"	"AD"
900	16.20	5.06
950	16.77	5.56

MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.  
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

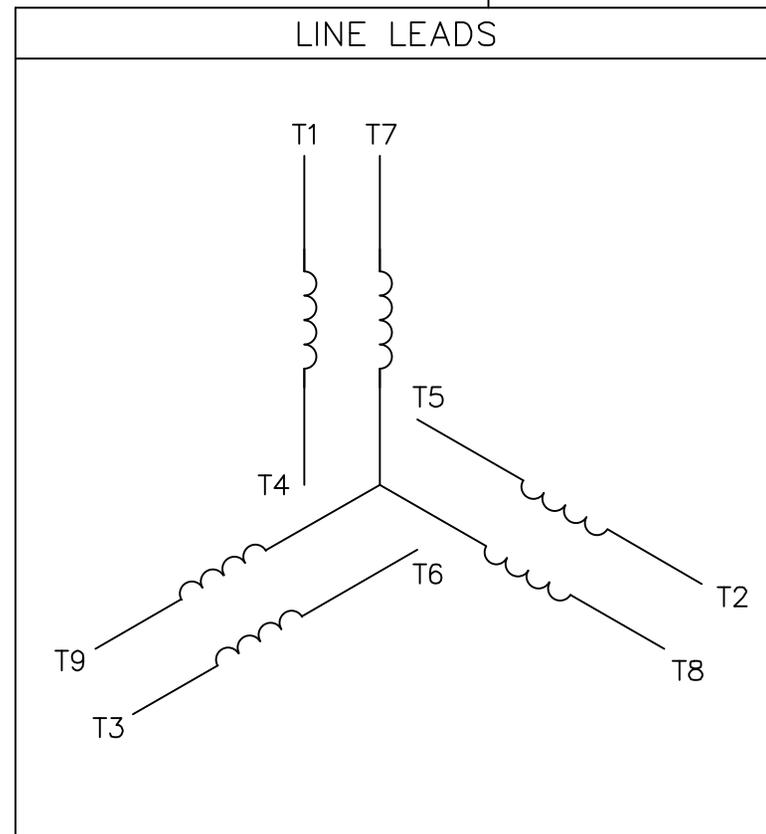
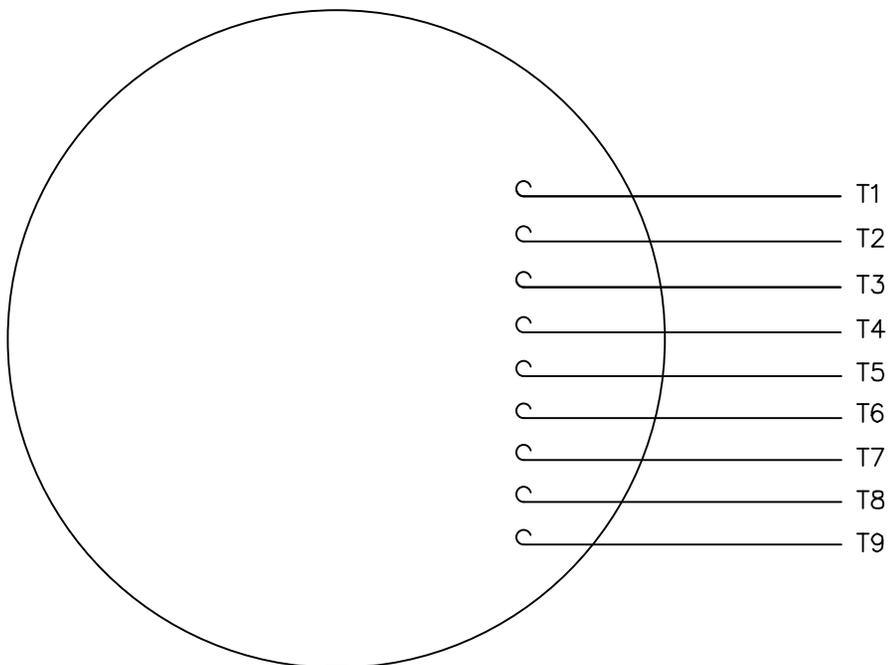
TOLERANCES UNLESS SPECIFIED		DRAWN GR 03/15/13	
DEC	INCHES	CHK	GR 03/15/13
X	±.1	APPR	
XX	±.03	SCALE	1:2
XXX	±.005	REF	
XXXX	±.0005	FMF	
NO	REVISION	BY & DATE	PAGE OF
		CHK ANG ±1/2°	
		FINISH	
		PREV	
		NETWORK FILE NAME 035484ME	
		SIZE B	DRAWING NO 035484ME
			REV



TITLE OUTLINE - 180JM FRAME  
 TEFC - RIGID "C"  
 MAT'L STAINLESS STEEL DUCK



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	±1/2'	FINISH	SIZE	DRAWING NO.	REV.
			RFP	04/12/02		CAD FILE	A	005010-01ME	
			DIST						

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TITLE EXTERNAL WIRING DIAGRAM  
3 PHASE W/O PROTECTOR  
MAT'L. DECAL - 004014