

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 444TSTGS4003

Catalog No: U073

Other Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 444TS Frame,  
EPFC

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**RegalRexnord**

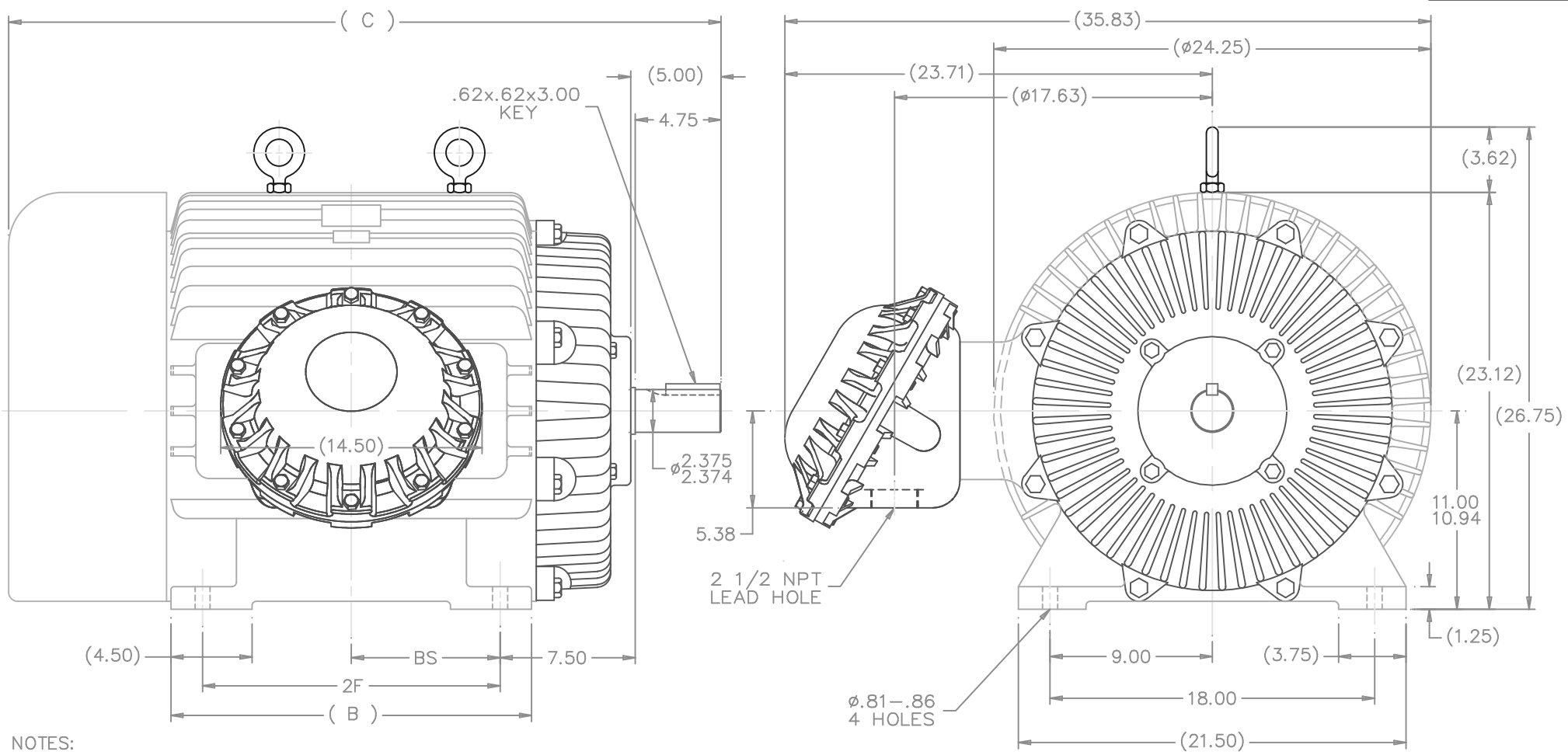
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>125 &amp; 100 Hp</b>
Output KW	<b>93.0 &amp; 75.0 kW</b>	Voltage	<b>460 &amp; 380 V</b>
Speed	<b>3565 &amp; 2965 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>444TS</b>	Enclosure	<b>Explosion Proof Fan cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>94.5 &amp; 94.1 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>137 &amp; 132 A</b>	Power Factor	<b>90.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Drive End Bearing Size	<b>6313</b>	Opp Drive End Bearing Size	<b>6313</b>
UL	<b>Listed</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>54</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>.034 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>Cast Iron</b>
Shaft Type	<b>TS</b>	Overall Length	<b>37.50 in</b>
Frame Length	<b>18.50 in</b>	Shaft Diameter	<b>2.375 in</b>
Shaft Extension	<b>4.75 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Inverter Load	<b>CONSTANT 2:1</b>		
Connection Drawing	<b>A-EE7300S</b>	Outline Drawing	<b>B-SS519043-1850</b>

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- NOTES:
1. BOX CAN BE ROTATED IN 90° STEPS
  2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
  3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

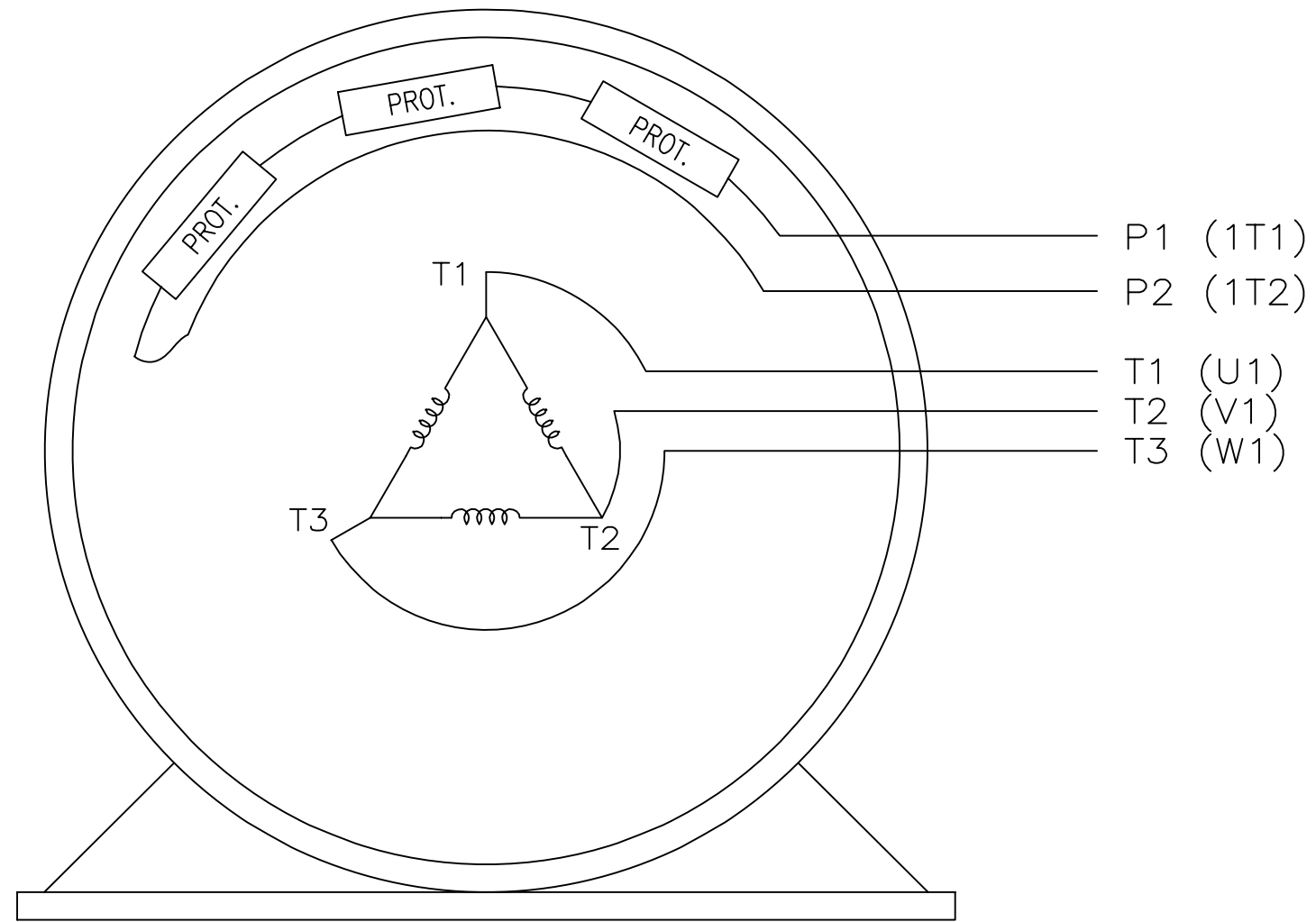
DASH	FRAME	B	C	2F	BS
1850	444TS	18.00	37.50	14.50	7.25
2050	445TS	20.00	39.50	16.50	8.25

			TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN MSG 06-14-2002	
			DEC.	INCHES			CHK	JHL 06-21-2002
			.X	±.1			APPD	JES 06-21-2002
			.XX	±.03	TITLE OUTLINE		SCALE	3=16
			.XXX	±.005	440TS FR. - EXP. PR. - STD.		REF	(B-SS504768)
1	NEW DRAWING	CN 34629	MSG 06-21-2002	JHL	.XXXX	±.0005	MAT'L	FMF
NO. REVISION			BY & DATE	CHK	ANG	±7'30"	FINISH	PREV
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EE7300S

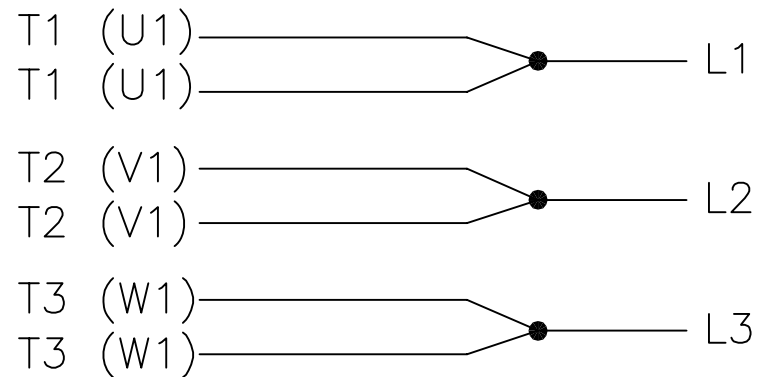
THREE PHASE – SINGLE VOLTAGE MOTOR

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS



VIEW OF TERMINAL END

IF MOTOR HAS MULTIPLE  
T'S PER LEAD CONNECT  
TOGETHER LIKE T'S



A-9806 DECAL

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED			DRAWN	PAGE	OF	REV.	
				DEC.	INCHES	FINISH					NO.
F	UPDATED TITLE BLOCK	HV 02-27-2014	EWB	.X	± -		KL	12-15-1999			
3	REMOVED "N.C." FROM PROT.'S MU61770	JJB 08-02-2010		.XX	± -		CHK	DJK 12-15-1999			
2	ADDED IEC MARKINGS MU61770	KL 09-16-2004	EAB	.XXX	± -		APPD	DJK 12-15-1999			
1	NEW DRAWING	KL 12-16-1999		.XXXX	± -				SCALE	1=1	
									REF		
									FMP		
									PREV		
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				DIST	WA-LB-SB		A	EE7300S			F

