

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 444TTGS4087

Catalog No: U095

100 HP Definite Purpose AC Motor, 3 phase, 1200 RPM, 230/460 V, 444T Frame, EPFC  
Other Purpose Motors

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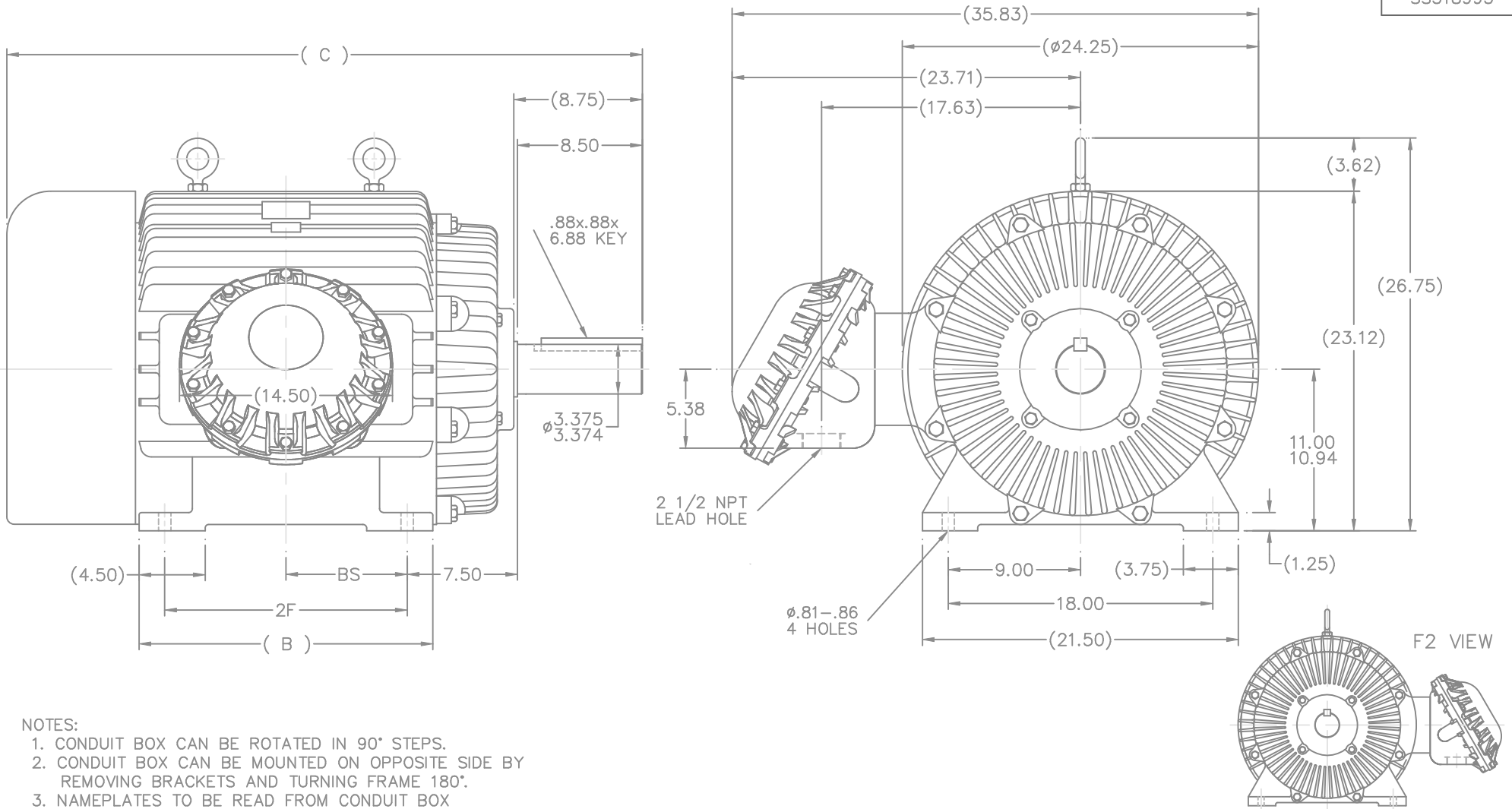
The logo for Regal Rexnord, featuring a stylized 'R' icon followed by the text 'RegalRexnord'.

### Nameplate Specifications

Output HP	<b>100 Hp</b>	Output KW	<b>75.0 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>238.0/119.0 A</b>	Speed	<b>1190 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>94.1 %</b>	Power Factor	<b>84</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Frame	<b>444T</b>	Enclosure	<b>Explosion Proof Fan cooled</b>
Thermal Protection	<b>No</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6318</b>	Opp Drive End Bearing Size	<b>6316</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>6</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.082 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>T</b>	Overall Length	<b>41.25 in</b>
Frame Length	<b>18.50 in</b>	Shaft Diameter	<b>3.375 in</b>
Shaft Extension	<b>8.75 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>B-SS518995-1850</b>	Connection Drawing	<b>A-EE7308AD</b>

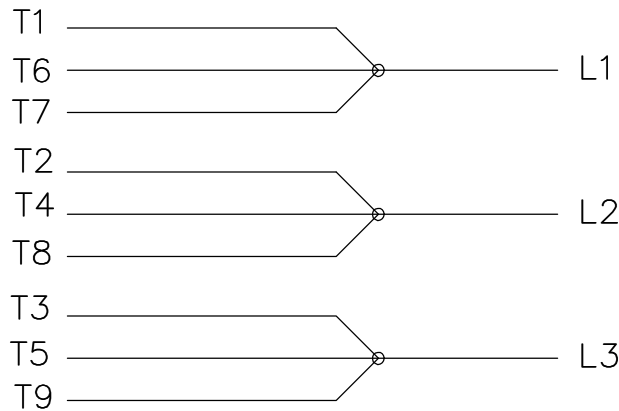


- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
  2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
  3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

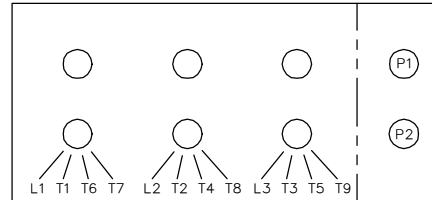
DASH	FRAME	B	C	2F	BS
1850	444T	18.00	41.25	14.50	7.25
2050	445T	20.00	43.25	16.50	8.25

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN HLB 02-18-2002					
		DEC.	INCHES		CHK	DRS 02-18-2002				
		.X	±.1		APPD	DJK 02-18-2002				
3	ADDED F2 VIEW	RJW	01-19-2007	ML	.XX	±.03	SCALE	5=32		
2	UPDATED EYEBOLTS TO 2 WAS 1	DRS	08-22-2002	ML	.XXX	±.005	TITLE OUTLINE	440T FR. - EXP. PR.		
1	NEW DRAWING	HLB	02-18-2002	DJK	.XXXX	±.0005	MAT'L	REF		
NO.	REVISION	BY & DATE		CHK	ANG	±7'30"	FINISH	FMF		
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				RFP	CAD FILE ss518995		SIZE	DRAWING NO.	PAGE OF	REV.
				DIST	WA	B	SS518995	3		

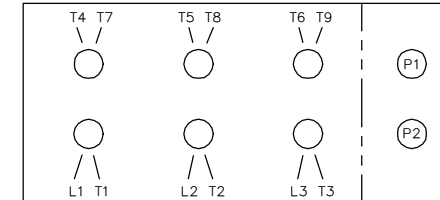
LOW VOLTAGE



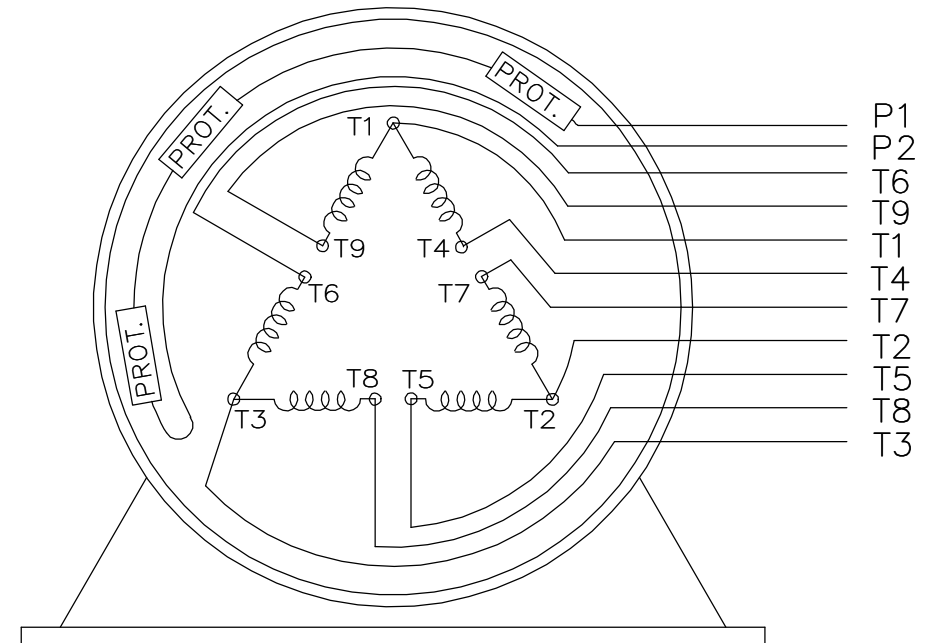
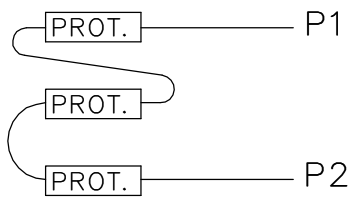
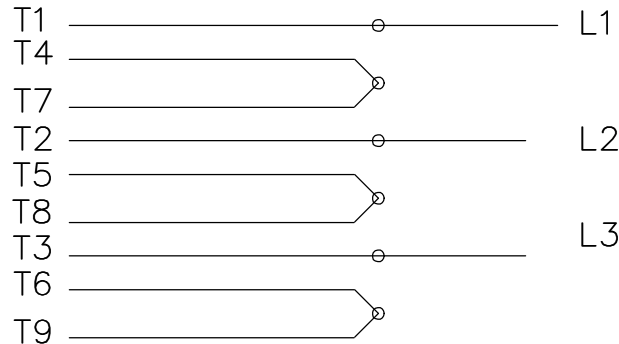
LOW VOLTAGE



HIGH VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

WHEN MORE THAN ONE PROT. IS USED; PROT. ARE CONNECTED IN SERIES

DRAWING REVISION <b>L</b>	REVISION BY <b>JP</b>	REV DATE/© DATE <b>06-21-2019</b>	TOLERANCES (EXCEPT AS NOTED): DEC.    INCH    mm    ANGLE .X       ±0.1     [±3] .XX      ±0.02    [±0.5] .XXX     ±0.005    [±0.13] .XXXX    ±0.0005   [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200/ 5.1 INCH    mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY <b>MJD</b>	Regal Beloit America, Inc.	
ECO <b>ECO-0168744</b>	APPROVED BY <b>MH</b>	DATE <b>06-21-2019</b>		DATE <b>12-19-1997</b>		
ECO DESCRIPTION <b>UPDATED TO CURRENT STANDARDS</b>			DESCRIPTION <b>CONN DIAGRAM-EXTERNAL</b>	APPROVED BY <b>GK</b>	MATERIAL	PROCESS/FINISH
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			THIRD ANGLE PROJECTION			