

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 286THTNA18536  
Catalog No: 286THTNA18536  
16,1800,TENV,286TD,3/60/460

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

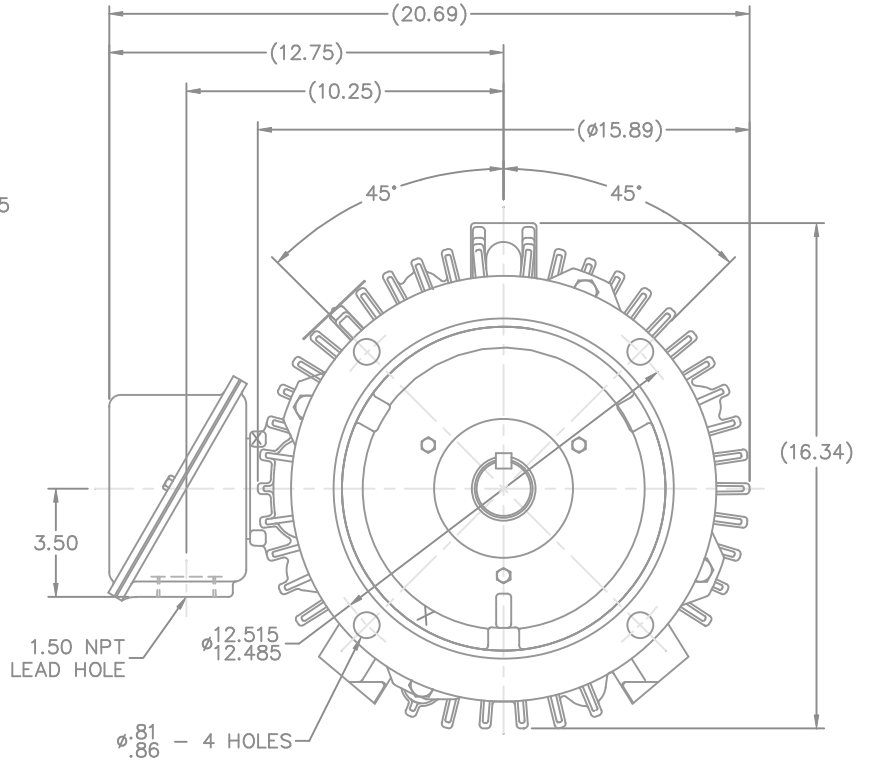
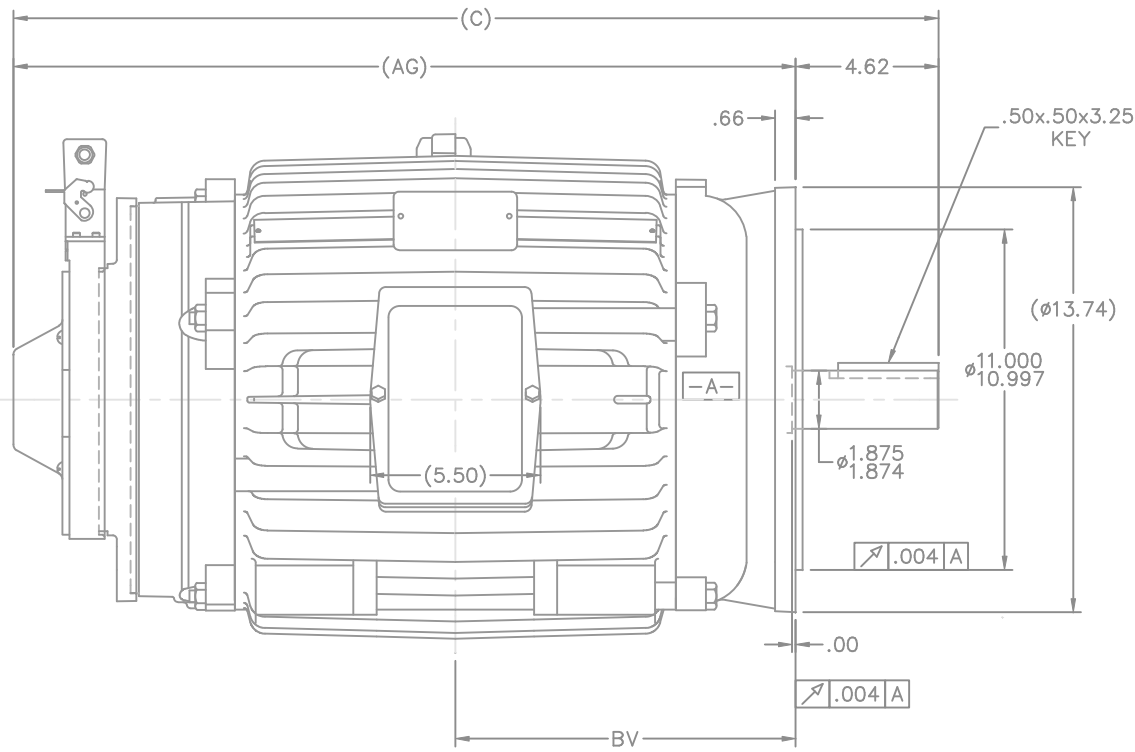
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>16 Hp</b>
Output KW	<b>11.9 kW</b>	Voltage	<b>460 V</b>
Speed	<b>1775 rpm</b>	Service Factor	<b>1</b>
Frame	<b>286TD</b>	Enclosure	<b>Totally Enclosed Non Ventilated</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>93 %</b>
Ambient Temperature	<b>45 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>20.0 A</b>	Power Factor	<b>80</b>
Duty	<b>Continuous</b>	Insulation Class	<b>H</b>
Design Code	<b>A</b>	KVA Code	<b>K</b>
Drive End Bearing Size	<b>311</b>	Opp Drive End Bearing Size	<b>311</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>55</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Duty</b>	Starting Method	<b>Inverter Only</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.3 Ohms</b>	Mounting	<b>Round</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>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Outline Drawing	<b>B-SS311821-1425</b>	Connection Drawing	<b>A-EE7300LA</b>

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- NOTES:
1. C'BOX CAN ONLY BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION.
  2. C'BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
  3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

1275	284T	28.39	23.77	---	---	---	---	9.50
1425	284/6T	29.89	25.27	---	---	---	---	11.00
DASH	FRAME	C	AG	B	2F	2FF	2FFF	BV

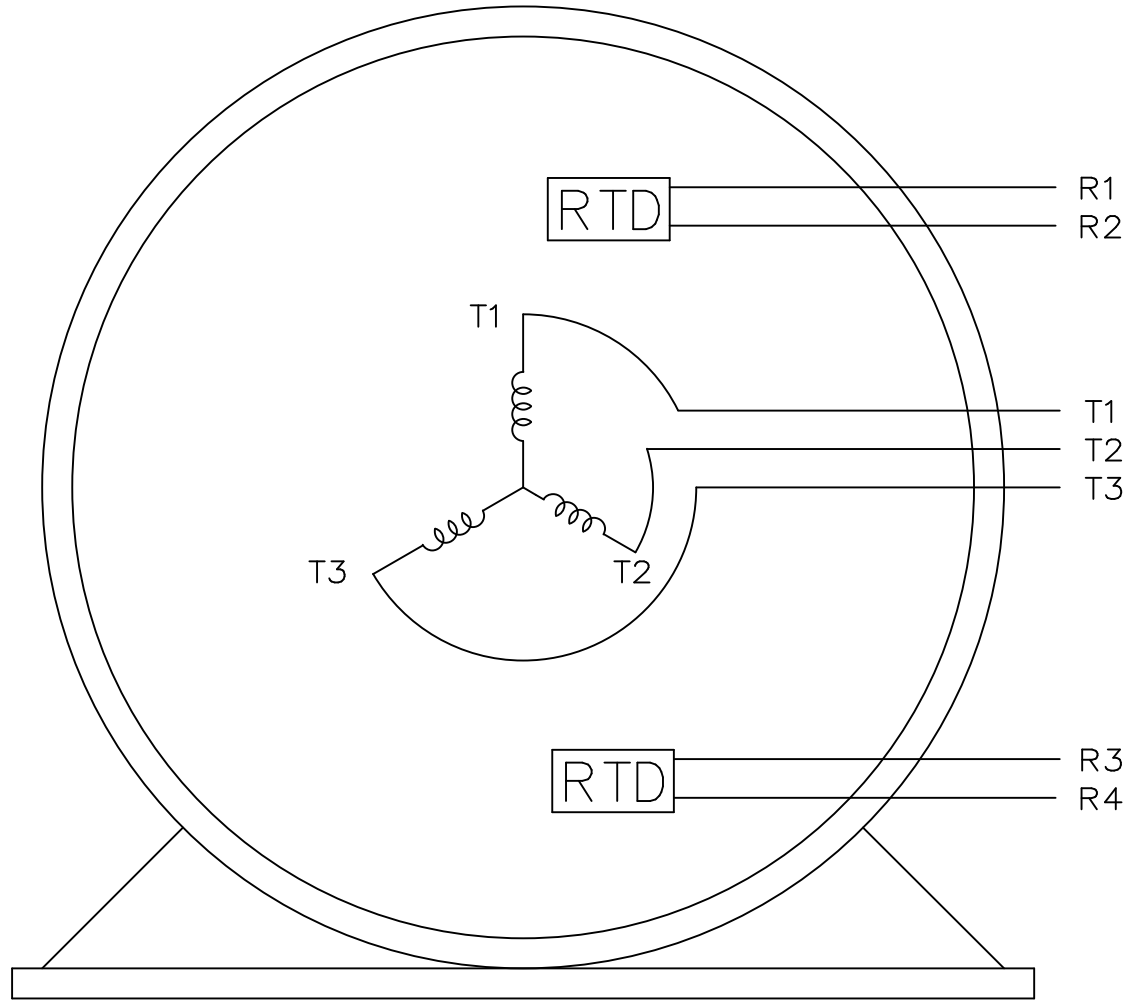
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		DEC.	INCHES	CHK	ML 04-12-2006	
		.X	±.1	APPD	DD 04-12-2006	
		.XX	±.03	SCALE	1=4	
		.XXX	±.005	REF		
		.XXXX	±.0005	FMF	MU70411	
		CHK	ANG ±7'30"	PREV		
1		REPLACED TACH, ADAPTER & FRONT BRKT	MU70411	MSG		
NO.		REVISION	BY & DATE	RFP	CAD FILE ss311821	
		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			SIZE	DRAWING NO. PAGE OF REV.
		DIST	LB	B	SS311821	1



TITLE OUTLINE - TENV - AVTRON M85 TACH  
280TD FR. - BB - STD - 12.50 LAM

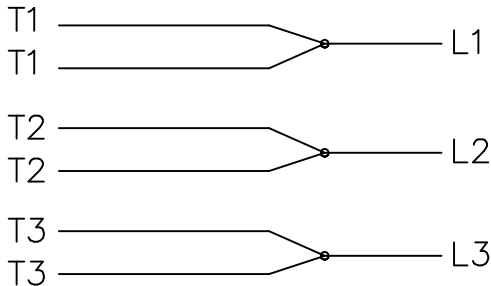
THREE PHASE – SINGLE VOLTAGE  
 MOTOR OR INDUCTION GENERATOR  
 2 RTD'S  
 ONE MARKED R1–R2, ONE MARKED R3–R4

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

				TOLERANCES UNLESS SPECIFIED			DRAWN DRS 03-15-2006	
				DEC.	INCHES		CHK ML 03-16-2006	
				.X	± -		APPD GK 03-16-2006	
				.XX	± -		SCALE 1=1	
				.XXX	± -		REF	
				.XXXX	± -	MAT'L.		
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH	FMF CN 40068	
				RFP	03-16-2006	CAD FILE EE7300LA	SIZE	DRAWING NO. PAGE OF
				DIST	WA-LB		A	EE7300LA
								REV.

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ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--

STACK:

-dictionary-  
-dictionary-  
/Pscript\_WinNT\_Compat  
-dictionary-