

# PRODUCT INFORMATION PACKET



Model No: 286THFNA17032  
Catalog No: 286THFNA17032  
30,1800,TEFC,286T,3/60/460

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**Nameplate Specifications**

Phase	3	Output HP	30 Hp
Output KW	22.4 kW	Voltage	460 V
Speed	1776 rpm	Service Factor	1
Frame	286T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	92.4 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	38.5 A	Power Factor	78.5
Duty	Continuous	Insulation Class	H
Design Code	A	KVA Code	J
Drive End Bearing Size	311	Opp Drive End Bearing Size	210
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

**Technical Specifications**

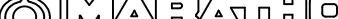
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.17 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F3
Outline Drawing	B-SS311826-1425	Connection Drawing	A-EE7300T

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NOTES:

1. BOX CAN ONLY BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION.
2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B		C	2F	2XF	BS
1275	284T	12.50		29.48	9.50		4.75
1425	284/286T	13.00		30.98	11.00	9.50	5.50

				TOLERANCES UNLESS SPECIFIED		DRAWN RJW 01-25-2008
			DEC.	INCHES		CHK ML 01-25-2008
			.X	±.1		APPD BW 01-27-2008
			.XX	±.03		SCALE 1=5
			.XXX	±.005		REF
			.XXXX	±.0005		FMF MU70692
NO.	REVISION	BY & DATE	CHK ANG	±7°30"	FINISH	PREV
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 01-27-2006 CAD FILE SS311826	SIZE B DRAWING NO. SS311826 PAGE OF REV.
			DIST LB			

THREE PHASE - SINGLE VOLTAGE  
MOTOR - CONDUIT BOX @ 'A'

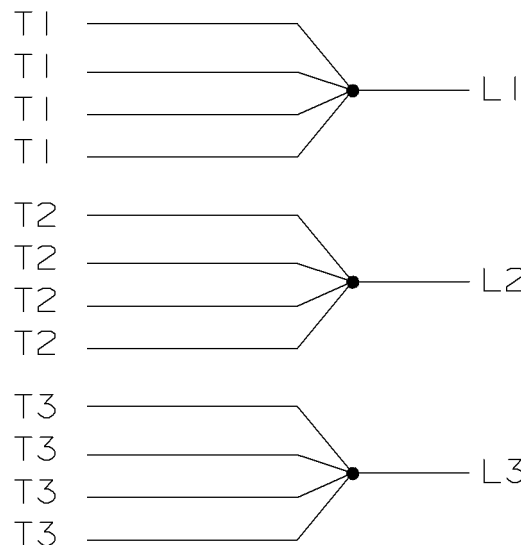
A- EE7300T

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS

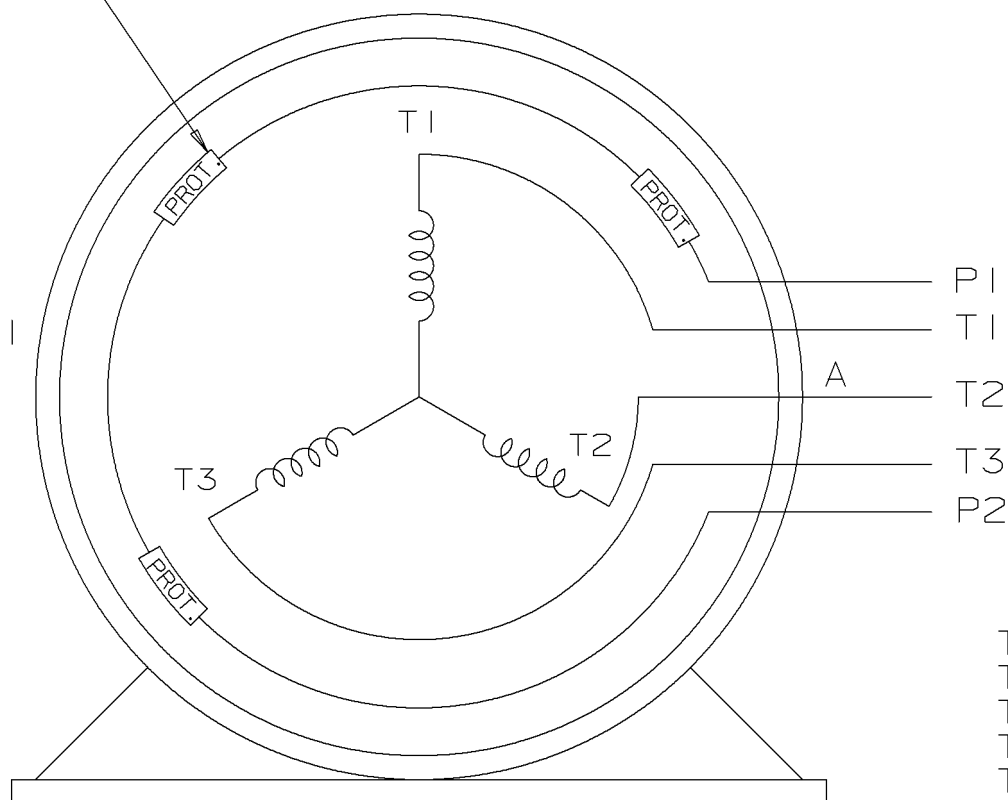
NOTE FOR FACTORY USE ONLY:  
TO SURGE TEST:

FOR 3 LEAD COMMON CONNECT:  
CONNECT P1 TO T1 THEN P2 TO L1  
FOR 6 LEAD COMMON CONNECT:  
CONNECT P1 TO BOTH T1  
THEN P2 TO L1

IF MOTOR HAS 12 LEADS



3 THERMO - PROTECTORS  
CONNECTED IN SERIES.



VIEW OF TERMINAL END

T2BM  
T6AW  
T6AL  
T6Z  
T4EG  
T4BF  
T8A  
T6H  
T6A  
T4AX  
T4A  
T2A  
T2F

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±                   XXX±.005           XXXX±.0005           ANGLES±			
1 4	06-03-97	ADDED SURGE TESTER NOTE - FOR FACTORY USE ONLY						