

PRODUCT INFORMATION PACKET



Model No: 286TTGN16538AA

Catalog No: 825082.00

..30HP..1800RPM.284TC.EPFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID-C.....

Explosion Proof



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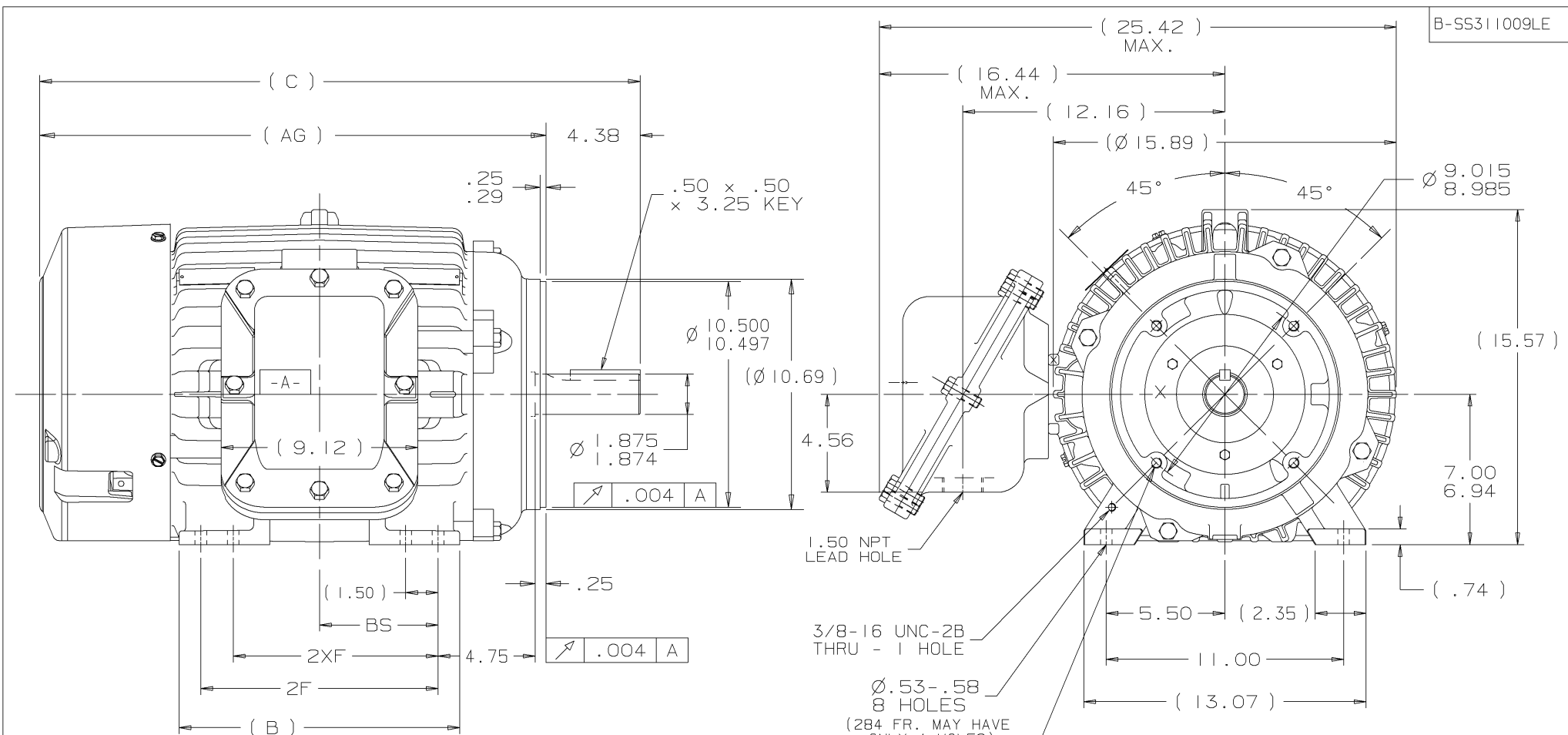


Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	73.0/36.5 A	Speed	1773 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	286TC
Enclosure	Explosion Proof Fan cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6311
Opp Drive End Bearing Size	6210	UL	No
CSA	N	CE	N
IP Code	54		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	27.84 in	Frame Length	14.25 in
Shaft Diameter	1.875 in	Shaft Extension	4.62 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	B-SS311009LE-1425	Connection Diagram	A-EE7308T-LE

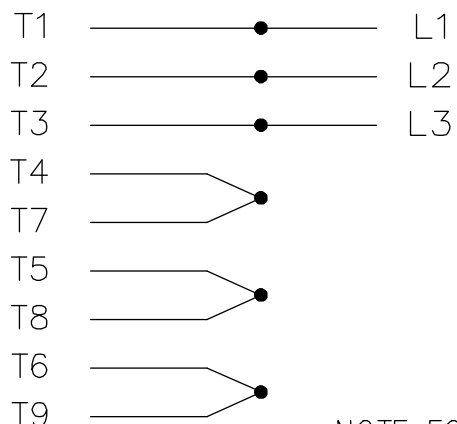


NOTES:

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.

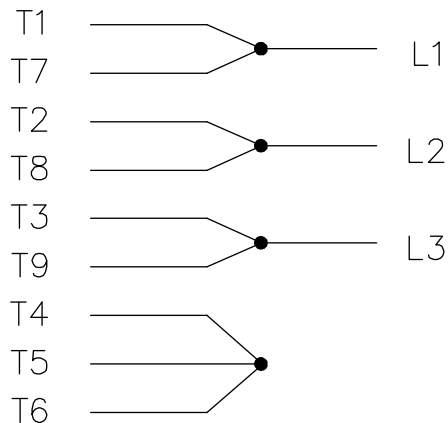
								TOLERANCES UNLESS SPECIFIED				ELECTRIC MOTORS GEARMOTORS AND DRIVES				DRAWN CAV 05-29-2002			
								DEC. TOLERANCE				LEESON				CHK ML 05-30-2002			
								.X ± .1				TITLE OUTLINE EXP. PR. TGN				APPD BW 05-30-2002			
								.XX ± .03				280TC FR. BB STD. 12.50 LAM				SCALE			
								.XXX ± .005				SURFACE ROUGHNESS UNLESS SPECIFIED				REF			
								.XXXX ± .0005				MAT'L.				FMF			
								CHK ANG ± 7°30"				FINISH				PREV			
DASH	FRAME	B	AG	C	2F	2XF	BS	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				PURCHASED				SIZE B			
1275	284TC	12.50	21.96	26.34	9.50		4.75	NO. NEW DRAWING MU41B74				CAD FILE 55311009				DRAWING NO. 55311009LE			
1425	284/286TC	13.00	23.46	27.84	11.00	9.50	5.50	BY DATE				SHOP BOOK				REV. I			

HIGH VOLTAGE



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

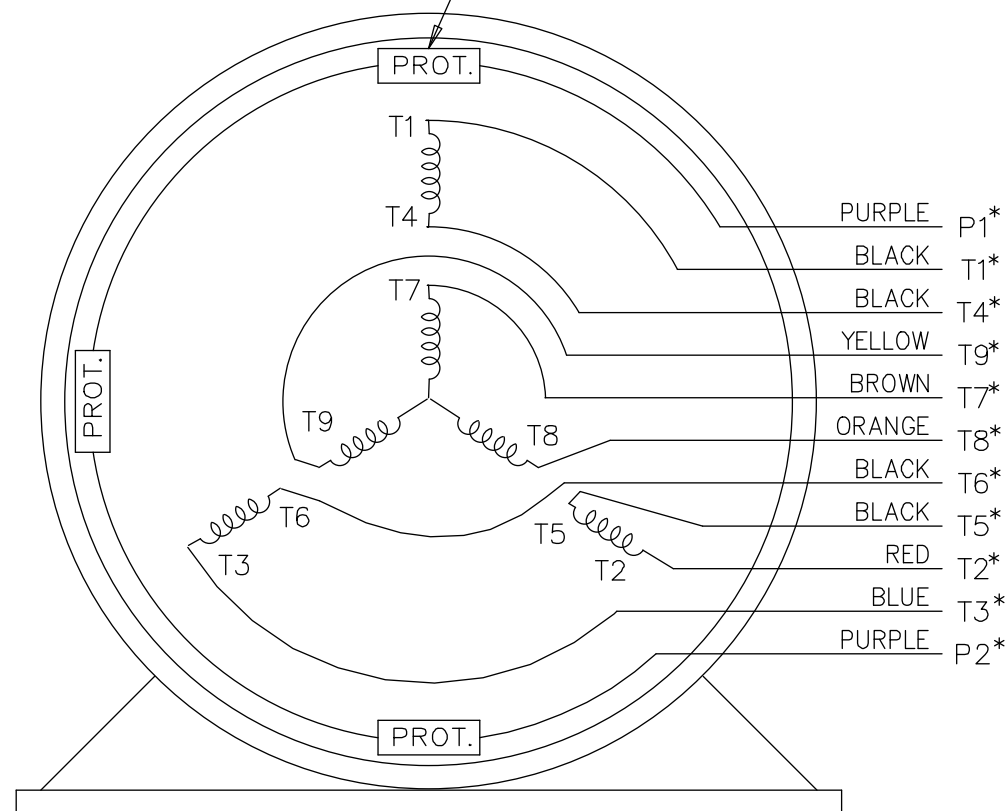
LOW VOLTAGE



THREE PHASE DUAL VOLTAGE MOTOR

EE7308T-LE

THREMO-PROTECTORS
CONNECTED IN SERIES.



VIEW OF TERMINAL END

* USE LEADS AS PER PLANT STANDARD IRRWSPECTIVE OF THEIR COLOUR.

			TOLERANCES UNLESS SPECIFIED			 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN TJB 05-07-2002		
05	ADDED * NOTE PER ECN # 26921	UD 01-30-2013	JD	DEC.	INCHES		CHK	ML	05-08-2002
04	ADDED COLORS TO "T & P" LEADS CN 40494	MSG 08-08-2006	ML	.X	±.1	TITLE CONNECTION DIAGRAM 3 PHASE - DUAL VOLTAGE MOTOR	APPD	TB	05-08-2002
03	RE-ISSUE	NJS 04-21-2004	JET	.XX	±.02		SCALE	1=1	
02	REDRAWN	TAT 04-20-2004	ML	.XXX	±.005		REF		
01	NEW DRAWING CN 34708	TJB 05-08-2002	ML	.XXXX	±.0005	MAT'L.	FMF		
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			CAD FILE EE7308T_LE	SIZE A	DRAWING NO. EE7308T-LE	PAGE OF 05
			DIST	LB-WP-LE					

Data Sheet

Date: 1/24/2018

825082.00



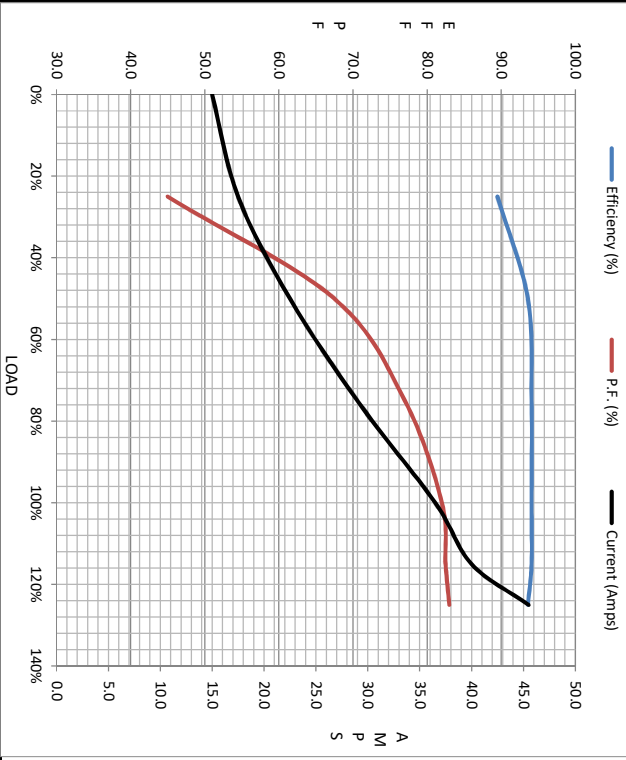
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	15.0	17.5	22.5	29.0	36.5	40.0	45.5	217
Torque (ft-lb)	0.00	22.0	44.0	66.5	89.0	100	112	165
RPM	1800	1795	1785	1780	1773	1,770	1765	0
Efficiency (%)		89.5	93.6	94.1	94.1	94.1	93.6	
P.F. (%)	6.0	45.0	67.5	77.0	82.0	82.5	83.0	34.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	900	1650	1773	1800		
Current (Amps)	217	200	130	36.5	15.0	HP	30.0
Torque (ft-lb)	165	155	245	89.0	0.00	Sync. RPM	1800



Speed - Torque Curve

