

PRODUCT INFORMATION PACKET



Model No: 811601.00
Catalog No: 811601.00
..30HP..1800RPM.286T.EPFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.....

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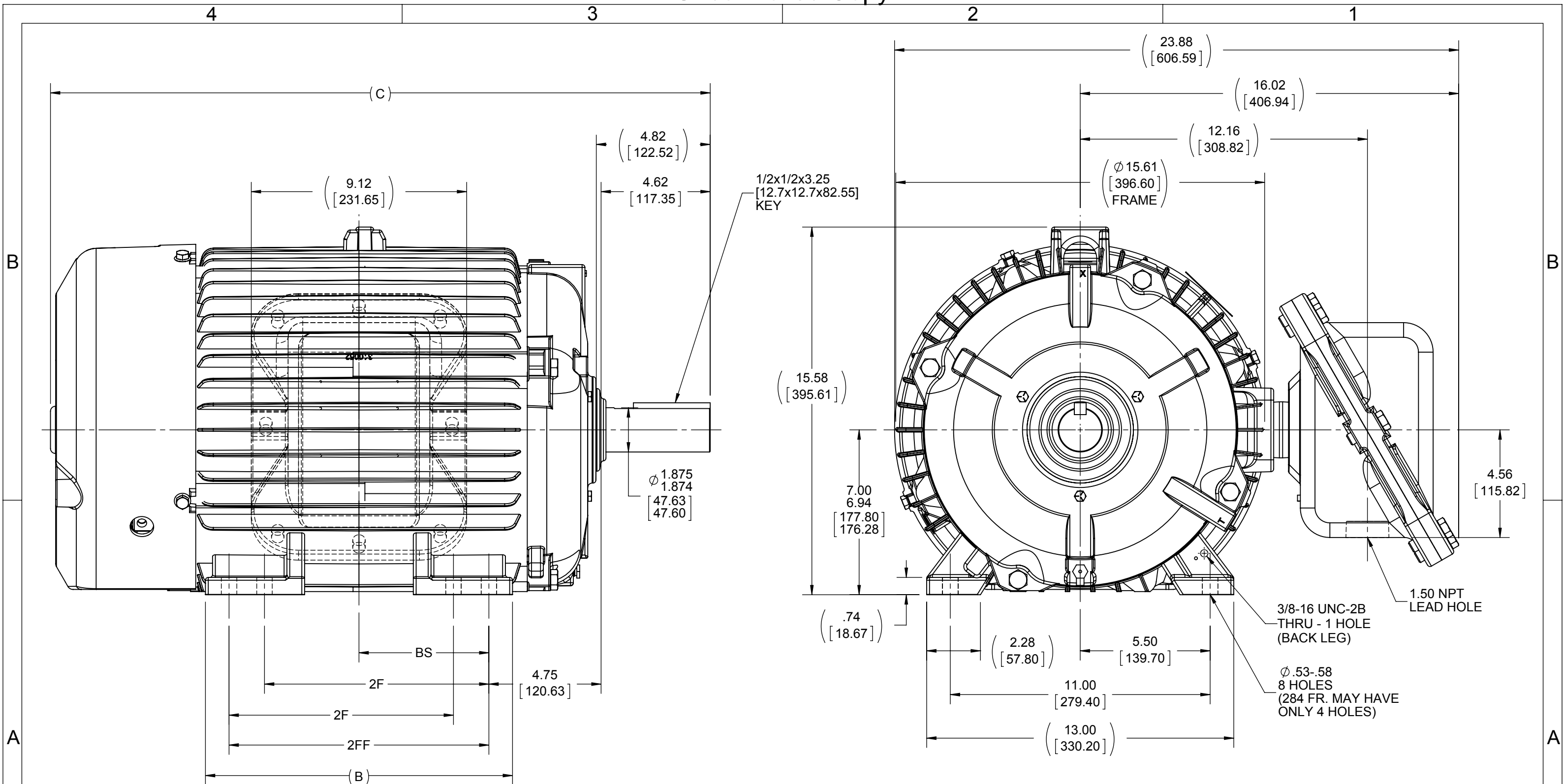
Nameplate Specifications

Phase	3	Output HP	30 & 25 Hp
Output KW	22.4 & 18.7 kW	Voltage	230/460 & 190/380 V
Speed	1773 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	286T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	94.1 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	73/36.5 & 74/37 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	No	CSA	N
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.205 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	F2 ONLY
Inverter Load	CONSTANT 10:1		
Outline Drawing	B-SS311472-1425	Connection Drawing	A-EE7308T-LE

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NOTES:

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

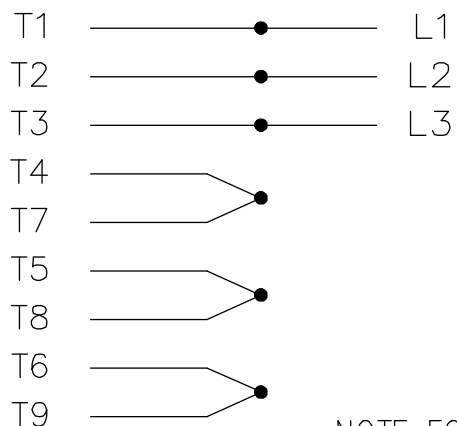
1275	284T	26.43 [671.32]	12.50 [317.50]	---	9.50 [241.30]	4.75 [120.65]
1425	284/286T	27.93 [709.40]	13.00 [330.20]	9.50 [241.30]	11.00 [279.40]	5.50 [139.70]
DASH	FRAME	C	B	2F	2FF	BS

DRAWING REVISION A	REVISION BY MSG	DATE 01-14-2014
ECO ECO-0043198	APPROVED BY	DATE
ECO DESCRIPTION NMR-0048701		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP			
EDGES: .003/.015 [0.076/.381]			
CORNER FILLETS: .02 [0.51]			
MACHINED SURFACES: 200 INCH 5.1/mm			
mm SHOWN IN [BRACKETS]			

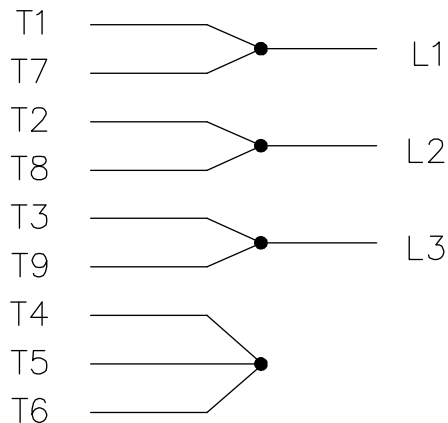
DRAWN BY MSG	 Regal Beloit America, Inc.		
DATE 01-14-2014			
APPROVED BY TB	DESCRIPTION OUTLINE 280T FR. - EPFC - F2 BOX		
DATE 01-14-2014	MATERIAL		
PROCESS/FINISH	SIZE B		
THIRD ANGLE PROJECTION	DRAWING NUMBER SS311472		
	SHEET 1 OF 1		

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

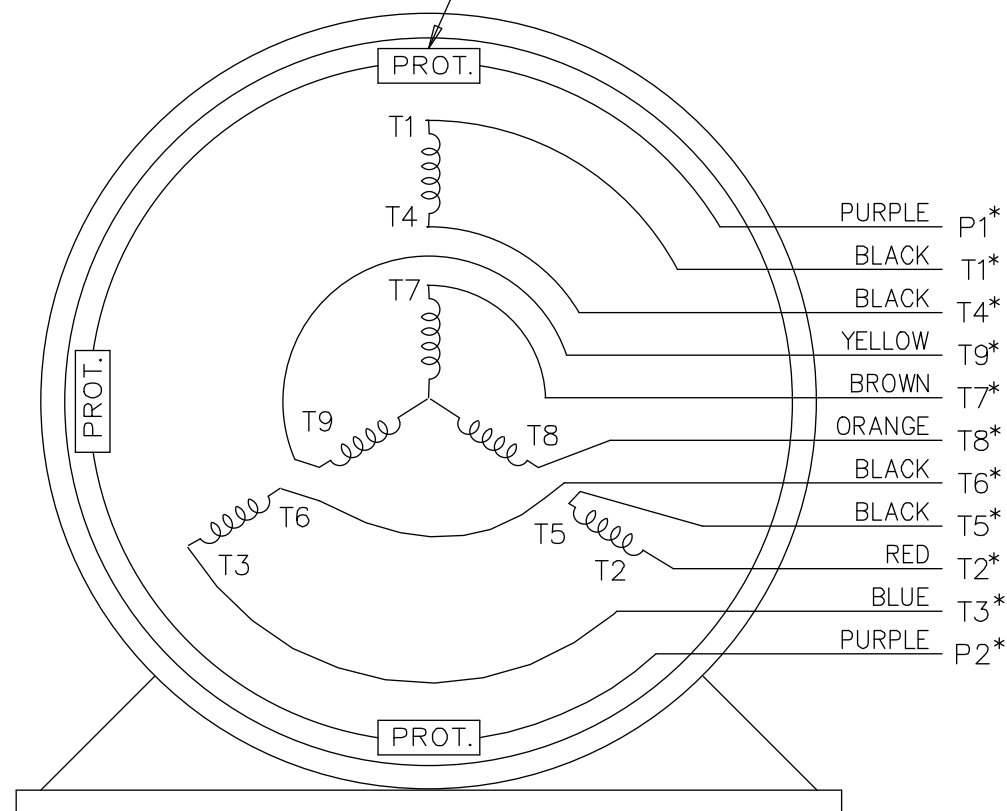


* USE LEADS AS PER PLANT STANDARD IRRWSPECTIVE OF THEIR COLOUR.


THREE PHASE DUAL VOLTAGE MOTOR

EE7308T-LE

THREMO-PROTECTORS
CONNECTED IN SERIES.



VIEW OF TERMINAL END

				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		APPD TB 05-08-2002			
03	RE-ISSUE	NJS 04-21-2004	JET	.XX	±.02	TITLE CONNECTION DIAGRAM 3 PHASE – DUAL VOLTAGE MOTOR	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			
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			DIST LB-WP-LE				A	EE7308T-LE		05