

PRODUCT INFORMATION PACKET



Model No: 286TSTFPA14002

Catalog No: U750

General Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
286TSC Frame, TEFC

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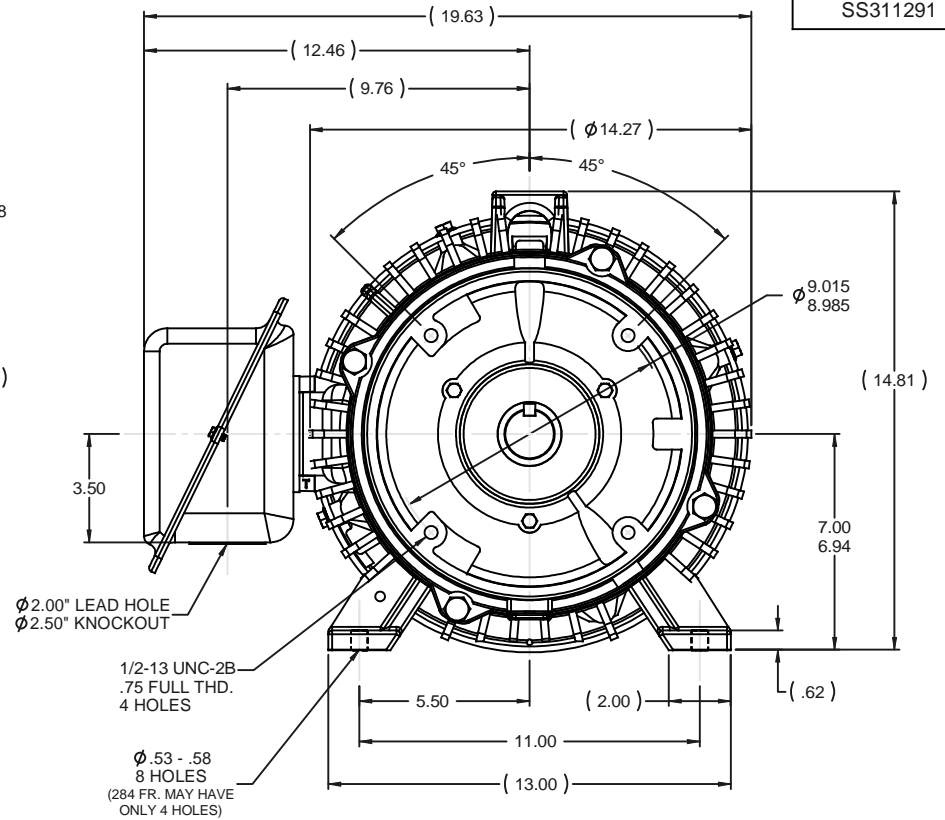
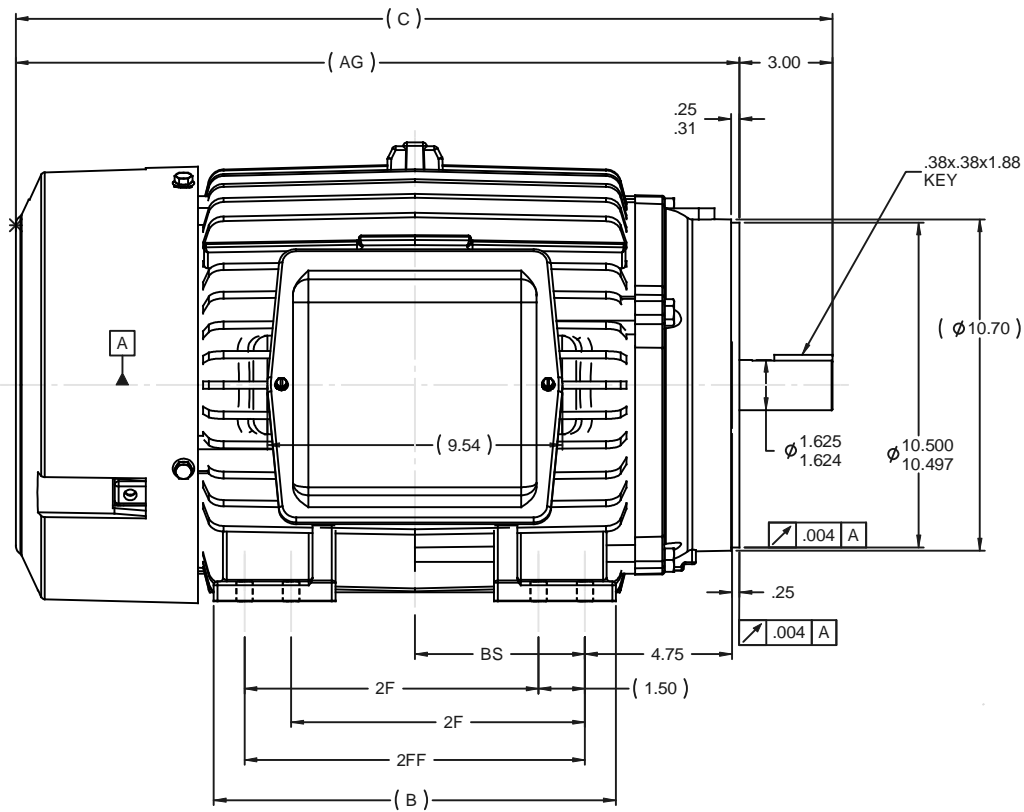


Nameplate Specifications

Phase	3	Output HP	30 & 25 Hp
Output KW	22.4 & 18.7 kW	Voltage	230/460 & 190/380 V
Speed	3530 & 2925 rpm	Service Factor	1.15 & 1.15
Frame	286TSC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	72/36 & 72/36 A	Power Factor	85.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.29 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	26.39 in
Frame Length	14.25 in	Shaft Diameter	1.625 in
Shaft Extension	3.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1		
Connection Drawing	A-EE7308	Outline Drawing	B-SS311291-1425

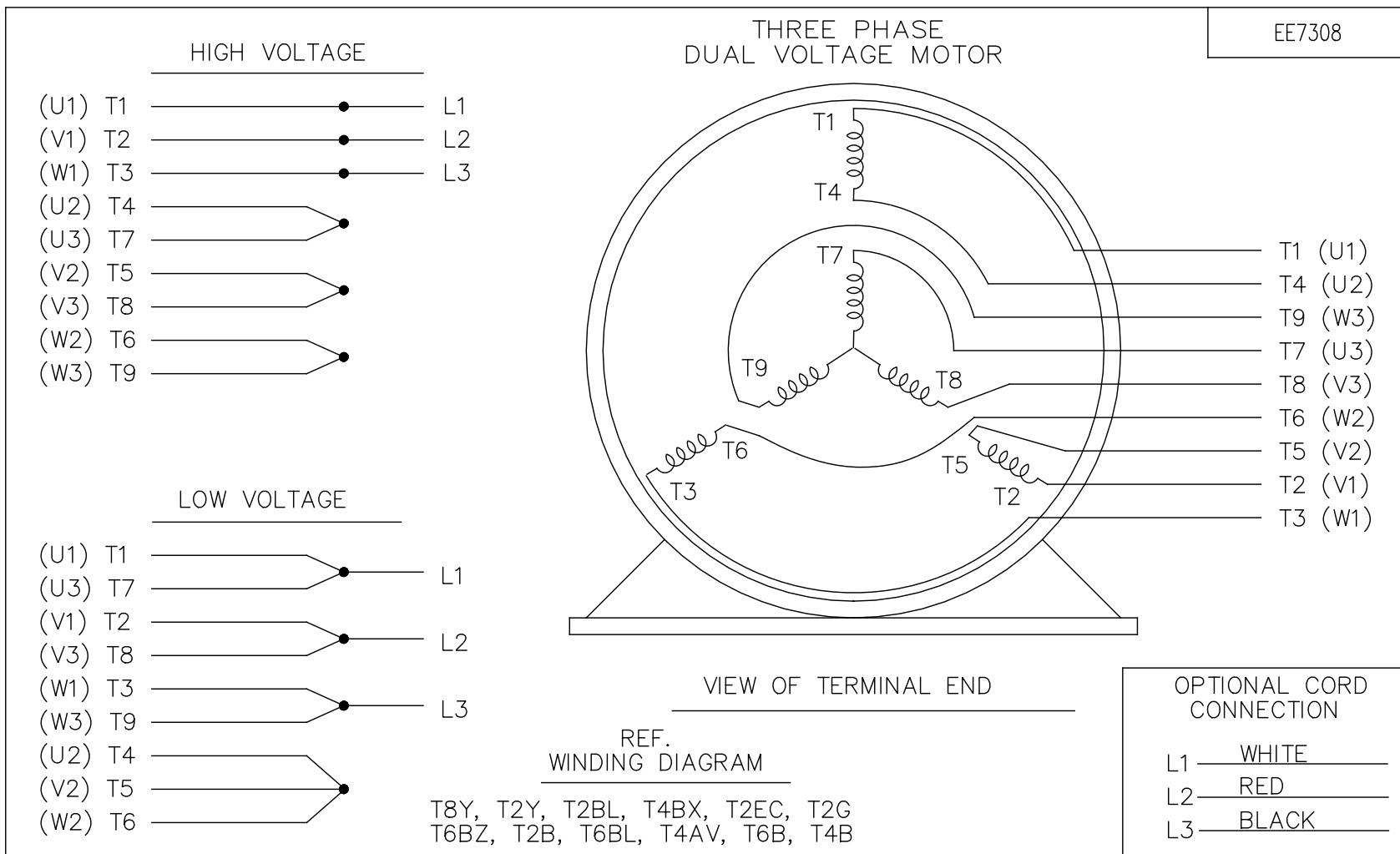



NOTES:

- 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- NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	AG	2F	2FF	BS
1275	284TSC	11.50	24.89	21.89	9.50		4.75
1425	286TSC	13.00	26.39	23.39	9.50	11.00	5.50

				TOLERANCES UNLESS SPECIFIED	MARATHON ELECTRIC	DRAWN TJB 03-19-2002	
				DEC INCHES		CHK DRS 03-20-2002	
3	REVISED MOUNTING HOLE QUANTITY CN 40694	DRS 10-25-2006	ML	XX ±.03	TITLE OUTLINE - TEFC - TFPA 280TSC FR. - CFACE - 11.00 LAM	APPR TB 03-20-2002	SCALE 1:4
2	REDRAWN IN AUTOCAD	TAT 06-28-2004	ML	XXX ±.005			REF
1	NEW DRAWING CN 34815	TJB 03-20-2002	TB	XXX ±.0005			FMF
NO	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
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			DIST	LB			REV 3



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RM 11/20/1990				
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005	TITLE CONNECTION DIAGRAM 3ø – DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005	MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7"30"	FINISH	PREV				
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