

# PRODUCT INFORMATION PACKET

Model No: 286TTDR7395

Catalog No: M819

Other Purpose Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 286HPV Frame, DP

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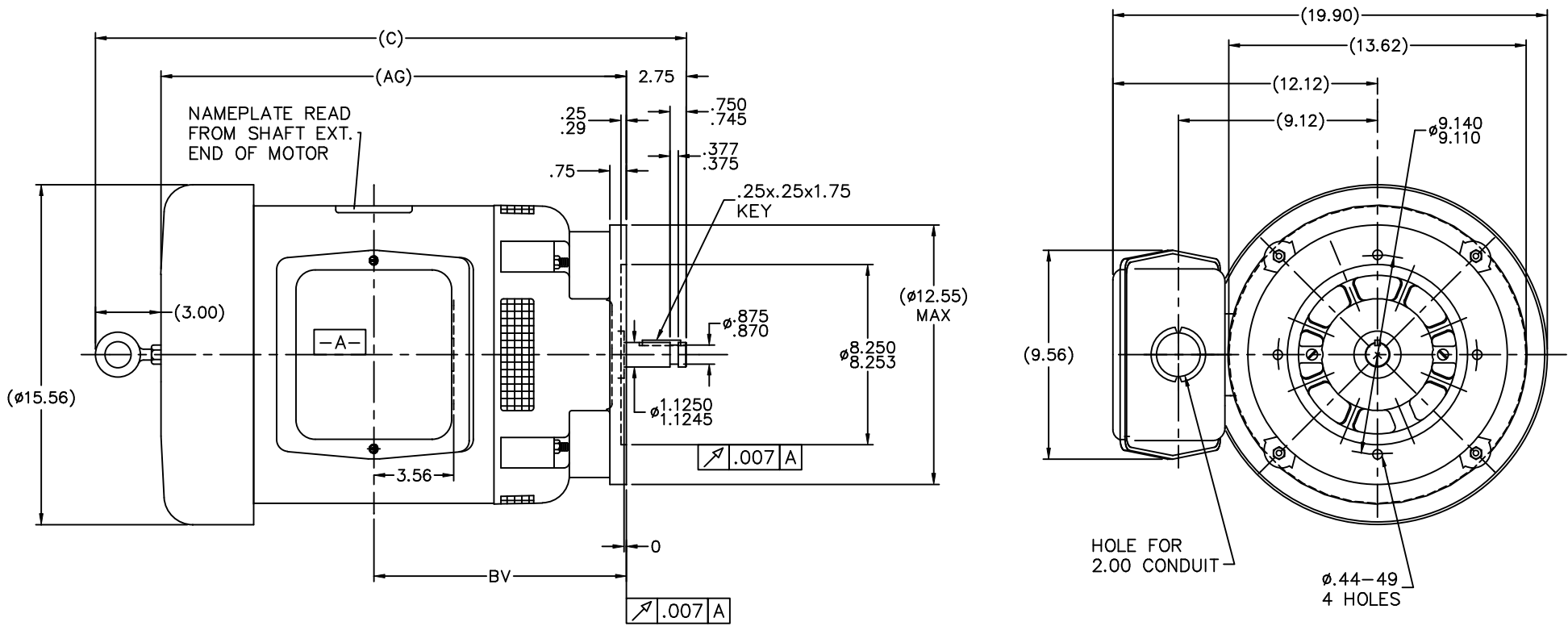


### Nameplate Specifications

Output HP	<b>20 Hp</b>	Output KW	<b>14.9 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>53.0/26.5 A</b>	Speed	<b>1160 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>88.5 %</b>	Power Factor	<b>80</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Frame	<b>286HPV</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6311</b>	Opp Drive End Bearing Size	<b>6210</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>22</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.675 Ohms</b>	Mounting	<b>Round</b>
Motor Orientation	<b>Shaft Down</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>HP</b>	Overall Length	<b>28.56 in</b>
Frame Length	<b>12.50 in</b>	Shaft Diameter	<b>1.875 in</b>
Shaft Extension	<b>2.75 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Outline Drawing	<b>B-SS28183-1250</b>	Connection Drawing	<b>A-EE7308</b>



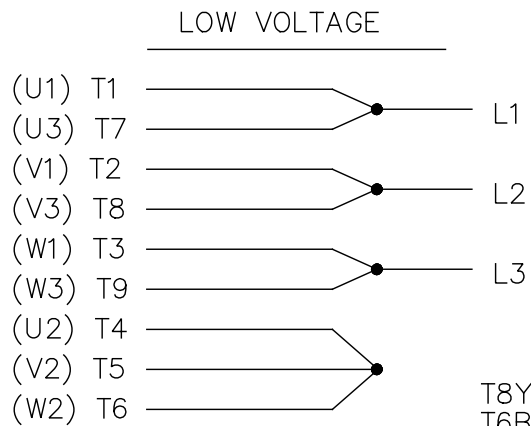
- NOTE:  
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.  
 2. NAMEPLATE TO BE READ FROM SHAFT EXT. END OF MOTOR

DASH	FRAME	AG	C	BV
1100	284/6HP	21.31	27.06	11.56
1250	284/6HP	22.81	28.56	12.31
1350	284/6HP	23.81	29.56	12.81

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN NJS 12-29-1999	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH		CHK	ML
10	REDRAWN IN AUTOCAD	TAT 07-22-2004	ML	.X	±.1	TITLE OUTLINE-"P" FLG.-NEMA SHAFT EXT. 280 HP FR.-BB-TS-VERT. DR. PR.	CHK	ML 12-29-1999
9	REVISED TO NEC CONDUIT BOX CN 28428	NJS 02-18-2000	.XX	±.03	APPD		GK 12-29-2000	
8	ADDED 286 FR. TO DASH 1100 MU28622	MJD 02-10-2000	.XXX	±.005	SCALE		7-32	
7	REDRAWN ON CADD - WAS "A" SIZE	NJS 12-29-1999	.XXXX	±.0005	REF			
						MATL	FMF	
						FINISH	PREV	
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						RFP	B	SS28183 10
						DIST LB		

EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	PREV
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		
					±7'30"		
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						DIST WP	
						CAD FILE ee7308	
						SIZE A	
						DRAWING NO. EE7308	
						PAGE OF 5	
						REV. 5	

**REGAL**™ Regal Beloit America, Inc. DRAWN RM 11/20/1990  
CHK ML 11/21/1990  
APPD SAS 04/24/2003

TITLE CONNECTION DIAGRAM  
3Ø - DUAL VOLTAGE MOTOR  
SCALE 1=1  
REF  
FMF