

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 286TTDR14081

Catalog No: M819A

20 HP Vertical Solid Shaft P-Base Motor, 3 phase, 1200 RPM, 230/460 V, 286HPV Frame, ODP  
Vertical Pump Motors

Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E

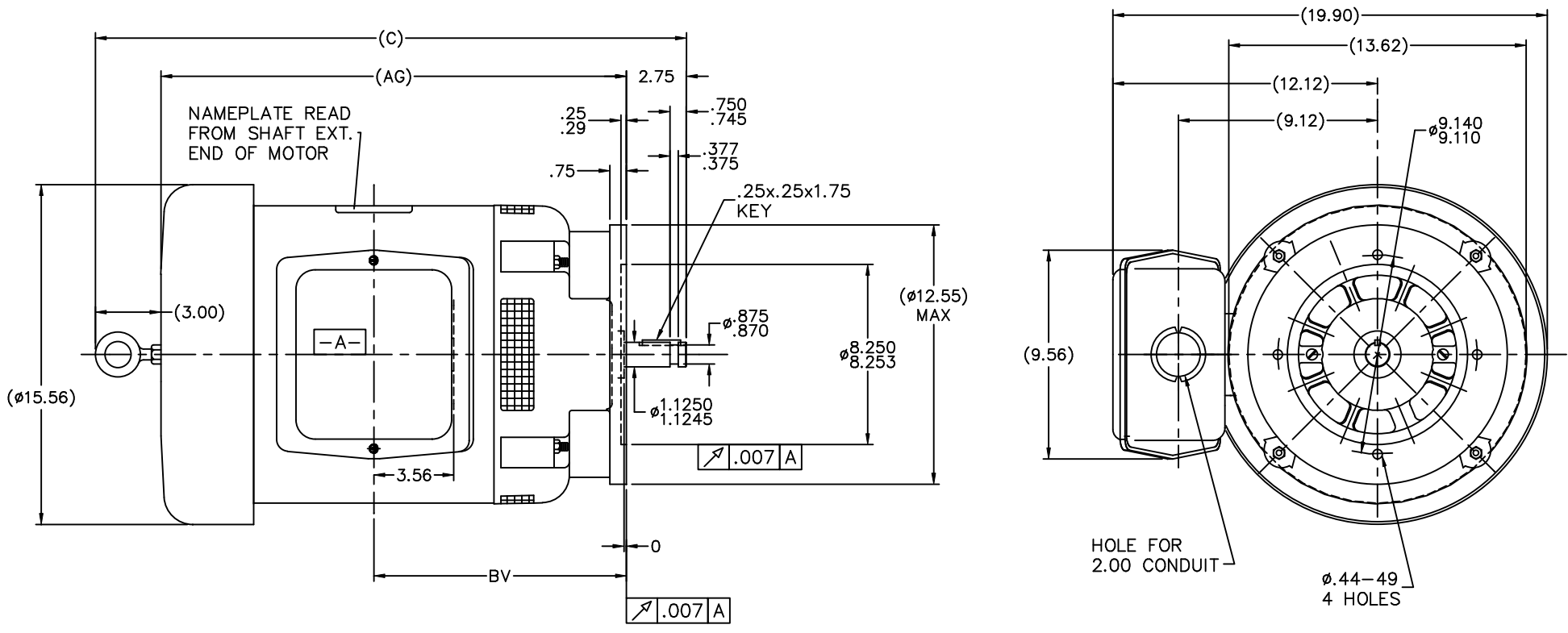
The logo for Regal Rexnord, featuring a stylized 'R' icon followed by the text 'RegalRexnord'.

### 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>1165 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>91 %</b>	Power Factor	<b>79</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Frame	<b>286HPV</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No</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>0.565 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>29.56 in</b>
Frame Length	<b>13.50 in</b>	Shaft Diameter	<b>1.880 in</b>
Shaft Extension	<b>2.75 in</b>	Assembly/Box Mounting	<b>F1/F2 Capable</b>
Connection Drawing	<b>A-EE7308</b>	Outline Drawing	<b>B-SS28183-1350</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	PREV					
10	REDRAWN IN AUTOCAD	TAT 07-22-2004	ML	.X	±.1		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				
							FMF				
							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 ss28183	SIZE B	DRAWING NO. SS28183	PAGE 10	OF 10	REV. 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	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					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		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			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 ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					

