

PRODUCT INFORMATION PACKET

Model No: 286TTFPA17079

Catalog No: M894

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

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Nameplate Specifications


Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	52.5/26.2 A	Speed	1160 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Frame	286HPV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
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 Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	.58 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	HP	Overall Length	27.38 in
Frame Length	14.25 in	Shaft Diameter	1.875 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308	Outline Drawing	B-SS311024-1425

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.

DASH	FRAME	AG	C	BV
1275	284/6HP	26.13	28.88	11.00
1425	284/6HP	27.63	27.38	12.50

						TOLERANCES UNLESS SPECIFIED		DRAWN CAV 04-17-2000			
					DEC.	INCHES		CHK ML 05-03-2000			
3	CHANGED TOLERANCE FROM .007 TO .004	CN 31741	BJK 07-16-2002	DRS	.XX	±.03	TITLE OUTLINE - TEFC 280HP FR. - BB - P'BASE - 11.00 LAM	SCALE	1=4		
2	CORRECTED C'BOX HOLOE NOTE	CN 29200-1454	HLB 02-06-2001		.XXX	±.005		REF			
1	NEW DRAWING	MU23810	CAV 05-03-2000		.XXXX	±.0005		MATL	FIMF		
NO.	REVISION		BY & DATE	CHK	ANG	±7°30"	FINISH	PREV			
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				DIST	LB			B	SS311024	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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