

PRODUCT INFORMATION PACKET



Model No: 405TTFS14087

Catalog No: M918A

75 HP Vertical Solid Shaft P-Base Motor, 3 phase, 1200 RPM, 230/460 V, 405HPV Frame, TEFC
Vertical Pump Motors

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Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	185.0/92.5 A	Speed	1185 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	81
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	405HPV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6313
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	.1 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	40.69 in
Frame Length	16.75 in	Shaft Diameter	1.625 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS508404-1675	Connection Drawing	A-EE7308



SHAFT SHOULDER
IN LINE WITH
MOUNTING FACE

DRAWING REVISION G	REVISION BY JJB	DATE 09-08-2016
ECO ECO-0104950	APPROVED BY JHA	DATE 09-08-2016
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:

<u>DEC.</u>	<u>INCH</u>	<u>mm</u>	<u>ANGLE</u>
.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 [.076/381] X 45°

CORNER FILLETS: R.02 [.51]

MACHINED SURFACES: 200  **5.1**

mm SHOWN IN [BRACKETS]

DRAWN BY DD		 Regal Beloit America, Inc.	
DATE 04-28-1993			
APPROVED BY TB		DESCRIPTION OUTLINE 400HPV FR. - TEFC - 'P'--BASE - VERT. - SPL. EXT.	
DATE 04-30-1993			
REFERENCE		MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER SS508404
		SHEET 1 OF 1	

DASH	FRAME	C	AG	BV
1675	400HPV	40.58 [1030.73]	36.08 [916.43]	15.00 [381.00]



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		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		SCALE	1=1
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF	
					±7'30"		PREV	
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					DIST WP		A	EE7308 5



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TITLE CONNECTION DIAGRAM
3Ø – DUAL VOLTAGE MOTOR

MAT'L.

FINISH