

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 505UTDS805

Catalog No: M852

125 HP Vertical Solid Shaft P-Base Motor, 3 phase, 900 RPM, 460 V, 505P Frame, ODP
Vertical Pump Motors

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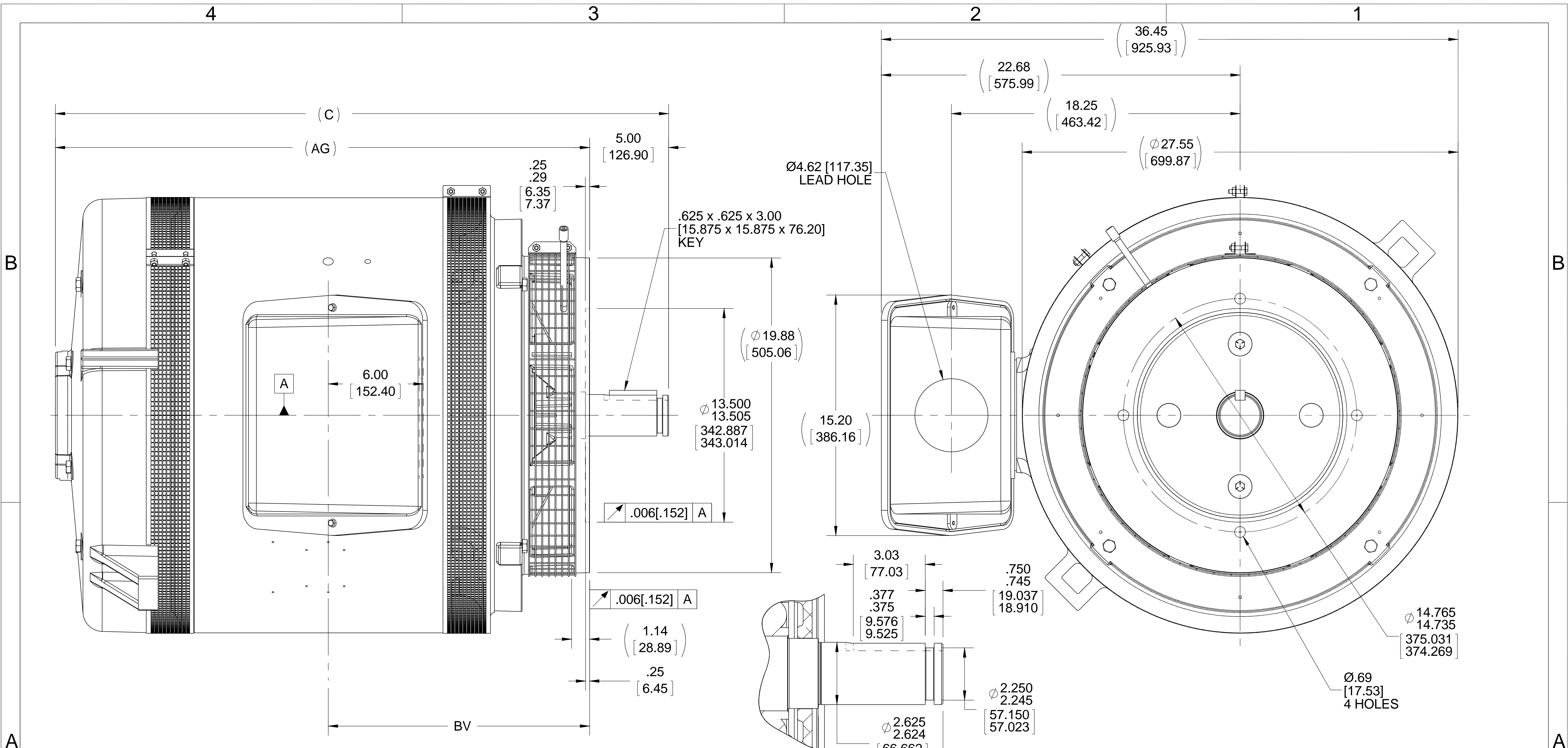
RegalRexnord

Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	168.0 A	Speed	890 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Power Factor	73
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	F
Frame	505P	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6318
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Resistance Main	.044 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	P	Overall Length	38.75 in
Shaft Diameter	3.375 in	Shaft Extension	5 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	A-EE7300U	Outline Drawing	B-SS510025-2100



NOTE:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF THE MOTOR.
 3. DIMENSIONS IN [] DESIGNATE MILLIMETERS.

DETAIL OF SHAFT EXTENSION

DASH	FRAME	C	AG	BV
2100	505P	38.76 [984.50]	33.77 [857.76]	16.52 [419.61]
2800	508P	45.76 [1162.30]	40.77 [1035.56]	20.02 [508.51]

DRAWING REVISION J	REVISION BY JJB	DATE 09-12-2016
ECO ECO-0098323	APPROVED BY DJK	DATE 09-12-2016
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.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 INCH/mm 5.1 mm SHOWN IN [BRACKETS]			

DRAWN BY SMC
DATE 08-01-1991
APPROVED BY GK
DATE 08-01-1991
REFERENCE
THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION OUTLINE	
500P FR. - BB - TS - DR. PR. - P'BASE - SCREENS	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS510025
	SHEET 1 OF 1

IF MOTOR HAS 9 LEADS



IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS



VIEW OF TERMINAL END

DRAWING REVISION L	REVISION BY AJW	DATE 05-04-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN BY DRS	Regal Beloit America, Inc.																					
ECO ECO-0077067	APPROVED BY EWH	DATE 05-05-2015	<table style="font-size: small; border-collapse: collapse;"> <tr> <td><u>DEC.</u></td> <td><u>INCH</u></td> <td><u>mm</u></td> <td><u>ANGLE</u></td> </tr> <tr> <td>.X</td> <td>±0.1</td> <td>[±2.5]</td> <td>±7' 30"</td> </tr> <tr> <td>.XX</td> <td>±0.02</td> <td>[±0.51]</td> <td></td> </tr> <tr> <td>.XXX</td> <td>±0.005</td> <td>[±0.127]</td> <td></td> </tr> <tr> <td>.XXXX</td> <td>±0.0005</td> <td>[±0.0127]</td> <td></td> </tr> </table>	<u>DEC.</u>			<u>INCH</u>	<u>mm</u>	<u>ANGLE</u>	.X	±0.1	[±2.5]	±7' 30"	.XX	±0.02	[±0.51]		.XXX	±0.005	[±0.127]		.XXXX	±0.0005	[±0.0127]		DATE 09-27-1996
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			DATE 09-30-1996			REFERENCE	SIZE A	DRAWING NUMBER EE7300U	SHEET 1 OF 1																	
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