

# PRODUCT INFORMATION PACKET

Model No: 505UTDS3998

Catalog No: M859

Other Purpose Motor, 200 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 505 PV Frame, DP

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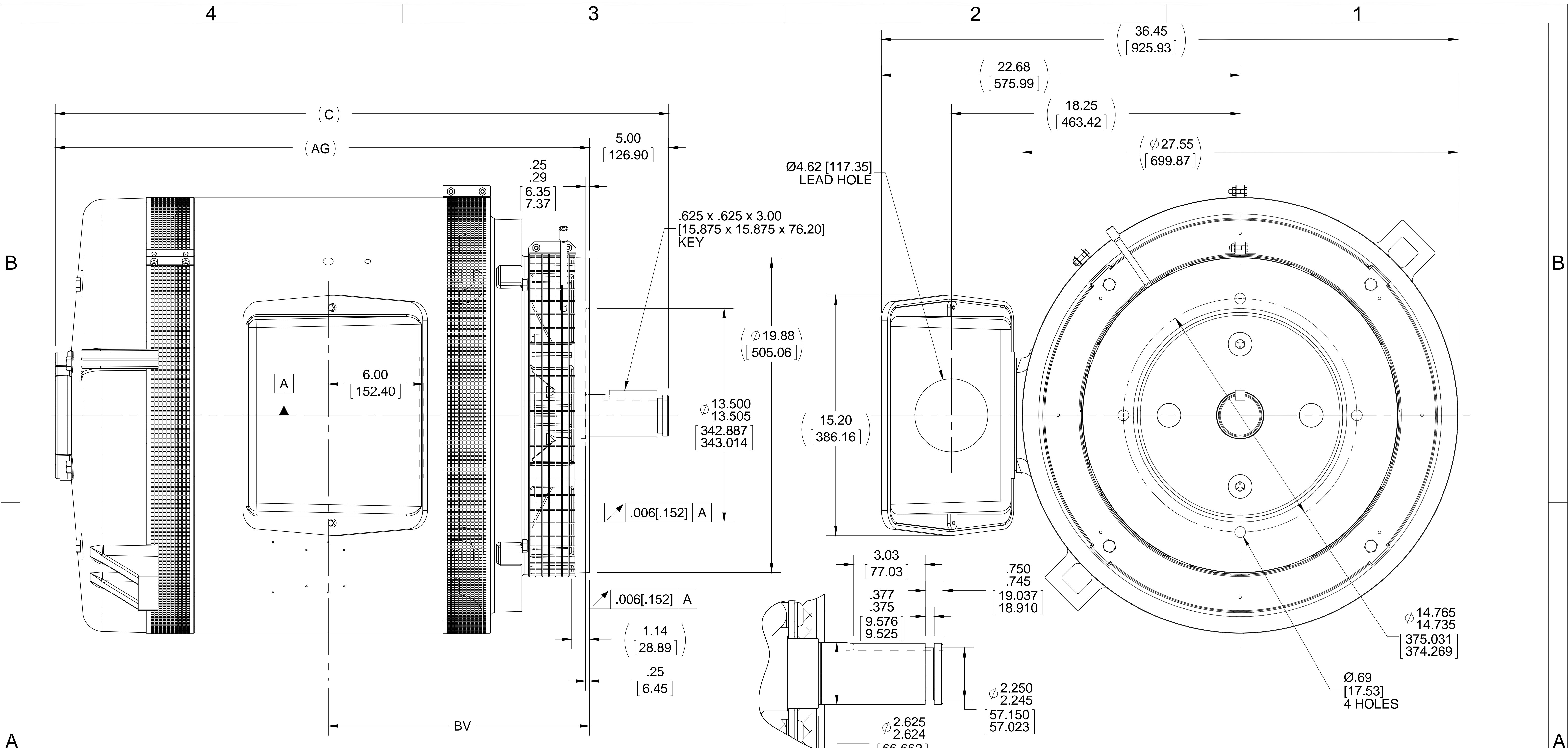
### Nameplate Specifications

Output HP	<b>200 Hp</b>	Output KW	<b>149.0 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>460 V</b>
Current	<b>250.0 A</b>	Speed	<b>1185 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>94.1 %</b>	Power Factor	<b>80</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>B</b>	KVA Code	<b>F</b>
Frame	<b>505 PV</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6316</b>	Opp Drive End Bearing Size	<b>6318</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>.0265 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>Cast Iron</b>
Shaft Type	<b>P</b>	Overall Length	<b>38.75 in</b>
Shaft Diameter	<b>2.625 in</b>	Shaft Extension	<b>5 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Connection Drawing	<b>A-EE7300U</b>	Outline Drawing	<b>B-SS510025-2100</b>

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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	$\pm 0.1$	[ $\pm 2.5$ ]	$\pm 7' 30"$
.XX	$\pm 0.03$	[ $\pm 0.76$ ]	
.XXX	$\pm 0.005$	[ $\pm 0.127$ ]	
.XXXX	$\pm 0.0005$	[ $\pm 0.0127$ ]	

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 <b>L</b>	REVISION BY <b>AJW</b>	DATE <b>05-04-2015</b>	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN BY <b>DRS</b>	<b>Regal Beloit America, Inc.</b>																					
ECO <b>ECO-0077067</b>	APPROVED BY <b>EWH</b>	DATE <b>05-05-2015</b>	<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 <b>09-27-1996</b>
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