

# PRODUCT INFORMATION PACKET



Model No: E491M2A

Catalog No: E491M2A

25.0 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 230/460 V, 256JM Frame, ODP  
Close-Coupled Pump Motors



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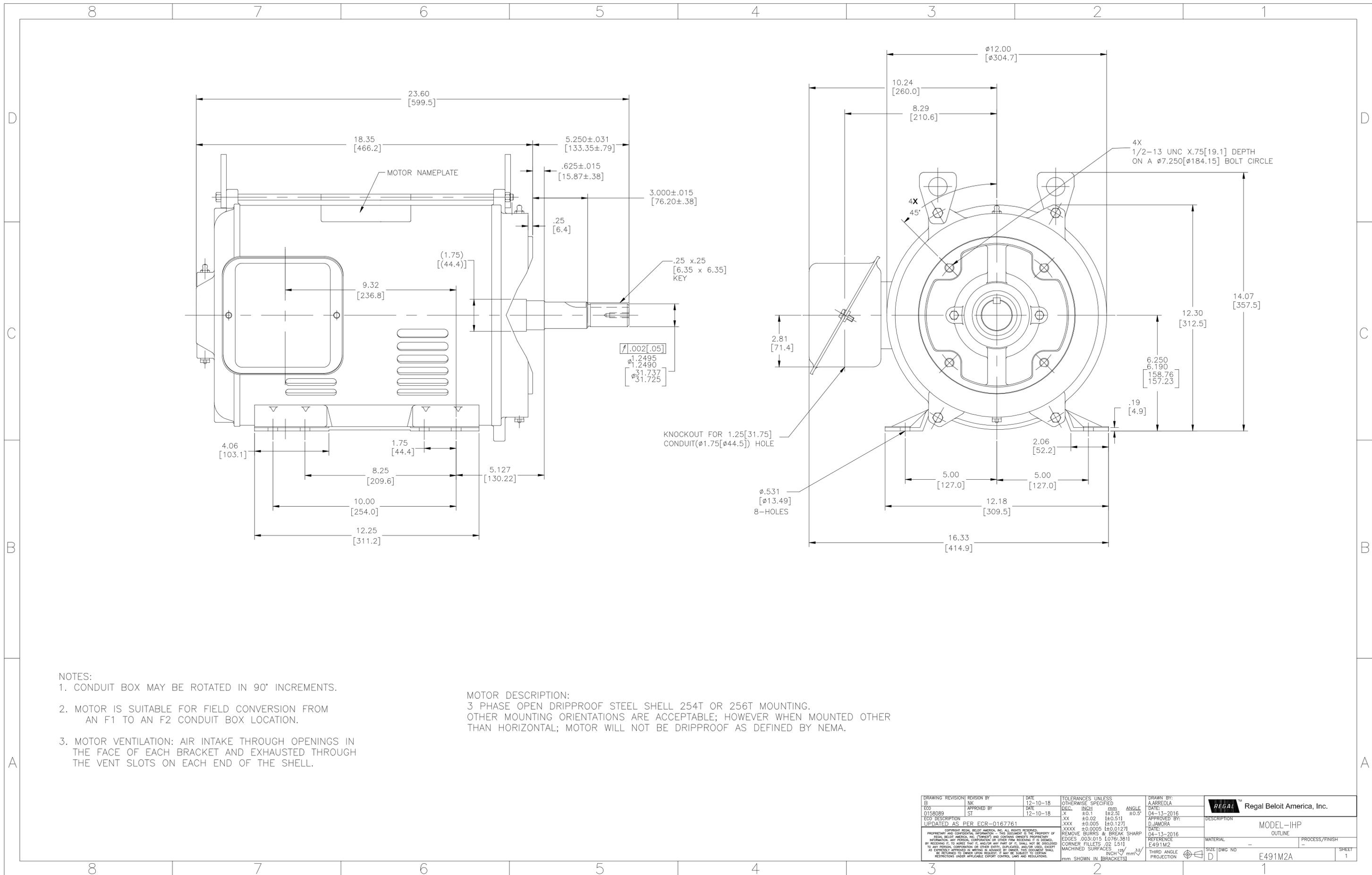
**Nameplate Specifications**

Output HP	<b>25.0 Hp</b>	Output KW	<b>18.7 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>57.0/28.5 A</b>	Speed	<b>3530 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Frame	<b>256JM</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>None</b>	Ambient Temperature	<b>40 °C</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	Number of Speeds	<b>1</b>

**Technical Specifications**

Electrical Type	<b>Three Phase</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid Base</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>Keyed</b>	Overall Length	<b>23.60 in</b>
Frame Length	<b>13.00 in</b>	Shaft Diameter	<b>1.750 in</b>
Shaft Extension	<b>5.25 in</b>		
Connection Drawing	<b>80022802.PCX</b>	Outline Drawing	<b>E491M2A-S01</b>

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NOTES:  
 1. CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS.

2. MOTOR IS SUITABLE FOR FIELD CONVERSION FROM AN F1 TO AN F2 CONDUIT BOX LOCATION.

3. MOTOR VENTILATION: AIR INTAKE THROUGH OPENINGS IN THE FACE OF EACH BRACKET AND EXHAUSTED THROUGH THE VENT SLOTS ON EACH END OF THE SHELL.

MOTOR DESCRIPTION:  
 3 PHASE OPEN DRIPPROOF STEEL SHELL 254T OR 256T MOUNTING.  
 OTHER MOUNTING ORIENTATIONS ARE ACCEPTABLE; HOWEVER WHEN MOUNTED OTHER THAN HORIZONTAL; MOTOR WILL NOT BE DRIPPROOF AS DEFINED BY NEMA.

DRAWING REVISION B	REVISION BY NK	DATE 12-10-18	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH mm ANGLE	DRAWN BY A. ARREOLA	Regal Beloit America, Inc. DESCRIPTION MODEL-IHP OUTLINE
ECO 0158089	APPROVED BY ST	DATE 12-10-18	.XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DATE 04-13-2016	
EOD DESCRIPTION UPDATED AS PER ECR-0167761			REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] CORNER FILLETS .02 [5.1] MACHINED SURFACES .002/.005 [0.051/.127] mm SHOWN IN [BRACKETS]	APPROVED BY D. JAMORA	MATERIAL E491M2
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					SHEET 1