



# Devair Series '123-523' Pump Conversion

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The Series '120' and '220' Pumps are no longer available. In their place, the newer '123-523' Pump is to be installed, this Pump Assembly including the Pump, (1) Air Filter and (1) 12" diameter '1A' Section Flywheel.

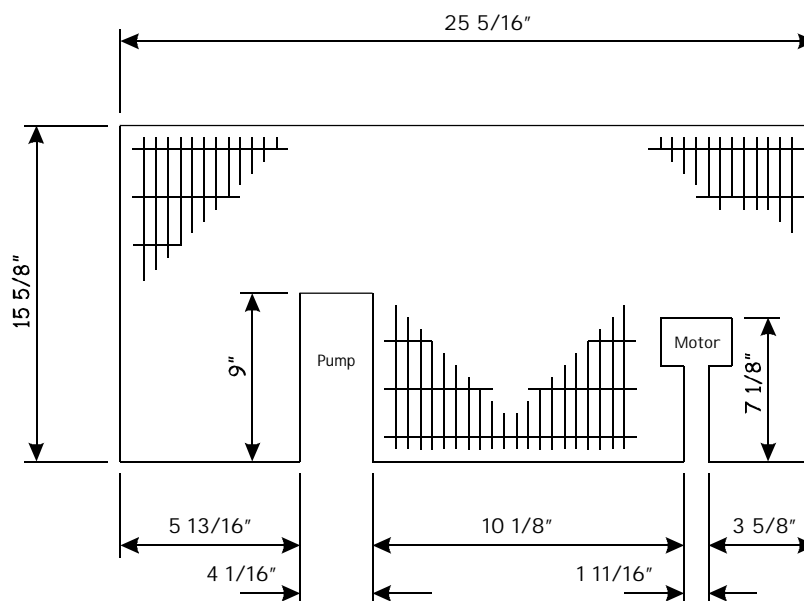
This literature is intended to assist our clients in converting from the older '120' and '220' Pumps to the newer '123-523' Pump.

## Required Information

The following information is required before converting the existing Pump to the '123' series Pump.

1. Existing Pump Model Number. Obtain from the nameplate.
2. Motor Horsepower. Obtain from the Motor nameplate; should range from ¼HP to 1 HP.
3. Maximum working pressure. Obtained from reading the Compressor Unit Gauge as the Unit reaches maximum pressure before shut off.
4. Belt Guard. Since the new '123' Pump has a 12" diameter Flywheel, the existing Belt Guard may need to be modified or changed. A new Belt Guard may be purchased from your Distributor, Devair Model Number 'EG-9489'. Dimensions are as shown.

**'EG-9489'**  
**Belt Guard**  
(shown from front  
of Unit)



## Pump Performance

The following table demonstrates the '123' Pump performance through the various HorsePowers.

Motor HP	Flywheel O.D. (In)	Pressure (psi)	Motor Electrics	Motor RPM	Pump RPM	Pulley Info		Belt Info		
						O.D	Bore	Devair Part No	Length	Devair Part No
0.33	12"	100	1 Phase	1750	350	2.7"	5/8"	Buy Locally	51"	BT-67
			3 Phase	1750	350	3.5"	5/8"			
0.5	12"	100	1 Phase	1750	365	2.5"	5/8"	PU-9220	51"	BT-67
			3 Phase	1750	473	3.25"	5/8"	PU-9222		
0.75	12"	100	1 Phase	1750	547	3.75"	5/8"	PU-9223	54"	BT-9039
			3 Phase	1750	692	4.75"	5/8"	PU-9225		
1.0	12"	100	1 Phase	1750	722	4.95"	5/8"	PU-9227	54"	BT-9039
			3 Phase	1750	911	6.25"	7/8"	PU-9229		

## Notes:

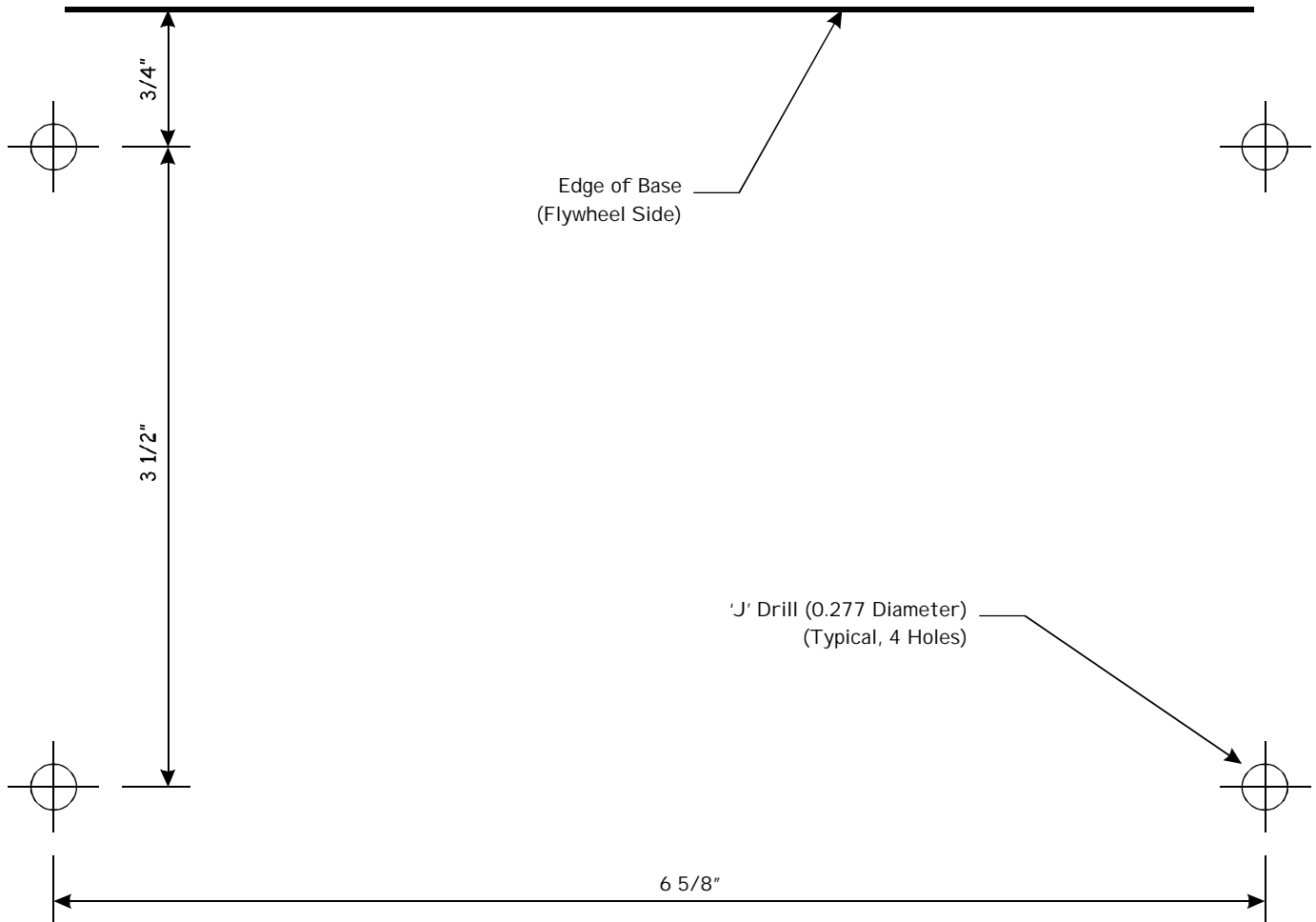
- A) If the existing Unit is equipped with a ¼ HP Motor, it must be replaced with at least a 1/3 HP Motor in order to run the new '123' Pump.
- B) The 'Conversion Kit' consists of the Pump Assembly (c/w Flywheel and Air Filter), (4) Self Tapping Screws, Template, and Installation Instructions.
- C) The Belt length is based on a 13" 'centre to centre' distance in 'A' section. If the distance varies slightly from this, you may be required to adjust the Belt length accordingly.



# Devair Series '123-523' Pump Conversion (Cont'd)

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## Mounting Hole Layout



## Mounting Instructions

1. Remove the existing Pump, Belt Guard, Motor Pulley, and Belt.
2. Place this template on the Base of the Unit, line up the dark line indicated as 'Edge of Base' with the edge of the Unit Base, and tape down.
3. Centre-punch the four holes as indicated, the drill through using a 'J' drill (0.277 Diameter).
4. Place the Pump on the Base, paying close attention to which side the Flywheel is to be located. Using the 5/16" Self Tapping Screws provided, fasten the Pump down.
5. For the correct Motor Pulley size, please refer to Page 1.
6. For the Aftercooler Tube, use 1/2" diameter copper tubing approximately 20" in length. Cut and form to fit. Please note that the Pump is supplied with a 1/2" Compression Fitting on the Head.
7. For the correct Belt Selection, please refer to Page 1.
8. Should a complete Belt Guard be required, please order 'EG-9489' from your Devair Distributor. Before ordering, please ensure that the new Belt Guard is suitable for your particular application by measuring your Unit against the Belt Guard dimensions as indicated on Page 1.