

www.airblowerservices.com

1.630.372.9222

**ALL STAR™**

Regenerative Blowers  
Vacuum Pumps

	Size	Age	Hz	HP	kW	SCFM	Pressure		Vacuum		Net Weight		
							mbar	"H2O	mbar	"H2O	Noise Level	kg	lbs
RB23-101-1	1	1	60	1.1	.85	67	250	100	245	98	66 db(A)	23	51
RB23-101-3	3	3	50		.75	55	240	96	205	82	60 db(A)	23	51

\*Refer to curves below for detailed performance data. Data subject to change without notice. Actual performance may vary by ±10%.

### STANDARD FEATURES

- Housing - Aluminum
- Impeller - Aluminum, dynamically balanced
- Direct drive impeller
- Shock absorbing mounting base
- Quiet operation - below OSHA limits
- Inlet & outlet silencers included
- Motor shaft seal standard
- IP 54 TEFC 2 pole squirrel cage ac motor
- 40 Deg C ambient
- Class H insulation 1.15 service factor
- Performance tested ANSI/AMCA210-85
- Voltage
  - 1 = 1/60/50/115/230
  - 2 = 1/60/50/230
  - 3 = 3/60/208-230/460 3/50/220/380

**3/60/208-230/460 & 3/50/220/380**  
RB23-101-3 replaces HB-2308

**1/60/115/230 & 1/50/220**  
RB23-101-1 repaces HB-2308-1

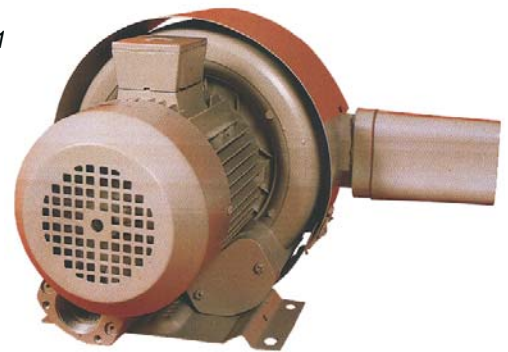
### ACCESSORIES

Note: To obtain warranty coverage on the blower a relief valve and filter are required.

Pressure Relief Valve RV-01  
Pressure Relief Valve RVA-01

Vacuum Relief Valve RV-01  
Vacuum Relief Valve RVA-01

Pressure Intake Air Filter F19P-125  
Vacuum Air Filter CSL-849-125HC



### TECHNICAL DATA

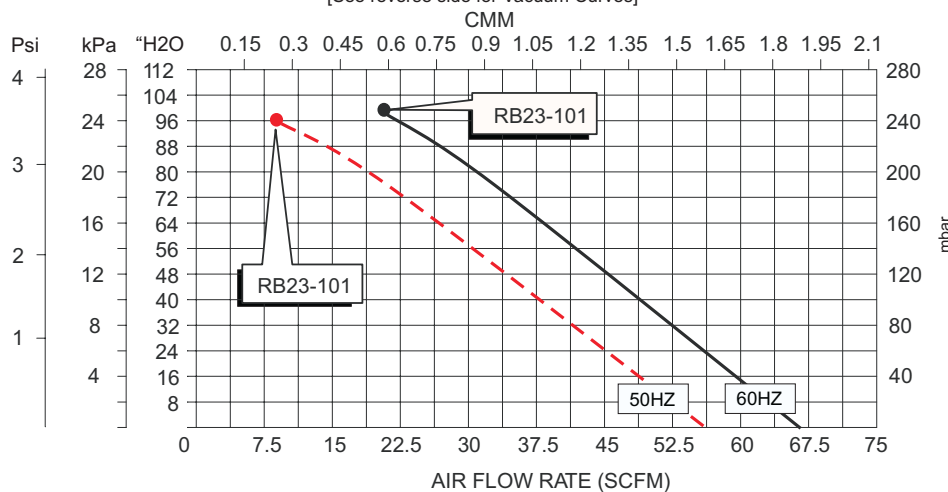
- [Available online www.all-star-usa.com]
- Performance Temperature Rise Curves
- AutoCad files
- Parts List
- Full load amperage



RoHS  
Compliant

### PRESSURE DATA CURVES ±10%

[See reverse side for Vacuum Curves]

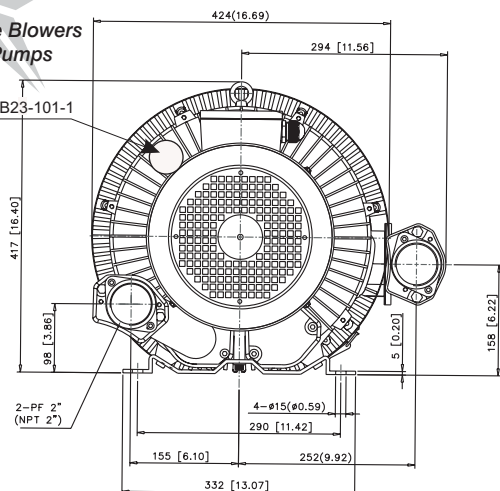


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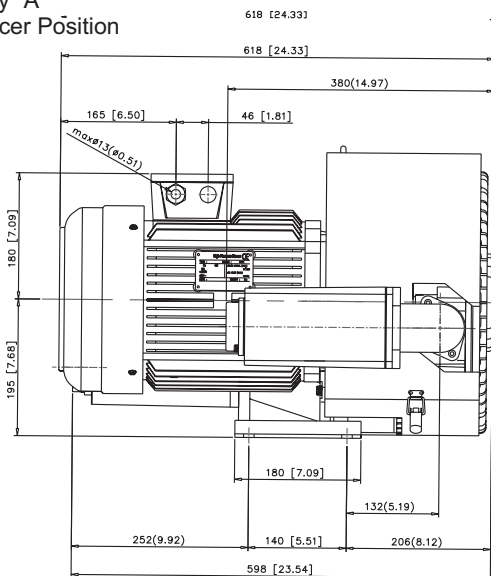
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Vacuum Pumps

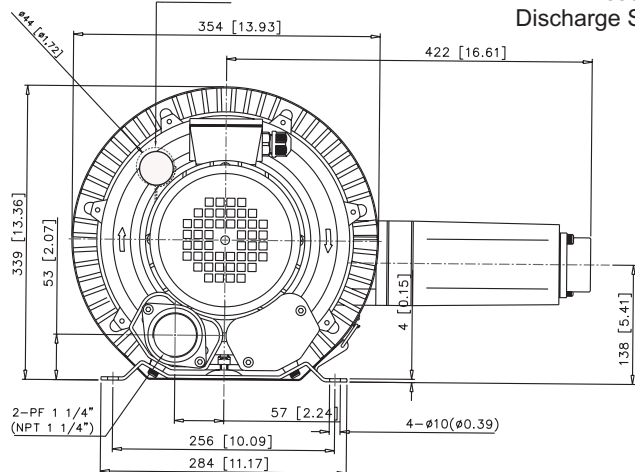
Capacitor for RB23-101-1



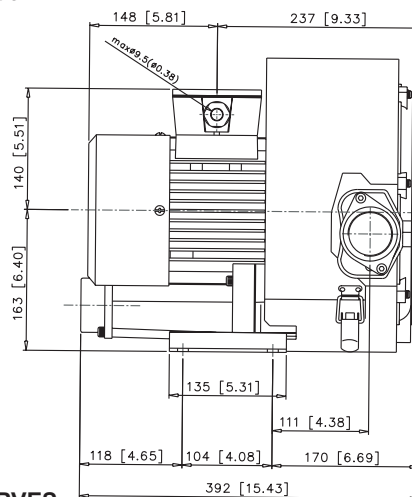
Assembly "A"  
Discharge Silencer Position



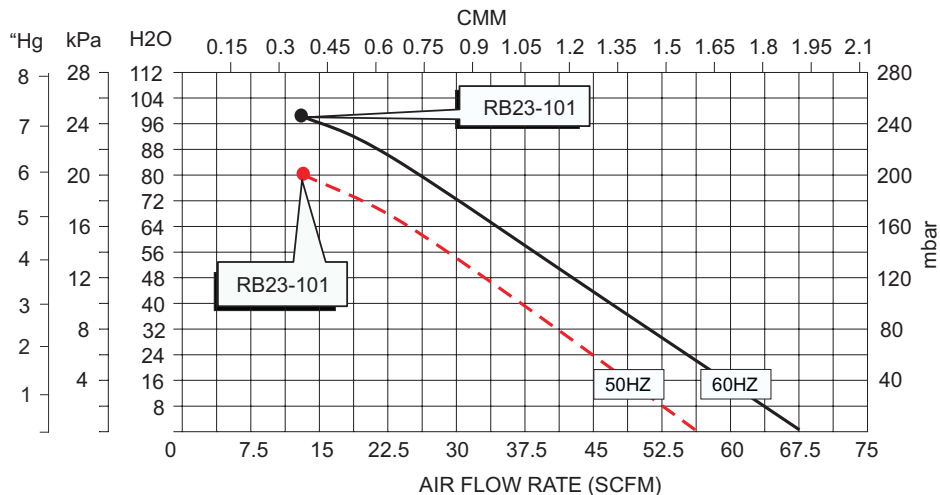
Capacitor for RB23-101-1



Assembly "B"  
Discharge Silencer Position



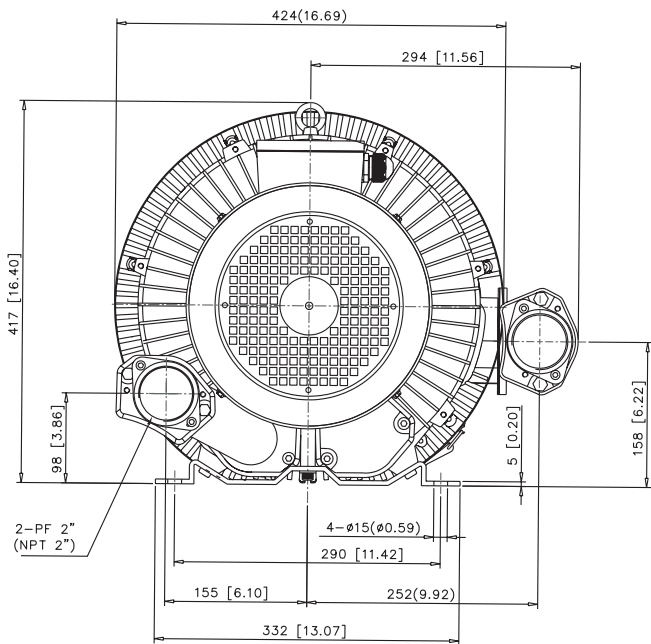
**VACUUM DATA CURVES**



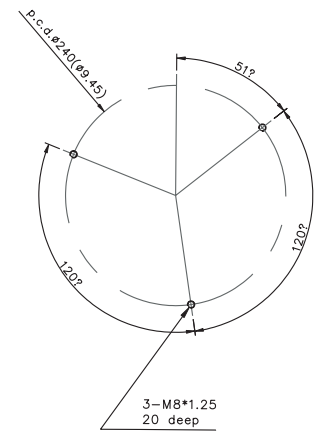
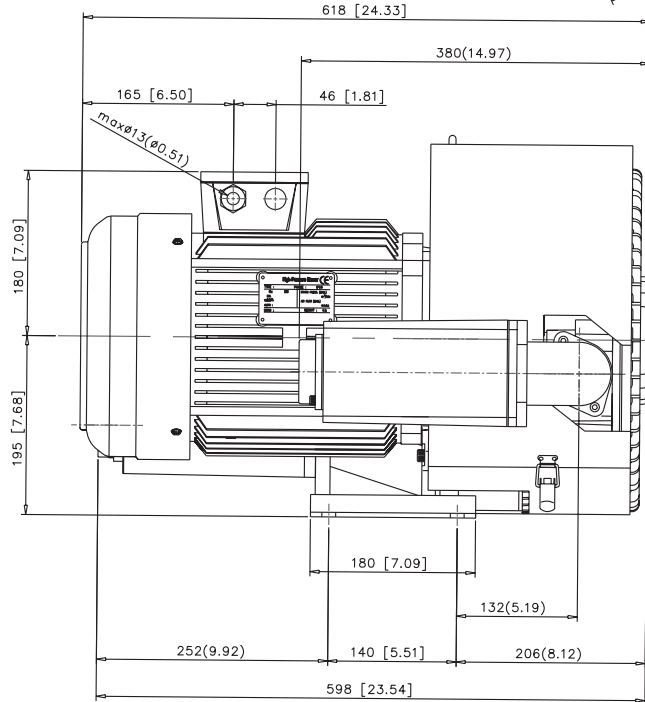
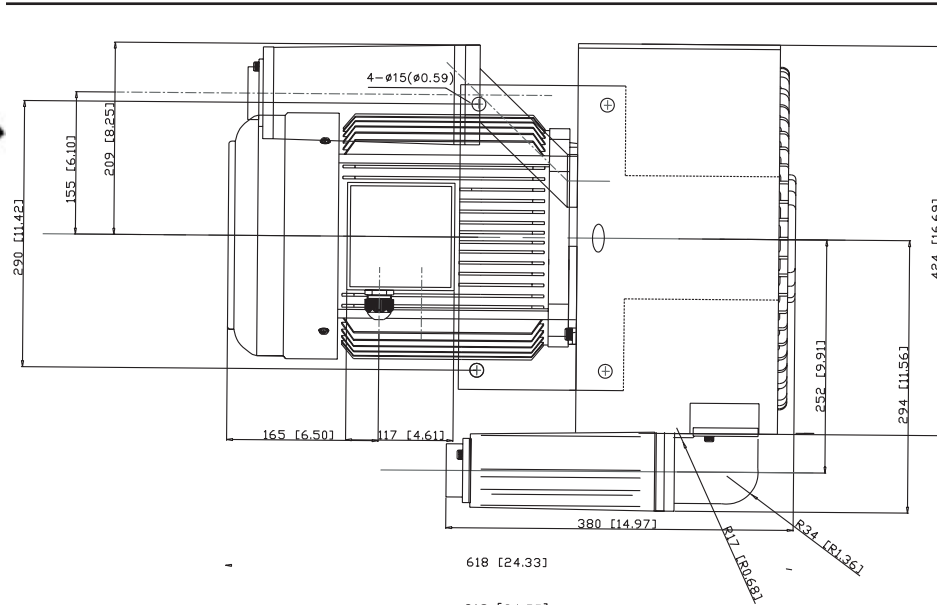
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Note:  
mm/inches  
Subject to change without notice.



ALL-STAR PRODUCTS INC  
Cleveland Ohio Memphis Tennessee

Model RB23 Series, Assembly A  
Regenerative Blower/Vacuum Pump

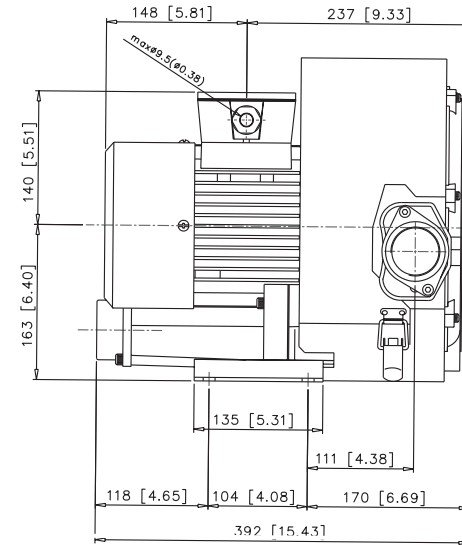
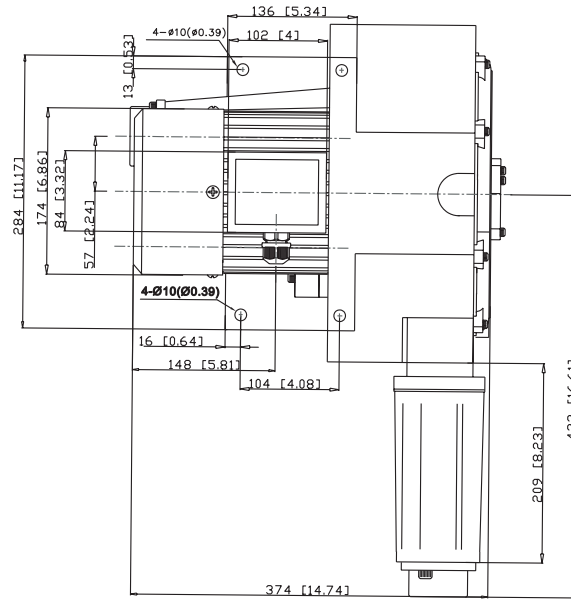
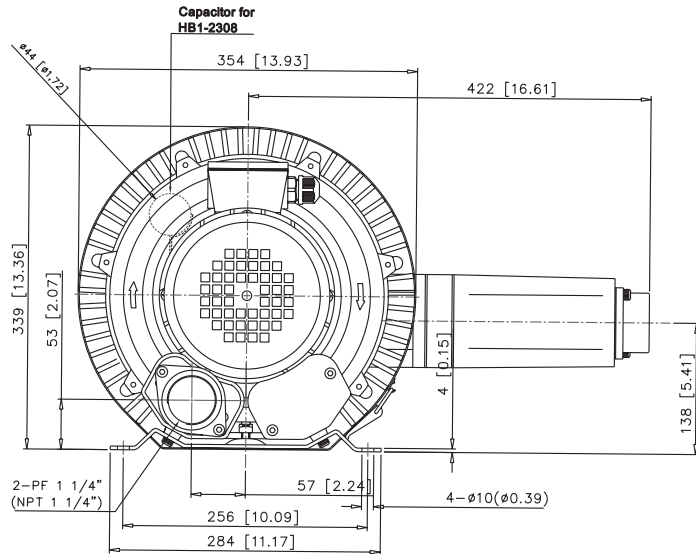
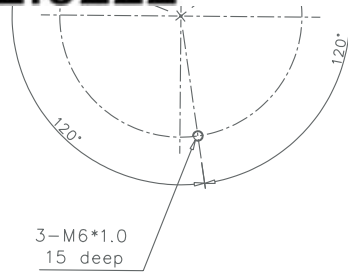
December 30, 2006

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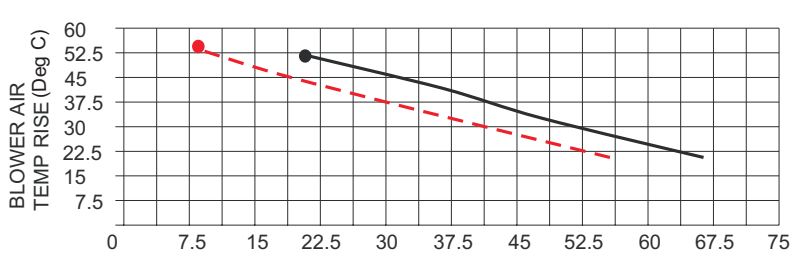
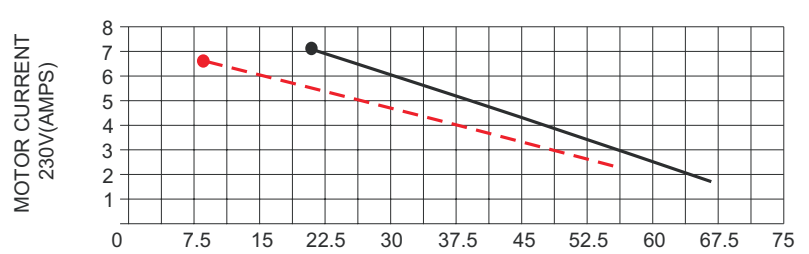
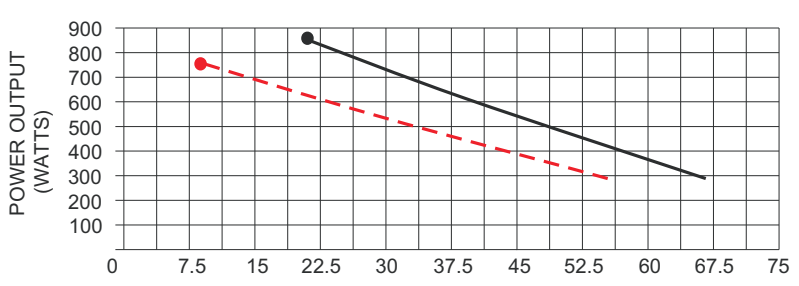
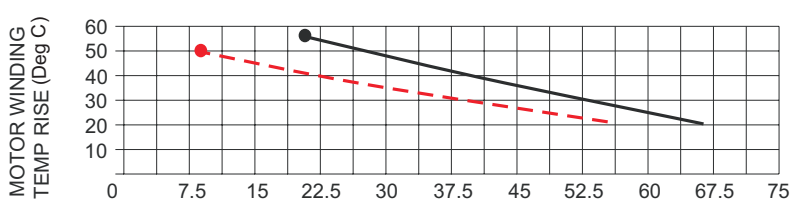
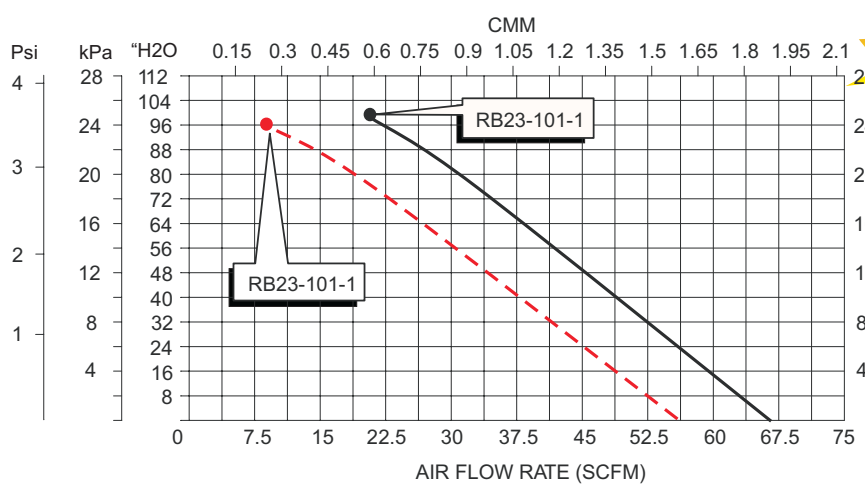
ALL-STAR PRODUCTS INC  
Cleveland Ohio Memphis Tennessee

Model RB23 Series, Assembly B  
Regenerative Blower/Vacuum Pump

December 30, 2006

The technical data is based on 1 bar ( abs. ) free atmosphere and 20°C with Inlet air density 1.2kg/m<sup>3</sup>, ±10 %variance.

November 2006

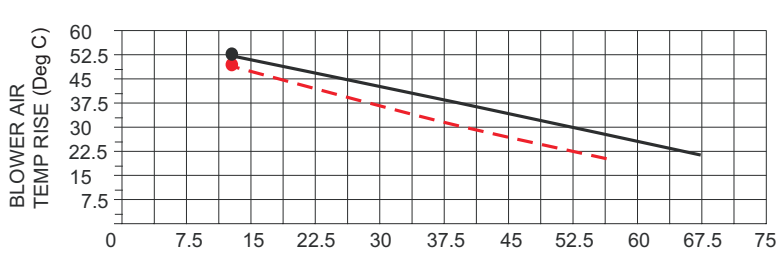
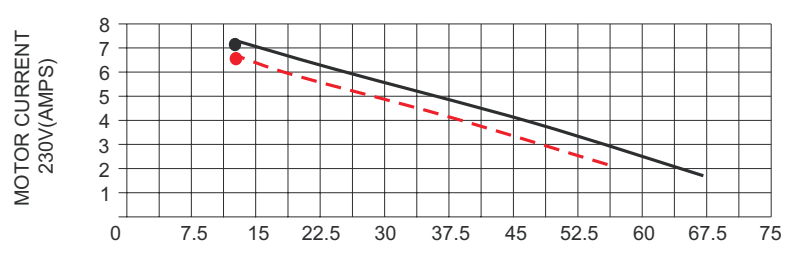
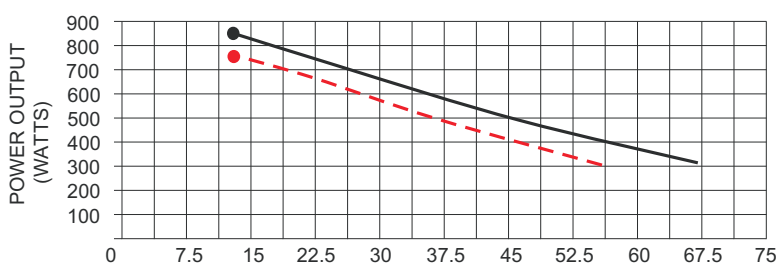
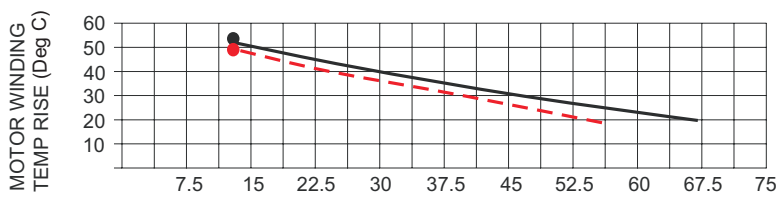
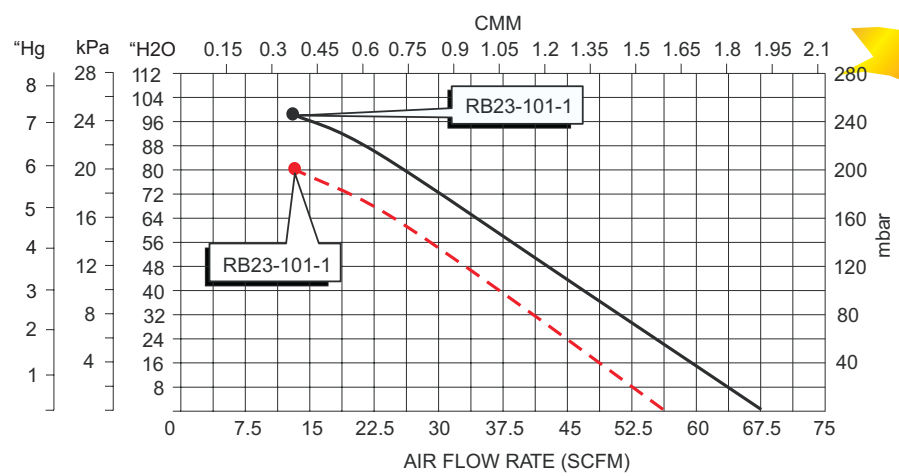


**B23 Series - Vacuum - Single Phase**

60Hz

The technical data is based on 1 bar ( abs. ) free atmosphere and 20°C with Inlet air density 1.2kg/m<sup>3</sup>, ±10 %variance.

November 2006

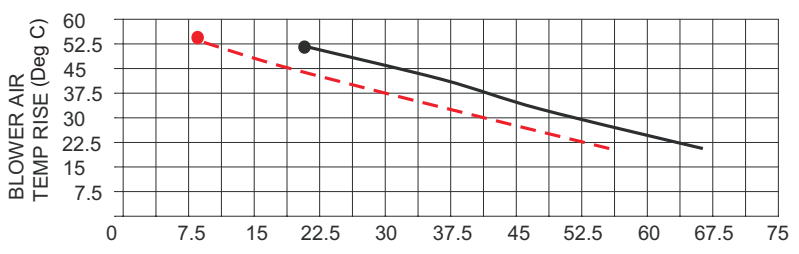
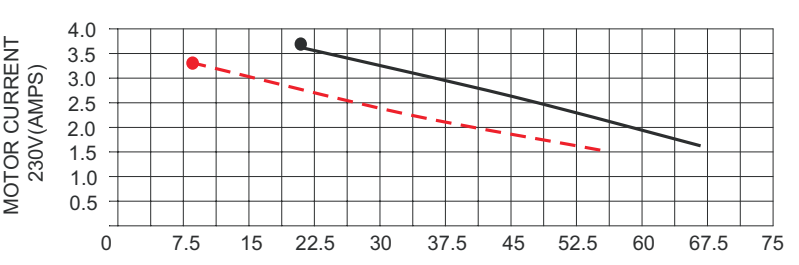
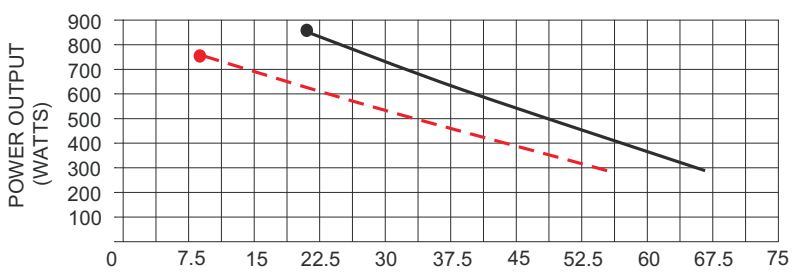
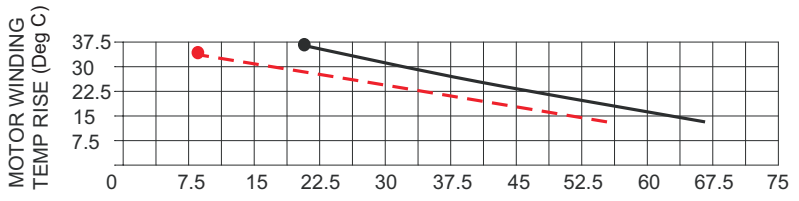
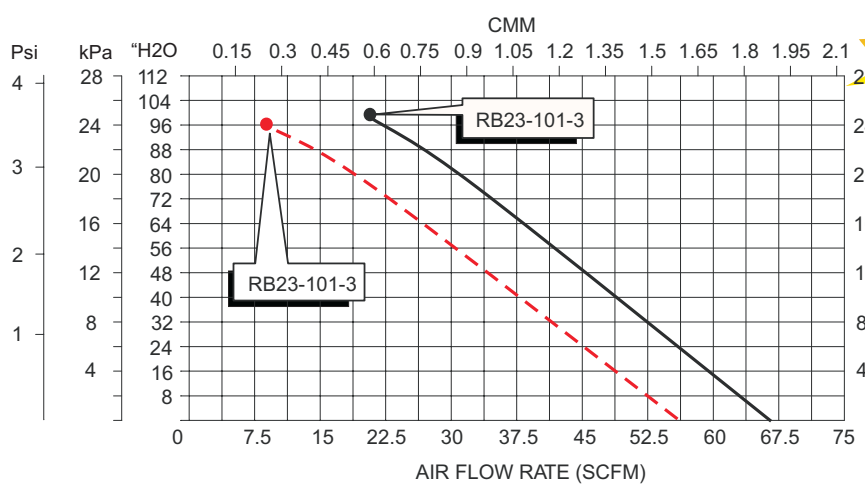


## B23 Series - Pressure - Three Phase

60Hz

The technical data is based on 1 bar ( abs. ) free atmosphere and 20°C with Inlet air density 1.2kg/m<sup>3</sup>, ±10 %variance.

November 2006



**B23 Series - Vacuum - Three Phase**  
 60Hz

The technical data is based on 1 bar ( abs. ) free atmosphere and 20°C with Inlet air density 1.2kg/m<sup>3</sup>, ±10 %variance.

November 2006

