



ALL-STAR[®] PRODUCTS

Standard Blowers

eCATALOG

This new edition of the All-Star eCatalog introduces several new features to aid in your effort to locate the product that best meets your application requirements. Additionally, the selection procedure has been streamlined to simplify your search.

For example, all of the model numbers in the Index and in the Composite curve are "hot linked" to the model number page. This eliminates your having to scroll through dozen of pages to get to the page you need.

Secondly, complete engineering information is provided, so you can evaluate your product selection more carefully. This new information includes temperature rise within the blower and also motor temperature rise. Output kW is included to help in determining the efficiency of your selection.

You will also notice our **Guaranteed Performance** Symbol. This means you can rely upon the published performance data curves since the blowers were tested in accordance to ANSI/AMCA 210-85 Laboratory Standard. This is important since other regenerative blower manufacturer's performance is not based on a recognized test standard but rather on their own test methods.



Another important change has been made with this eCatalog. The blower models have a new numbering convention. The reason for this change is not to confuse everyone but is in response to a competitor introducing a competitive blower using our model number convention. This has caused confusion among our customers since this competitor has indicated their product is the same as the All-Star blower. This is incorrect!

We regret having to make this change but we found it necessary in order to eliminate any confusion between All-Star and the competitors' claims. Once you become familiar with these new model numbers, you will find them to be easier to understand.

ENGINEERED BLOWER eCATALOG

A new eCatalog for engineered blowers is also available and includes more detailed engineering information.

WEBSITE CONTENT

The All-Star website will be updated shortly with the information contained in the Standard and the Engineered blower eCatalog. In addition, the website will provide AutoCad drawings for the full line of blowers.

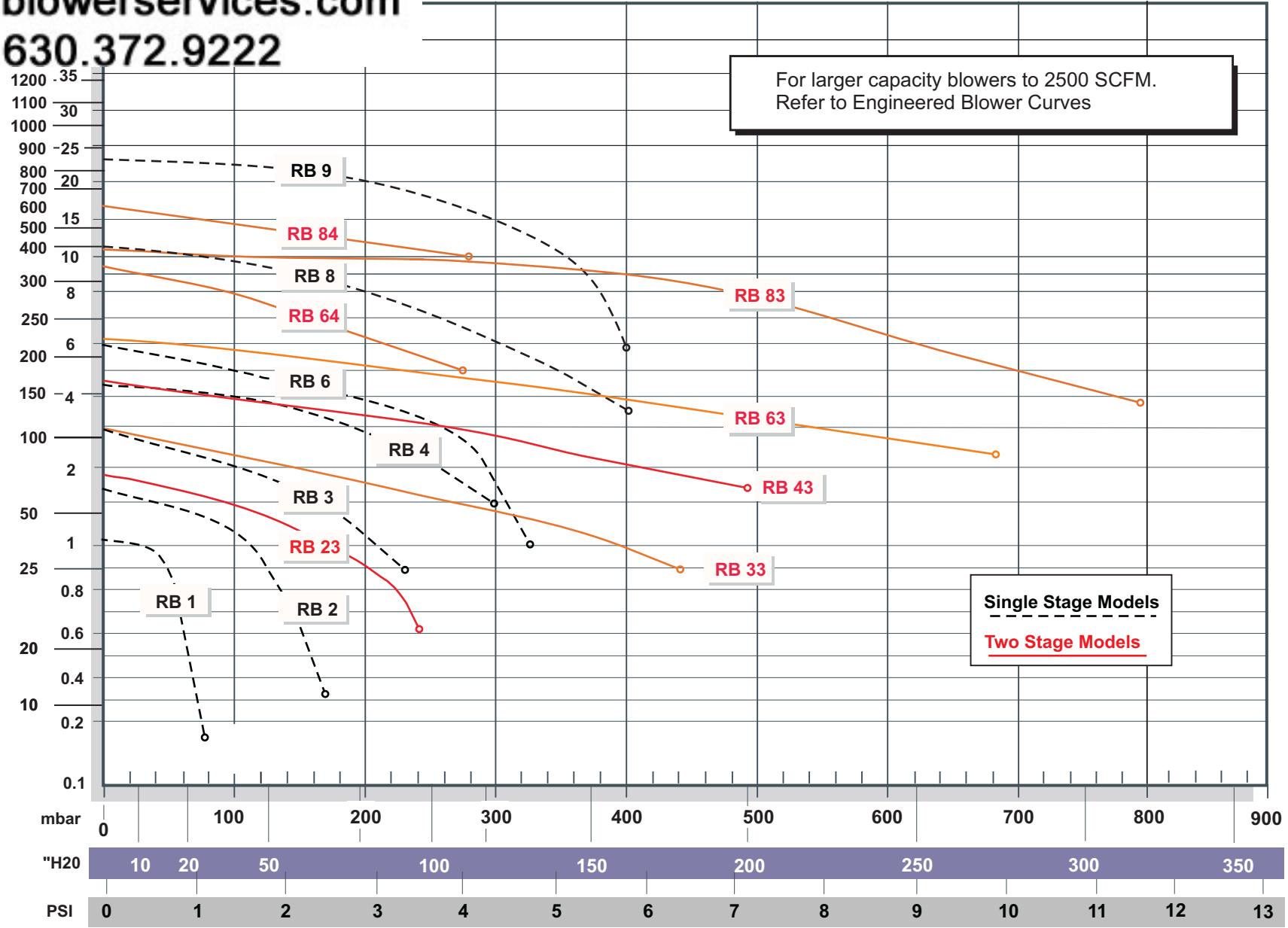
Dimension Page				
1 Phase Pressure Curve	1 Phase Vacuum Curve	3 Phase Pressure Curve	3 Phase Vacuum Curve	
RB2 Series				
Product Data Page				
Dimension Page				
1 Phase Pressure Curve	1 Phase Vacuum Curve	3 Phase Pressure Curve	3 Phase Vacuum Curve	
RB3 Series				
Product Data Page				
Dimension Page				
1 Phase Pressure Curve	1 Phase Vacuum Curve	3 Phase Pressure Curve	3 Phase Vacuum Curve	
RB4 Series				
Product Data Page				
Dimension Page				
1 Phase Pressure Curve	1 Phase Vacuum Curve	3 Phase Pressure Curve	3 Phase Vacuum Curve	
RB6 Series				
Product Data Page				
Dimension Page				
1 Phase Pressure Curve	1 Phase Vacuum Curve	3 Phase Pressure Curve	3 Phase Vacuum Curve	
RB8 Series				
Product Data Page				
Dimension Page				
3 Phase Pressure Curve	3 Phase Vacuum Curve			
RB9 Series				
Product Data Page				
Dimension Page				
3 Phase Pressure Curve	3 Phase Vacuum Curve			
RB23 Series				
Product Data Page				
Dimension Page				
1 Phase Pressure Curve	1 Phase Vacuum Curve	3 Phase Pressure Curve	3 Phase Vacuum Curve	
RB33 Series				
Product Data Page				
Dimension Page				
1 Phase Pressure Curve	1 Phase Vacuum Curve	3 Phase Pressure Curve	3 Phase Vacuum Curve	
RB43 Series				
Product Data Page				
Dimension Page				
1 Phase Pressure Curve	1 Phase Vacuum Curve	3 Phase Pressure Curve	3 Phase Vacuum Curve	
RB63 Series				
Product Data Page				
Dimension Page				
3 Phase Pressure Curve	3 Phase Vacuum Curve			
RB64 Series				
Product Data Page				
Dimension Page				
3 Phase Pressure Curve	3 Phase Vacuum Curve			
RB83 Series				
Product Data Page				
Dimension Page				
3 Phase Pressure Curve	3 Phase Vacuum Curve			
RB84 Series				
Product Data Page				
Dimension Page				
3 Phase Pressure Curve	3 Phase Vacuum Curve			



STANDARD BLOWERS
60 Hz Pressure Curves

January 24, 2007

www.airblowerservices.com
1.630.372.9222



Air

Blower

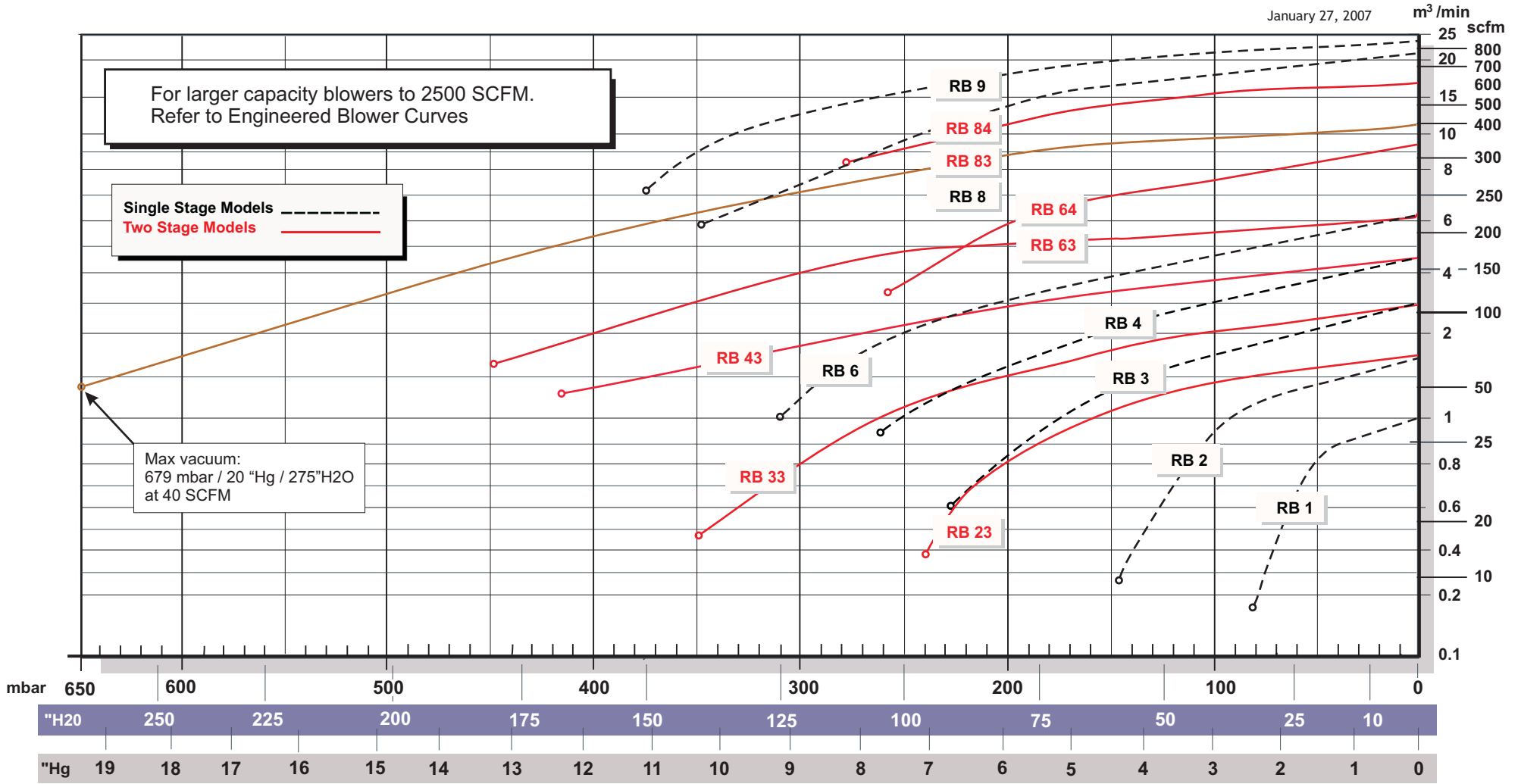
Services Inc.

STANDARD (Integral) BLOWERS

www.airblowerservices.com 60 Hz Vacuum Curves

1.630.372.9222

January 27, 2007



www.airblowerservices.com

1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps

	je	Hz	HP	kW	SCFM	Pressure mbar	"H2O	Vacuum mbar	"H2O	Noise Level	Net Weight kg	lbs
RB1-025-1	1	60	.25	.2	38	70	28	70	28	55 dbA	6.5	15
RB1-025-3	3	50	.18	.20	30	60	24	50	20	53 dbA	6.5	15
RB1-033-1	1	60	.33	.25	38	80	32	75	30	55 dbA	6.5	15
RB1-033-3	3	50	.20	.20	30	70	28	70	28	53 dbA	6.5	15

*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 = 1/60/115/230 & 1/50/220
 - 2 = 1/60/50/230
 - 3 = 3/60/208-230/460 3/50/220/380

3/60/208-230/460 & 3/50/220/380

RB1-025-3 replaces HB-129
RB1-033-3 replaces HB-139 & HB-129A

1/60/115/230 & 1/50/220

RB1-025-1 replaces HB-129-1
RB1-033-1 replaces
HB-139-1 & HB-129-12

REQUIRED ACCESSORIES

NOTE: To obtain warranty coverage on the blower, a pressure 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-843-125HC



TECHNICAL DATA

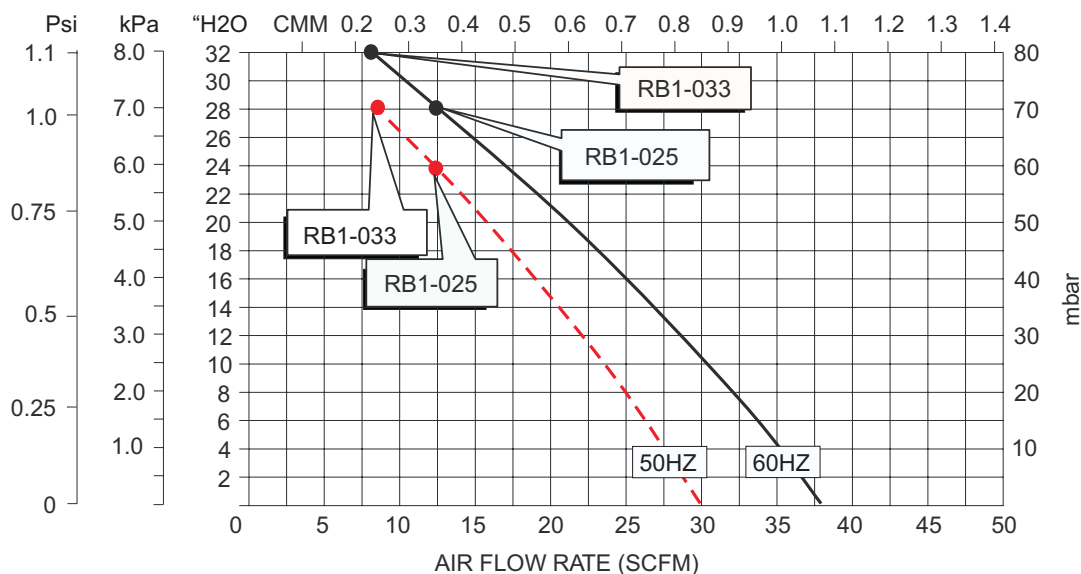
[Available online www.all-star-usa.com]

- Performance Temperature Rise Curves
- AutoCad files
- Parts List
- Full Load amperage

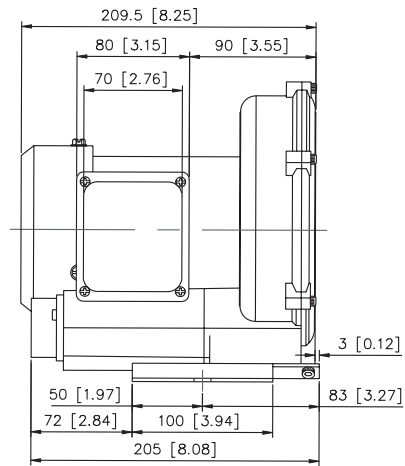
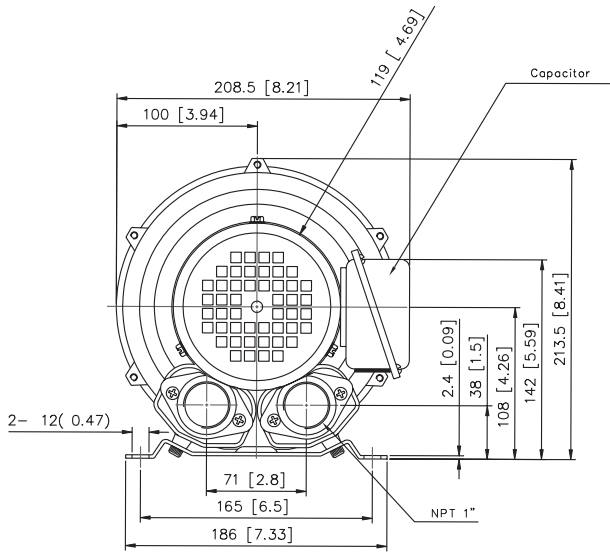
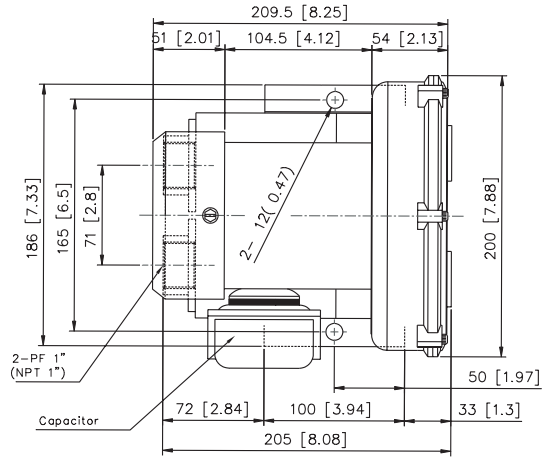
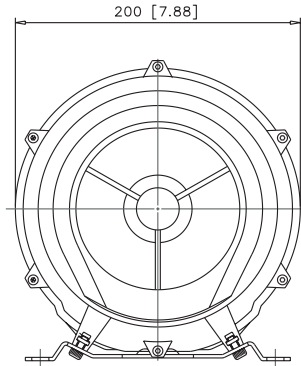


RoHS
Compliant

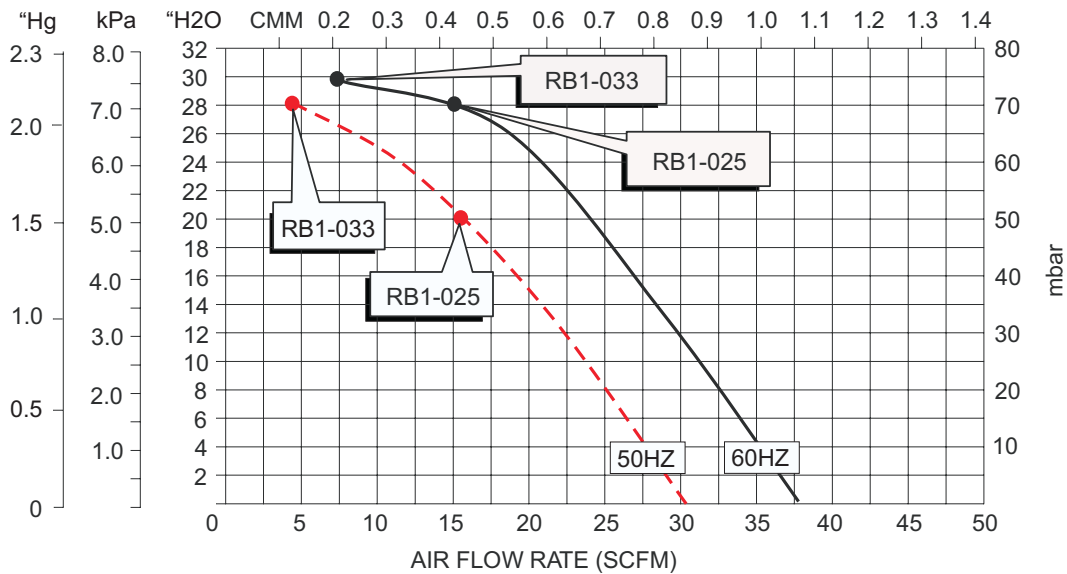
PRESSURE DATA CURVES ±10%
[See reverse side for Vacuum Curves]



1.630.372.9222



VACUUM DATA CURVES ± 10%

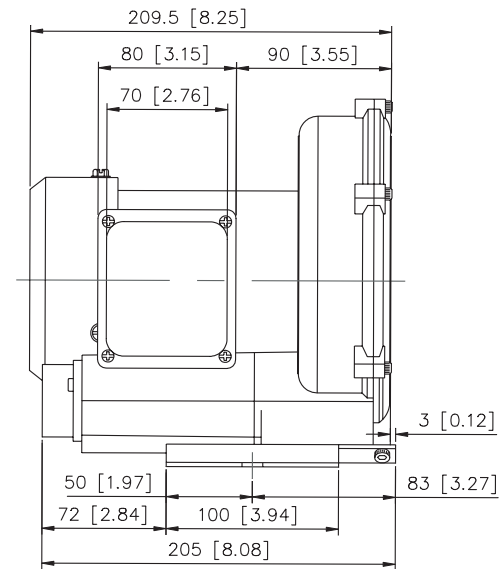
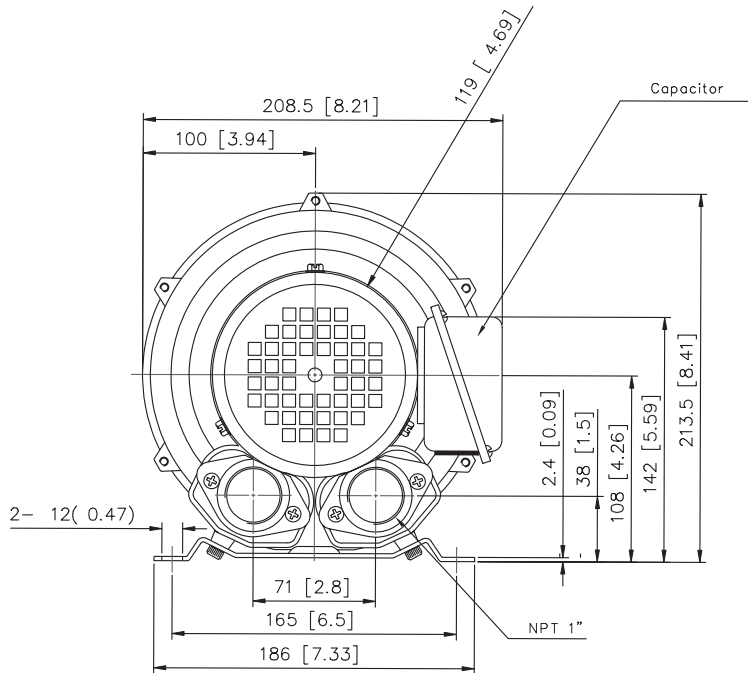
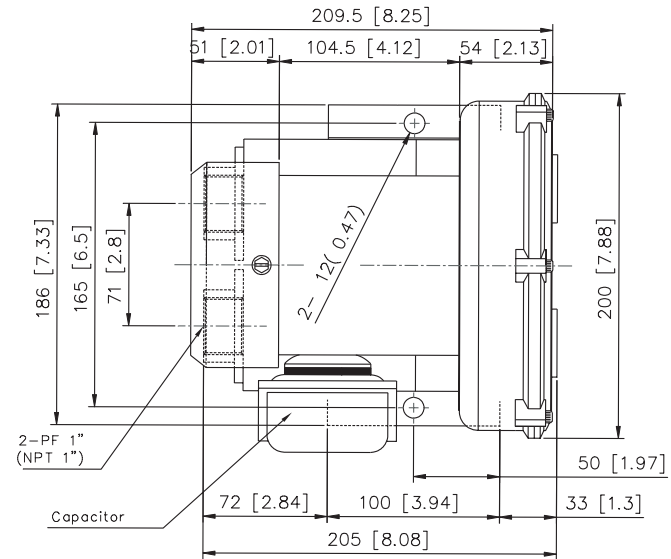


Air

Blower Services Inc.

www.airblowerservices.com

1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

REGENERATIVE BLOWER
Model RB1 Series

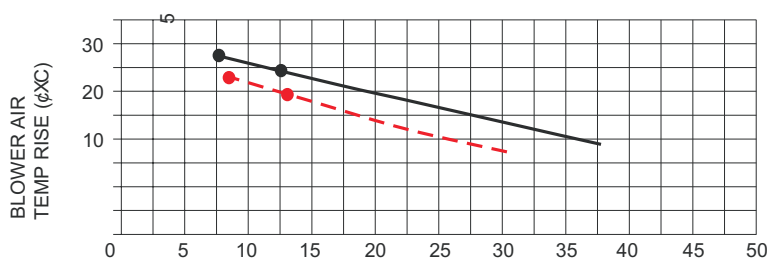
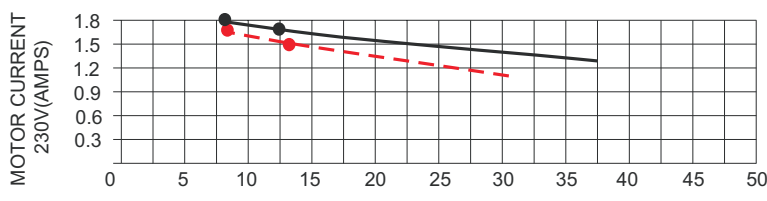
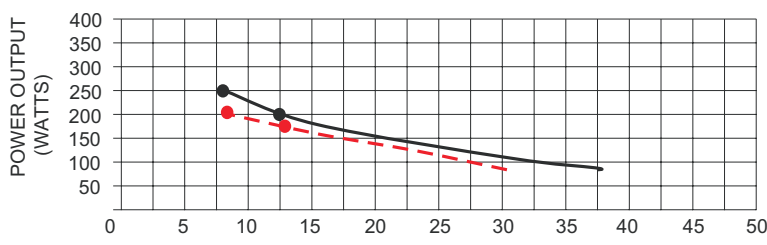
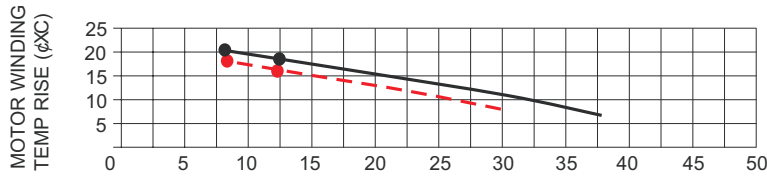
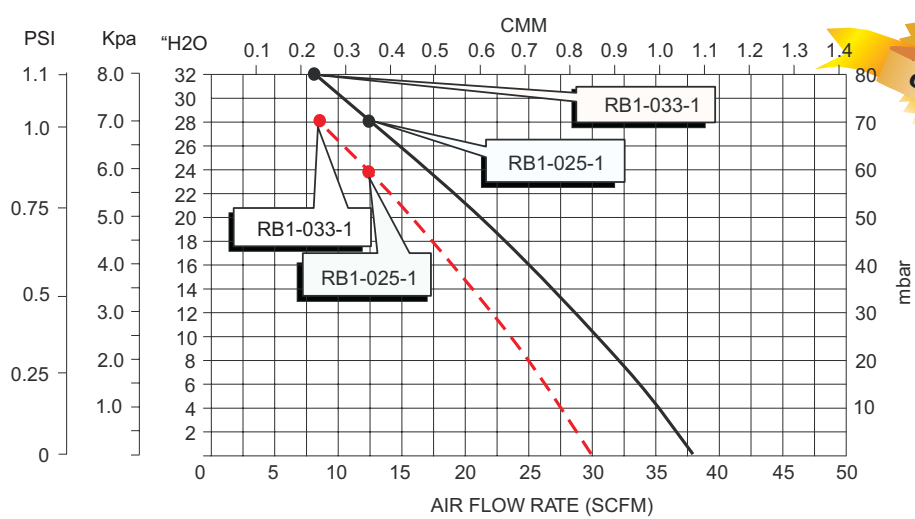
December 30, 2006

B1 Series - Pressure - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

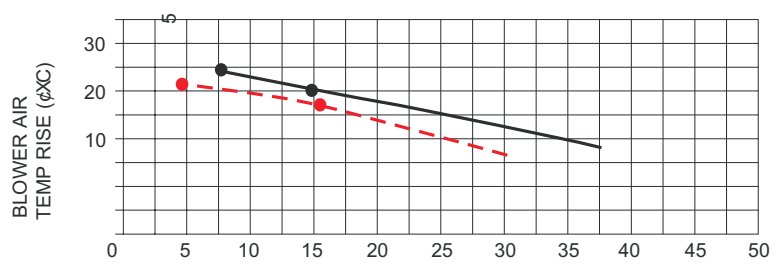
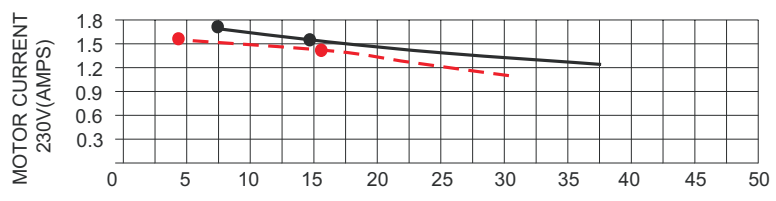
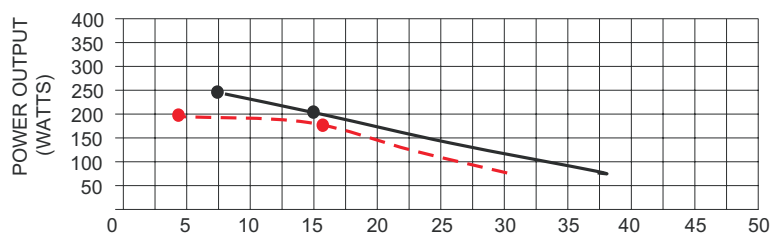
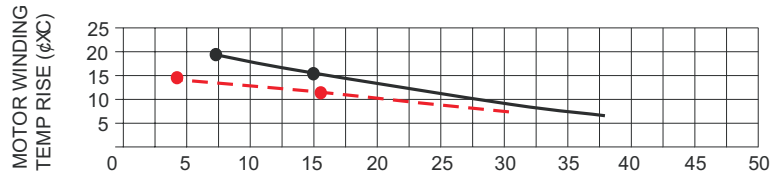
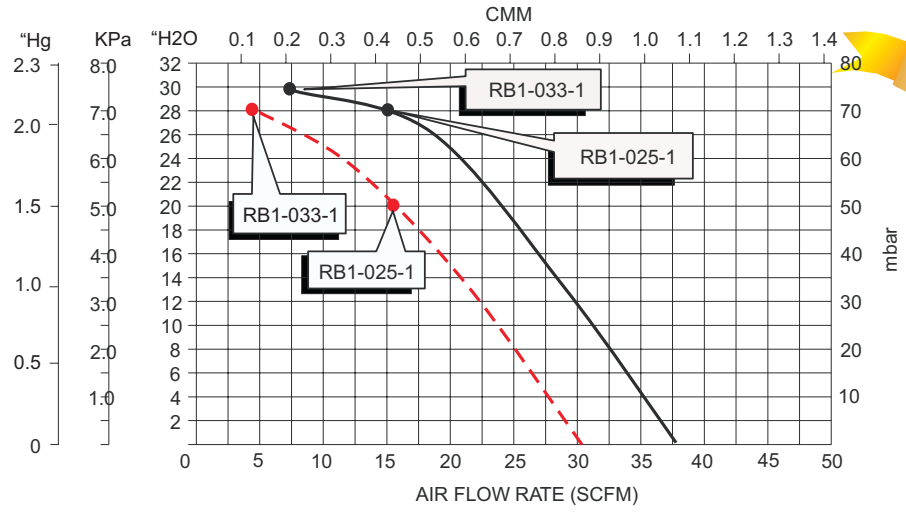


RB1 Series Vacuum Curve Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, includes ±10% variance.

November 2006

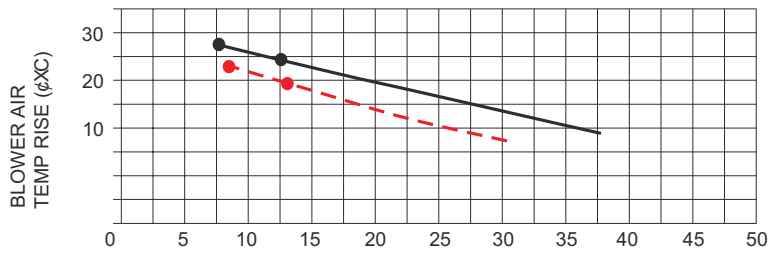
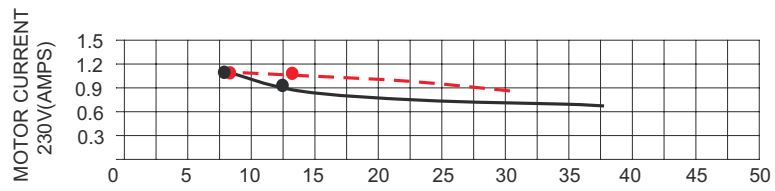
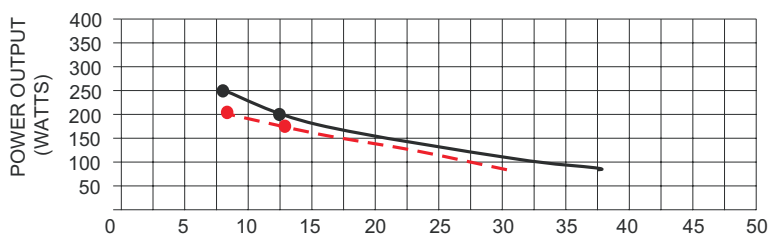
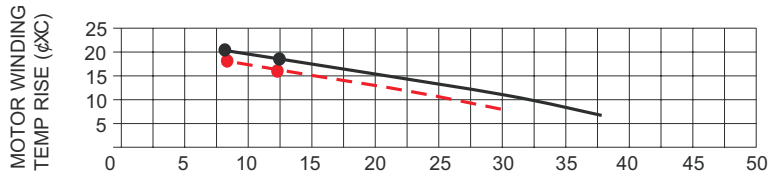
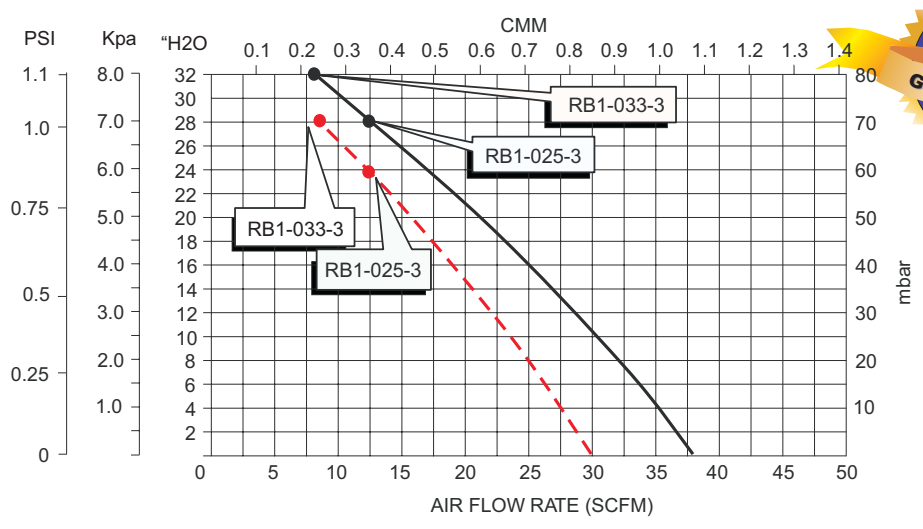


B1 Series - Pressure - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

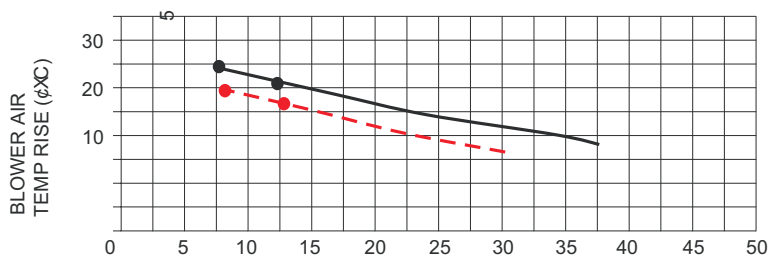
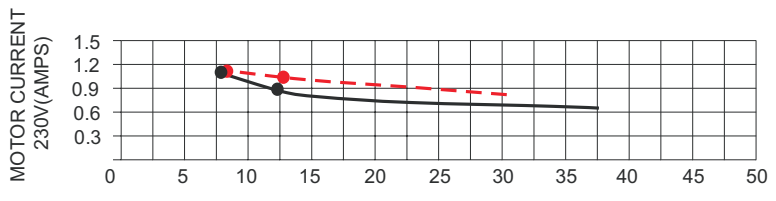
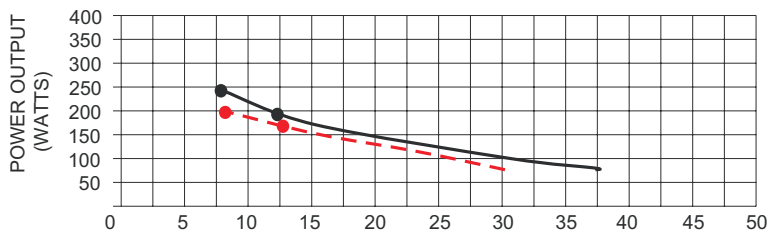
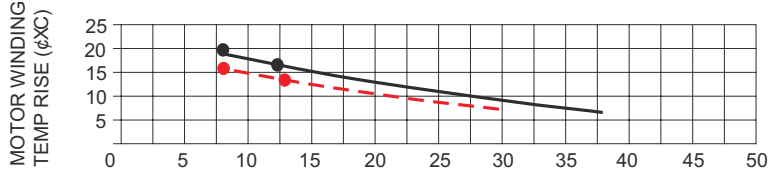
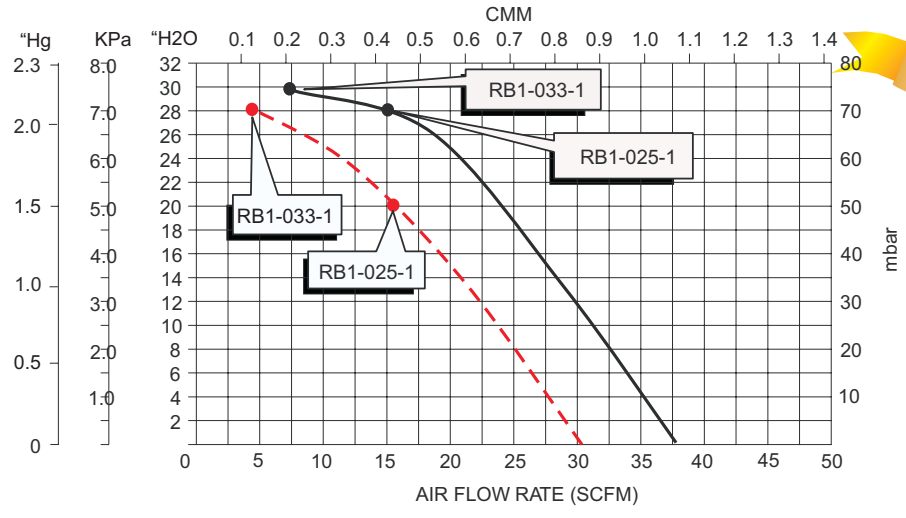


Series - Vacuum Curve - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, includes ±10% variance.

November 2006



www.airblowerservices.com

1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps

	Speed	Hz	HP	kW	SCFM	Pressure mbar	"H2O	Vacuum mbar	"H2O	Noise Level	Net Weight	
RB2-067-1	1	60	.67	.5	63	167	67	144	58	61 dbA	12	27
RB2-067-3	3	50	.4	.5	51	135	54	110	44	58 dbA	12	27

*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

RB2-067-3 replaces HB-229

1/60/50/115/230

RB2-067-1 replaces HB-229-1

REQUIRED 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]

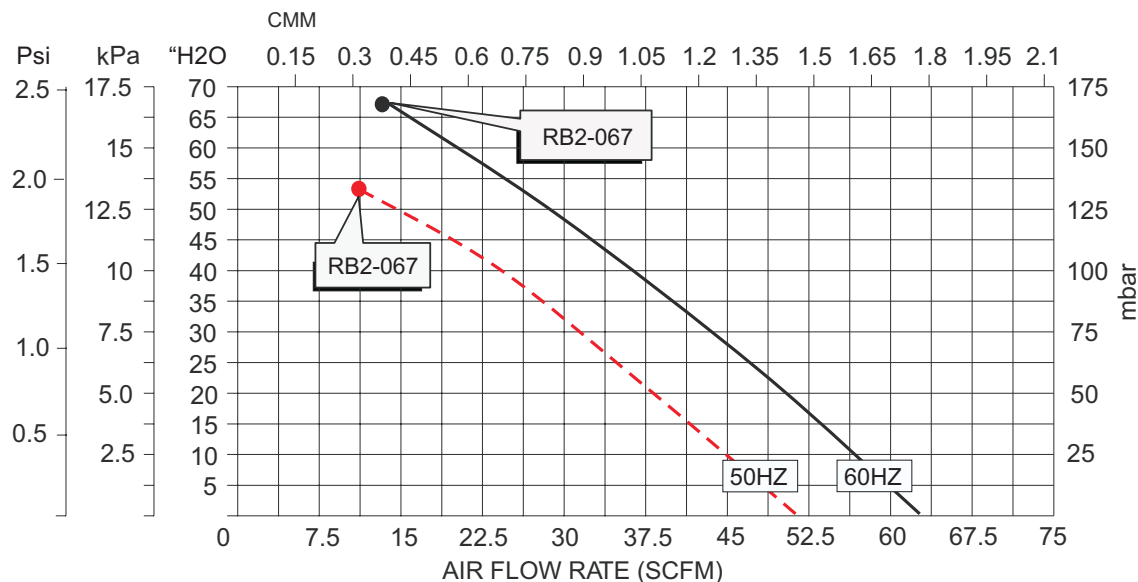
- Performance Temperature Rise Curves
- AutoCad files
- Parts List
- Full amperage



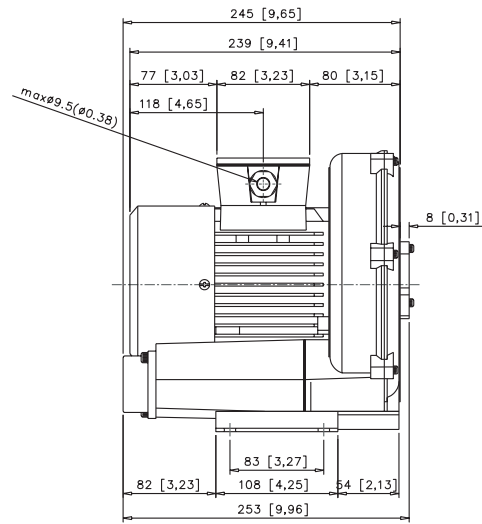
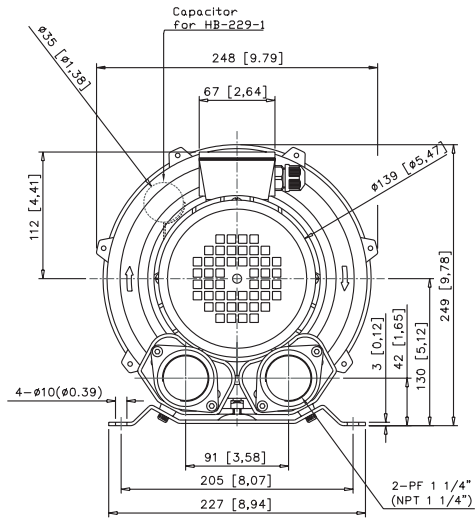
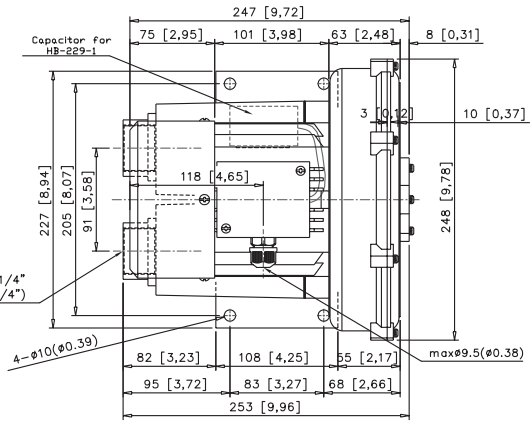
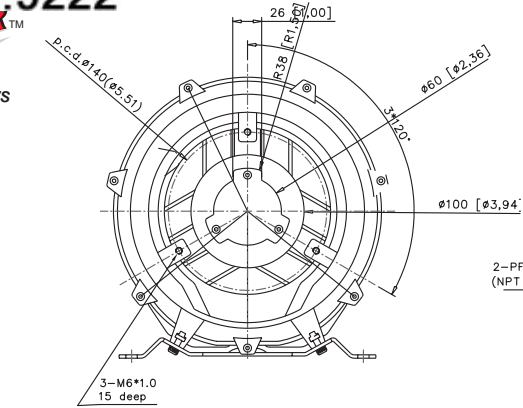
RoHS
Compliant

PRESSURE DATA CURVES ±10%

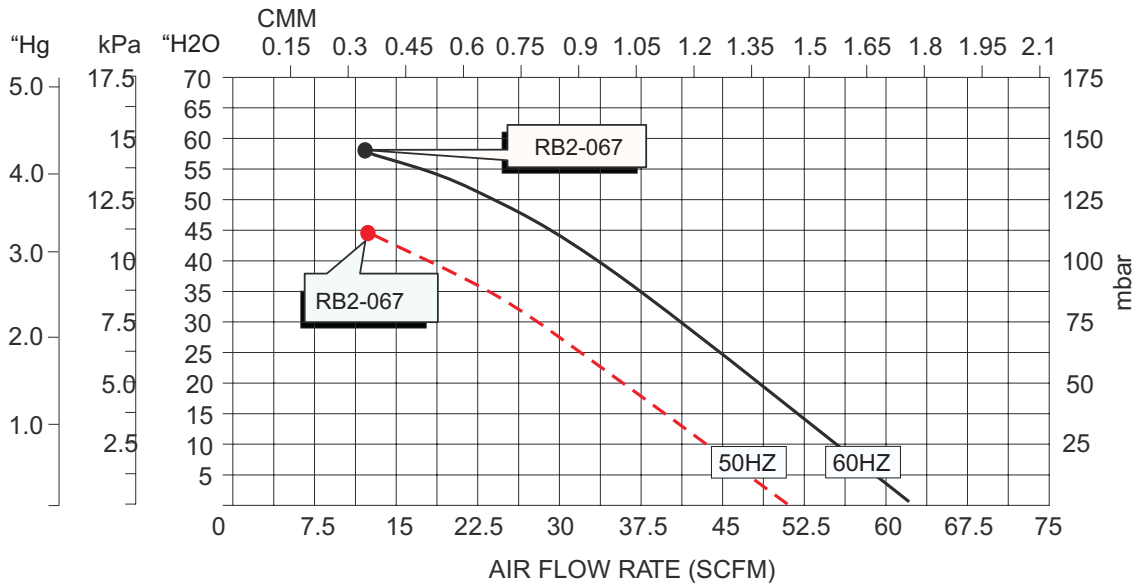
[See reverse side for Vacuum Curves]



1.630.372.9222



VACUUM DATA CURVES ±10%

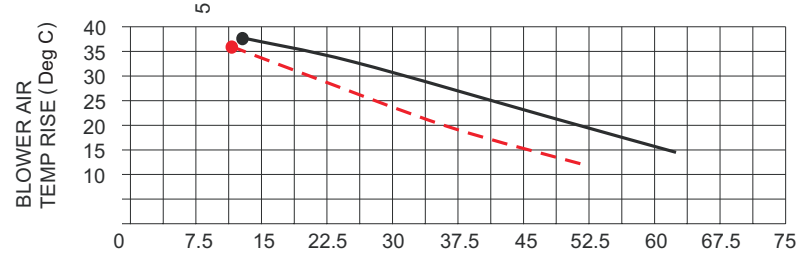
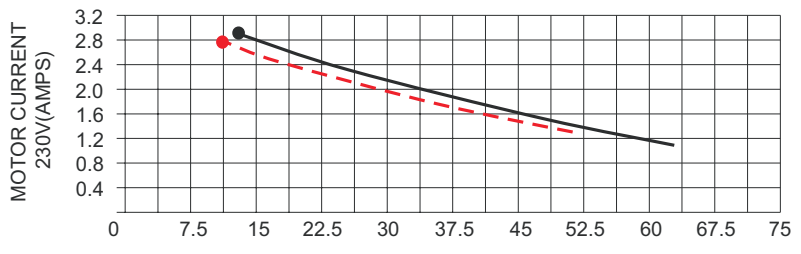
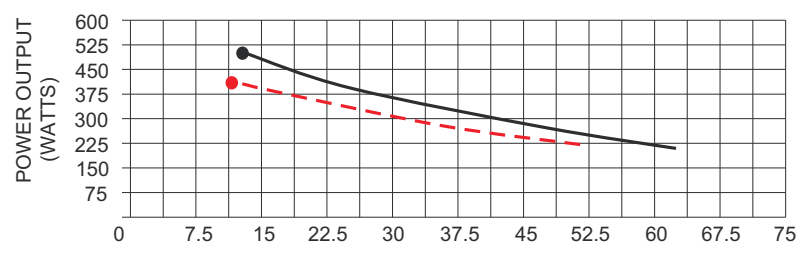
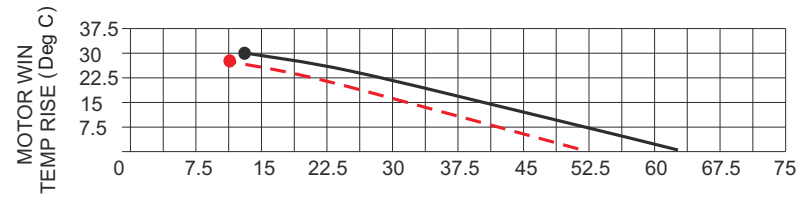
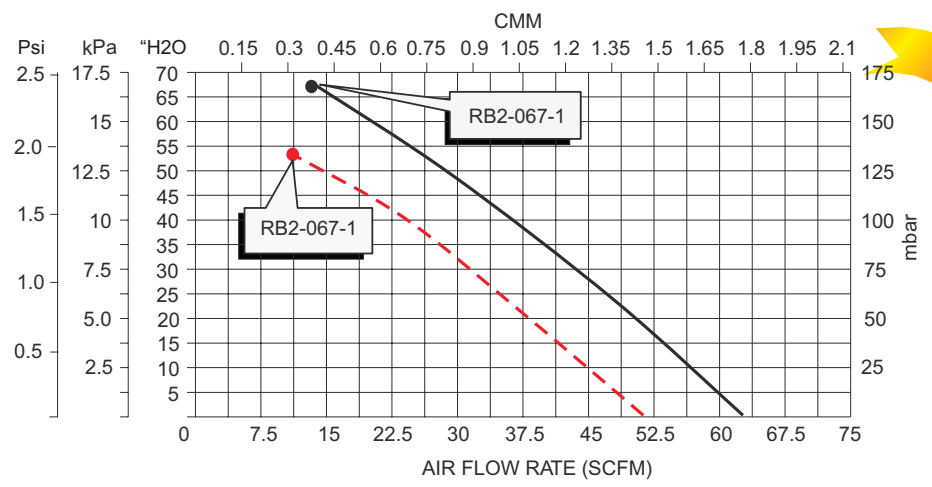


B2 Series - Pressure - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

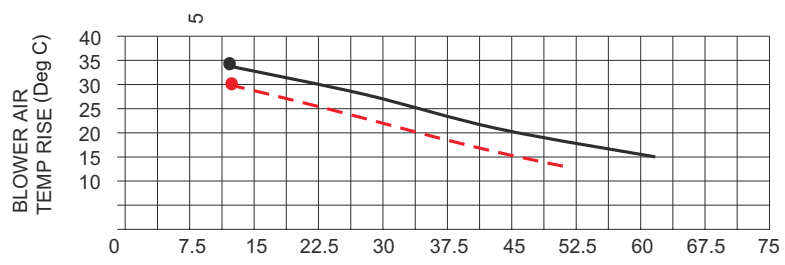
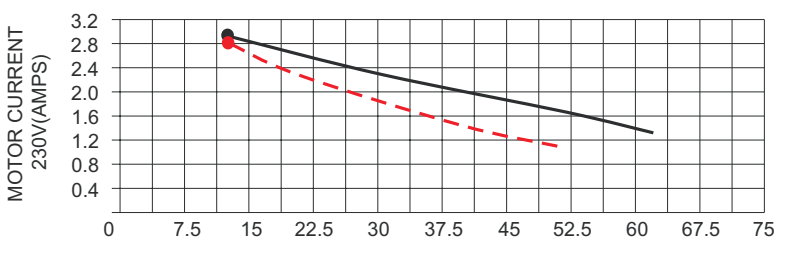
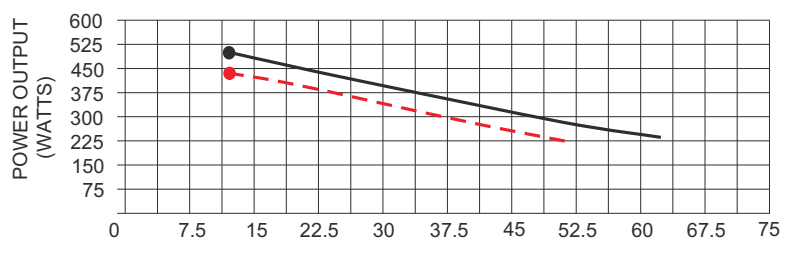
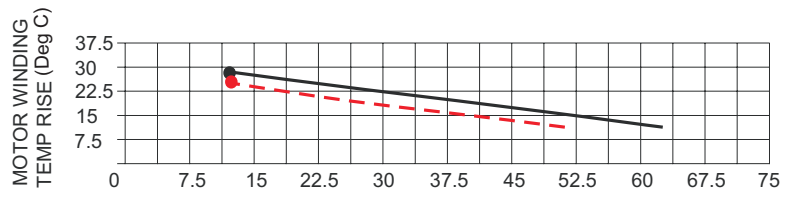
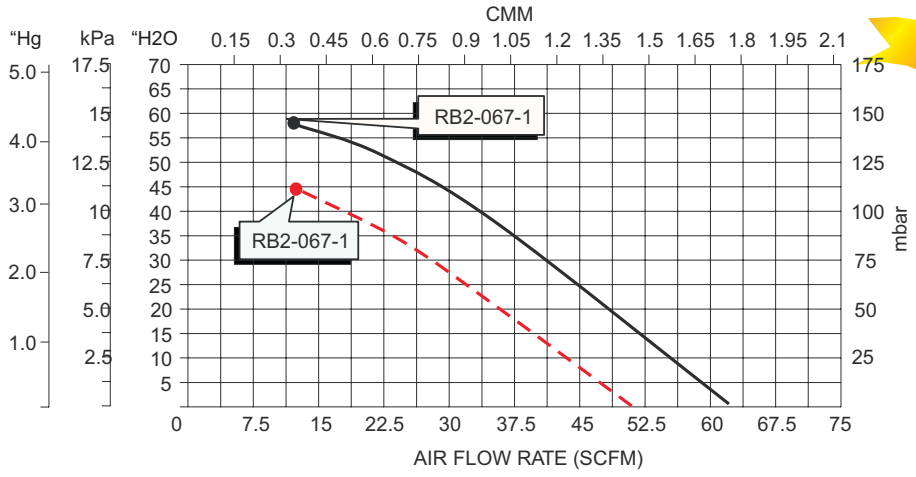


B2 Series - Vacuum - Single Phase

60Hz

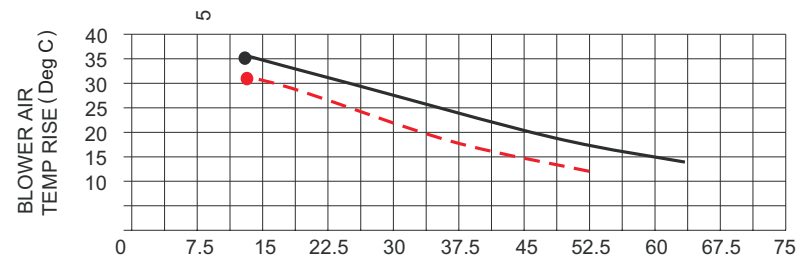
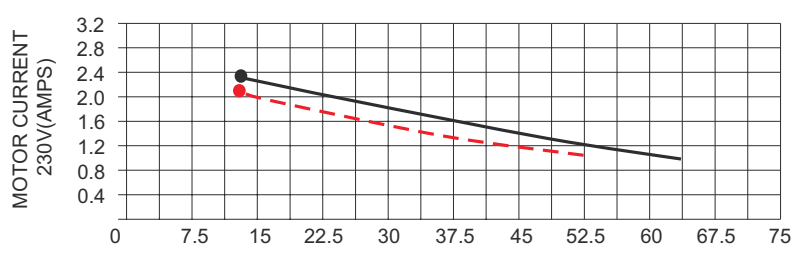
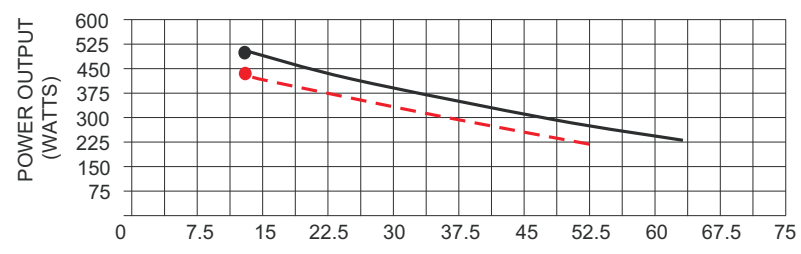
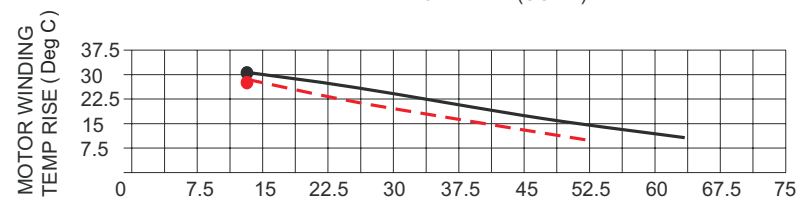
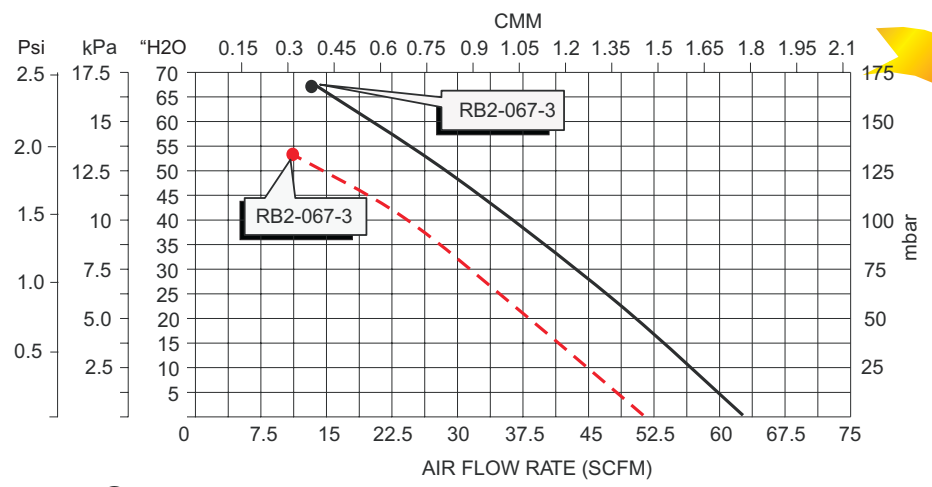
The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

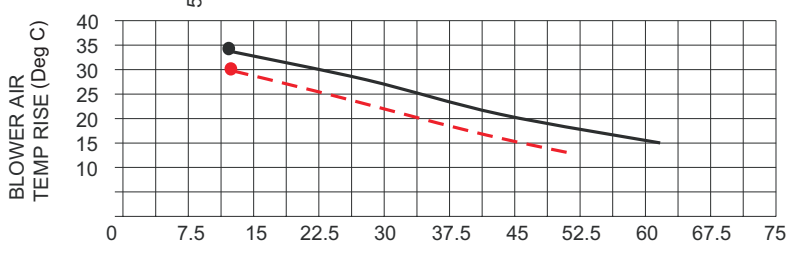
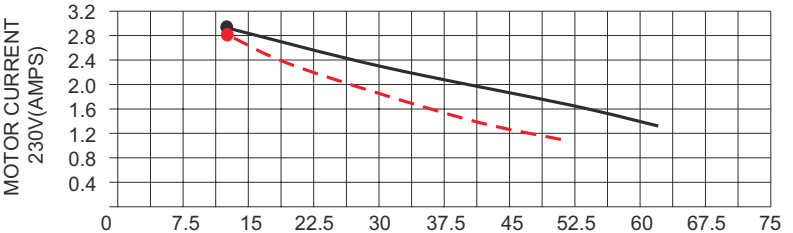
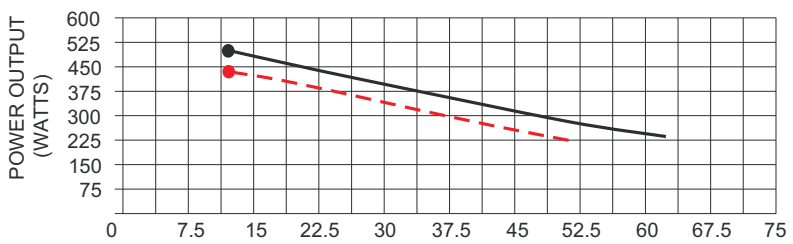
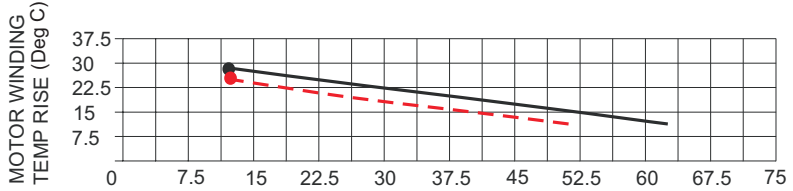
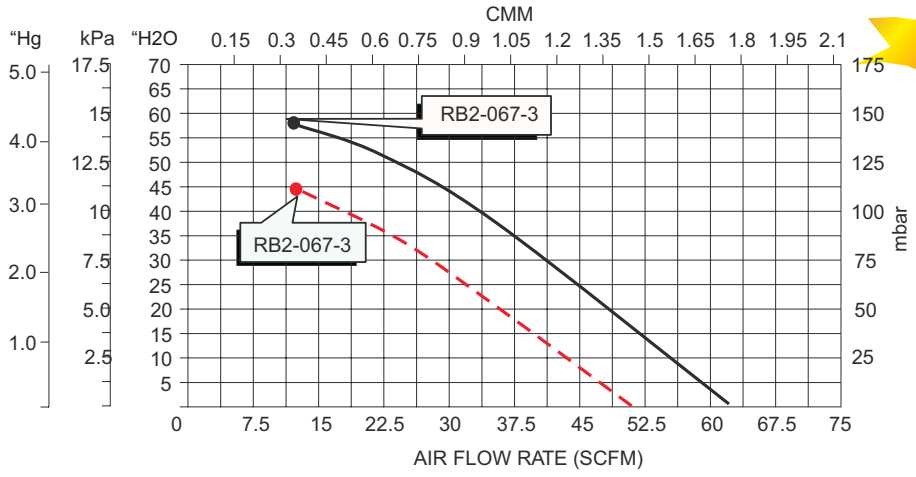


B2 Series - Vacuum - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006





Model	Speed	Hz	HP	kW	SCFM	Pressure mbar	"H2O	Vacuum mbar	"H2O	Noise Level	Net Weight kg	lbs
RB3-101-1	1	60	1.1	.85	105	144	58	148	59	64 db(A)	15.5	35
RB3-101-3	3	50	.75	.57	87	139	56	148	59	63 db(A)	15.5	35
RB3-105-2	2	60	1.5	1.1	105	190	76	182	73	64 db(A)	17	38
RB3-105-3	3	50	.9	.66	87	188	75	168	67	63 db(A)	17	38
RB3-2-2	2	60	2	1.5	105	224	90	205	82	64 db(A)	19	43
RB3-2-3	3	50	1.3	.95	87	202	81	180	72	63 db(A)	19	43

*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

- RB3-101-3 replaces HB-329
- RB3-105-3 replaces HB-319
- RB3-2-3 replaces HB-339

1/60/115/230 & 1/50/220

- RB3-101-1 replaces HB-329-1
- RB3-2-2 replaces HB-339-1

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-150
- Vacuum Air Filter CSL-849-150HC



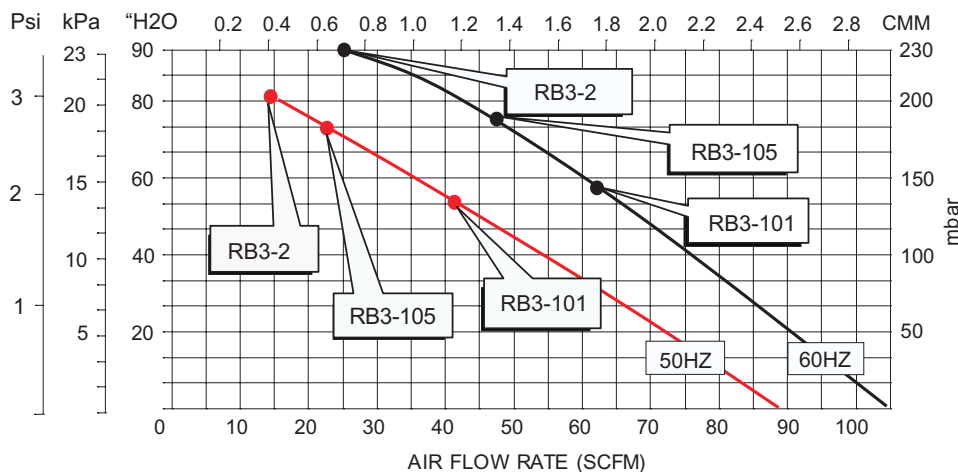
TECHNICAL DATA

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



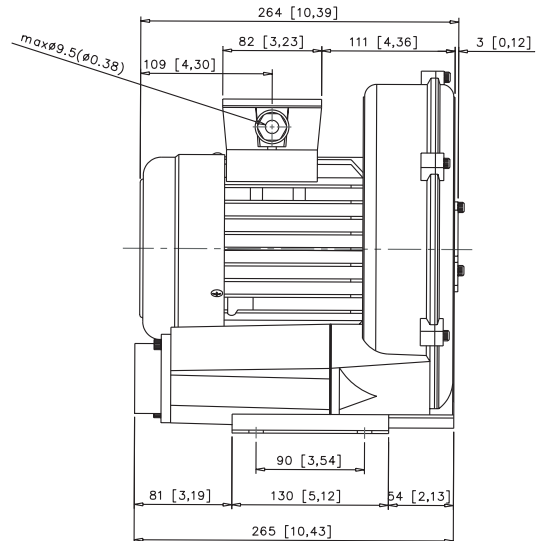
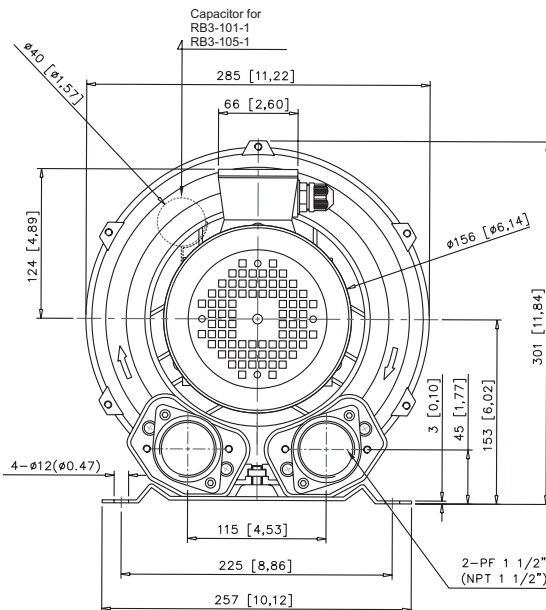
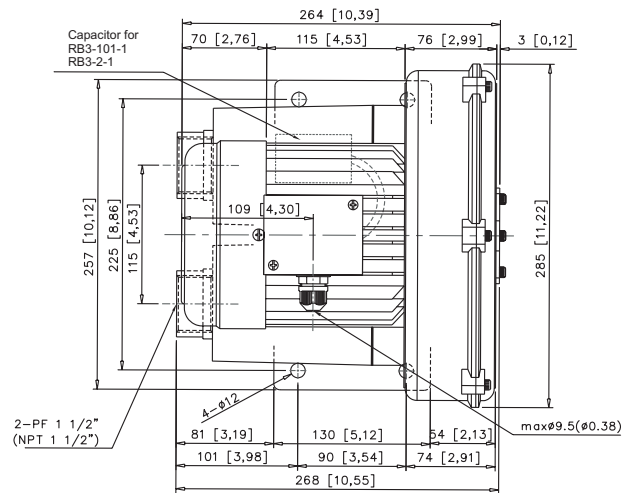
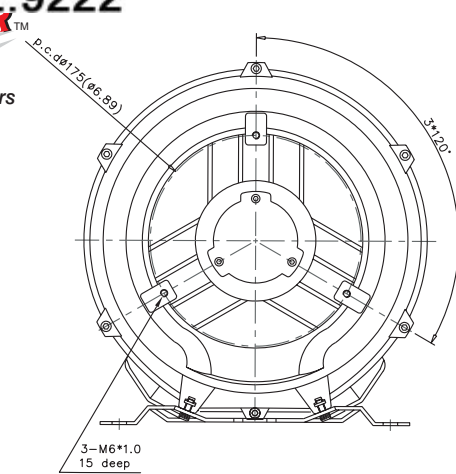
RoHS Compliant

PRESSURE DATA CURVES ±10%
[See reverse side for Vacuum Curves]

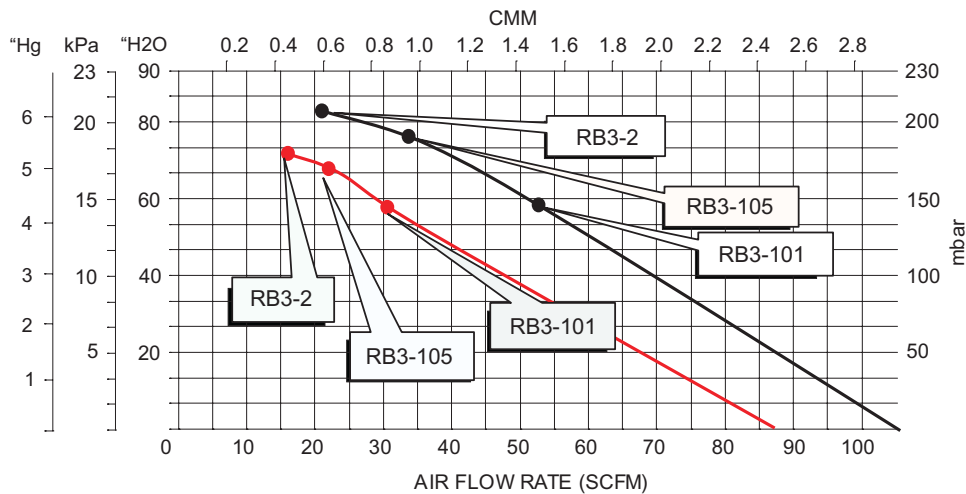


1.630.372.9222

ALL STAR™
Regenerative Blowers
Vacuum Pumps



VACUUM DATA CURVES



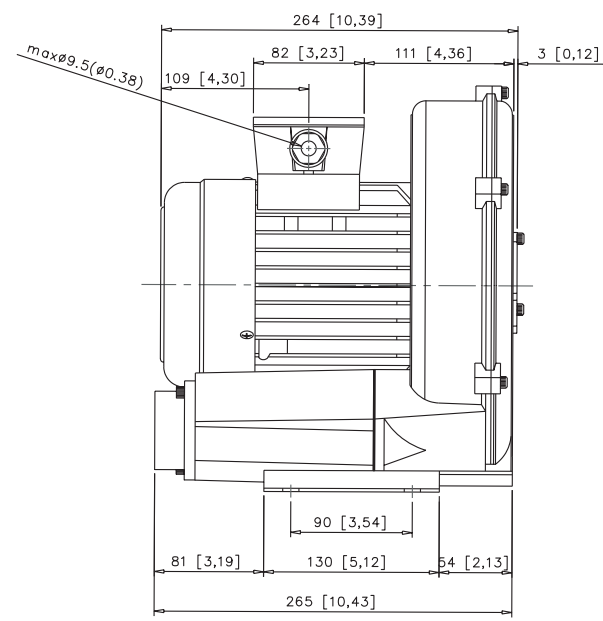
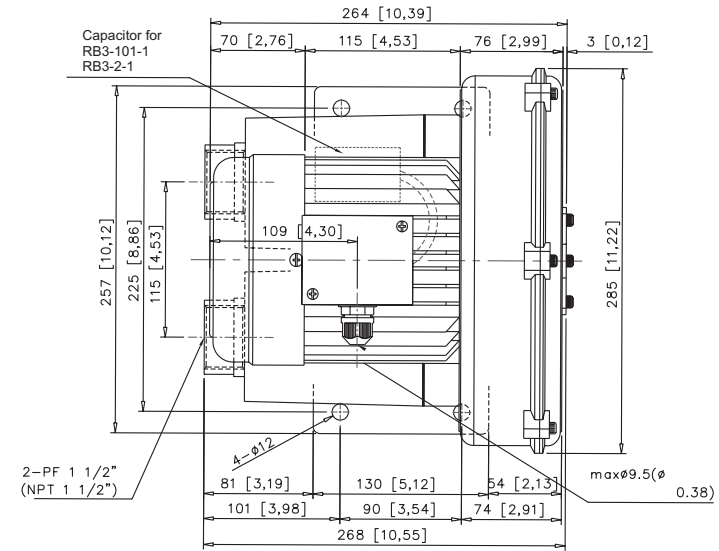
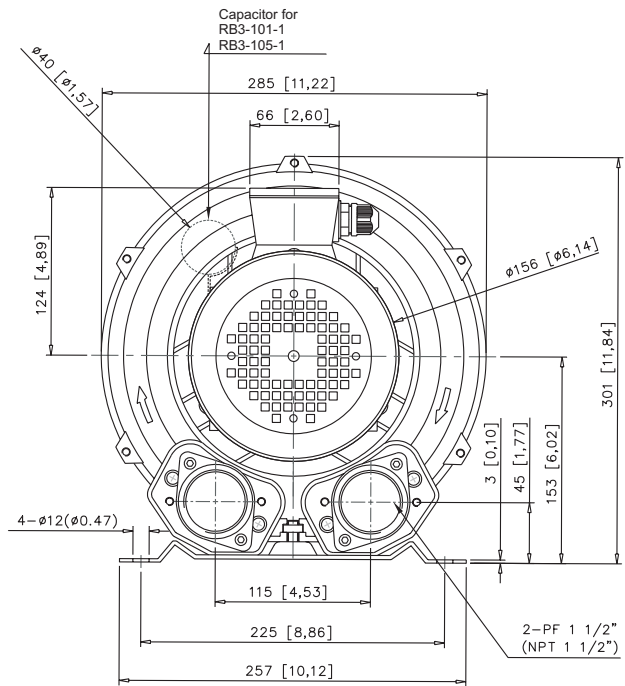
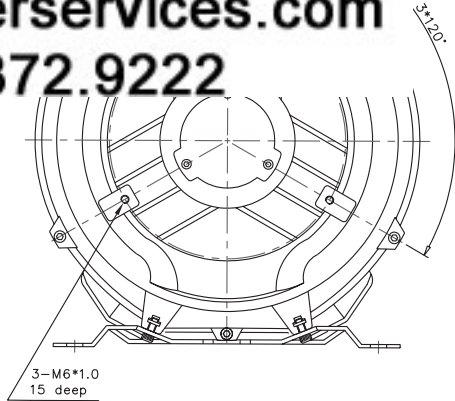
Air

Blower

Services Inc.

www.airblowerservices.com

1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

REGENERATIVE BLOWER
Model RB3 Series

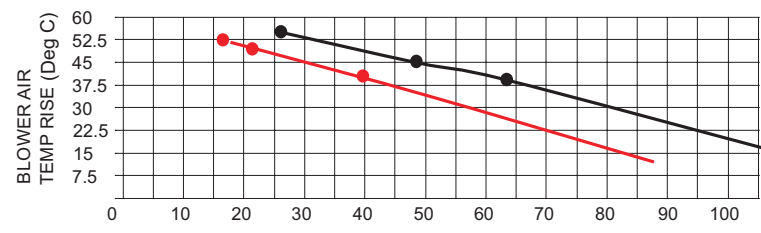
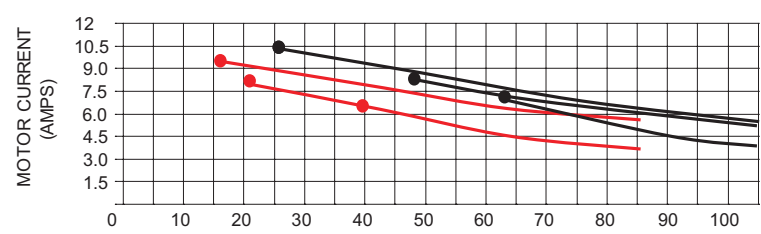
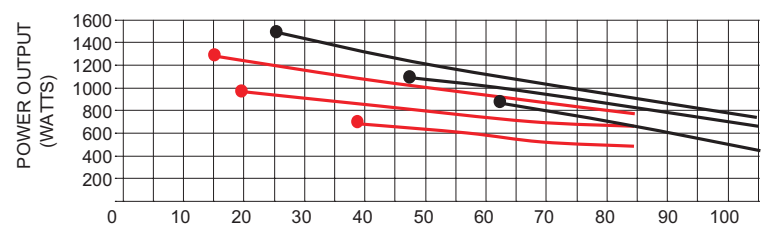
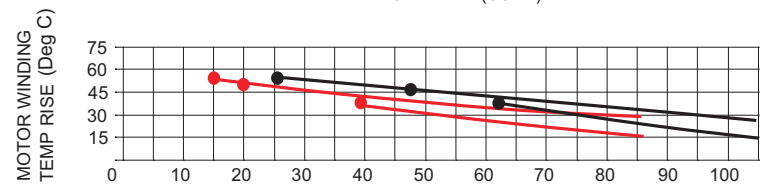
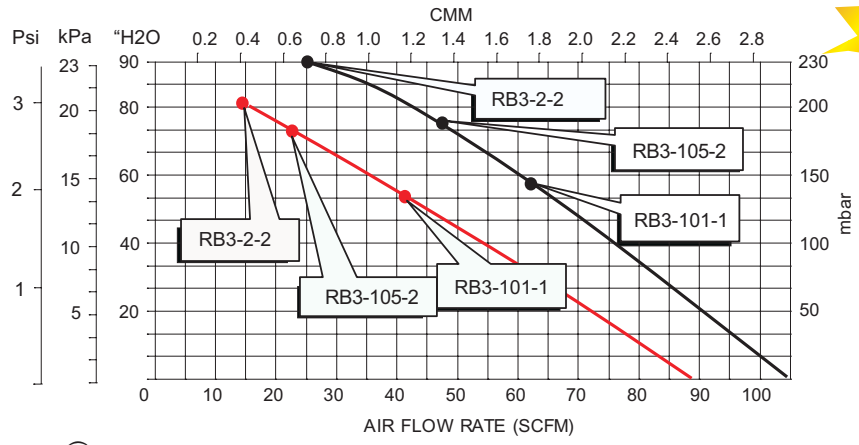
December 30, 2006

B3 Series - Pressure - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

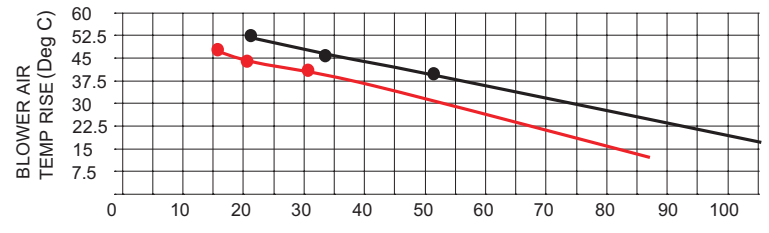
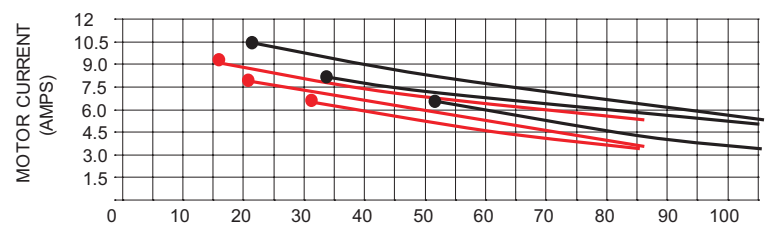
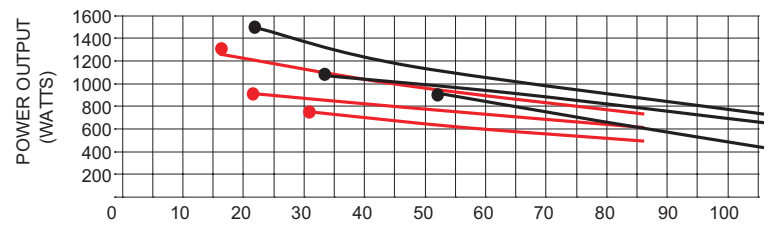
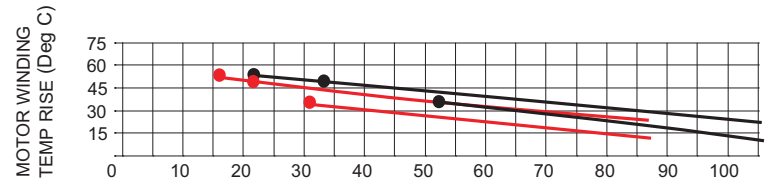
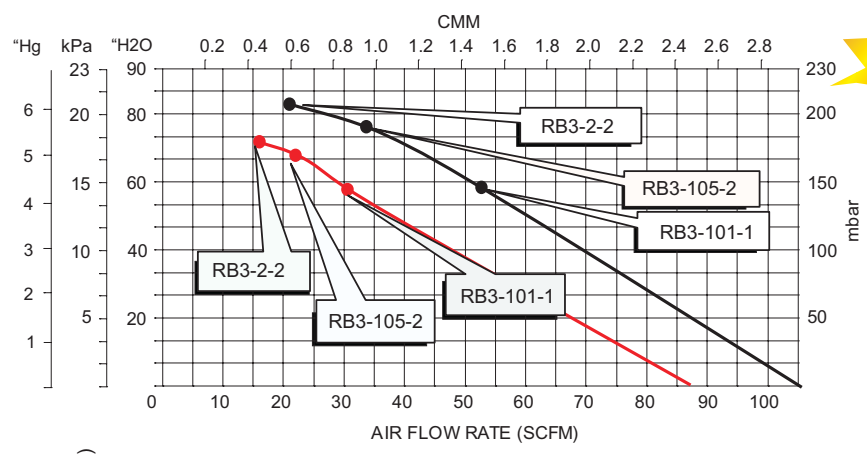


B3 Series - Vacuum - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

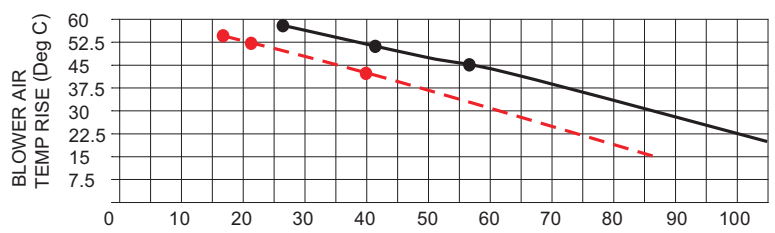
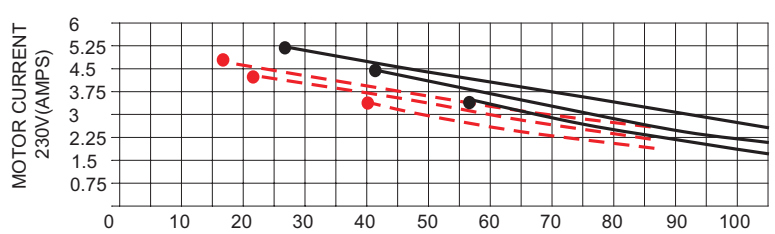
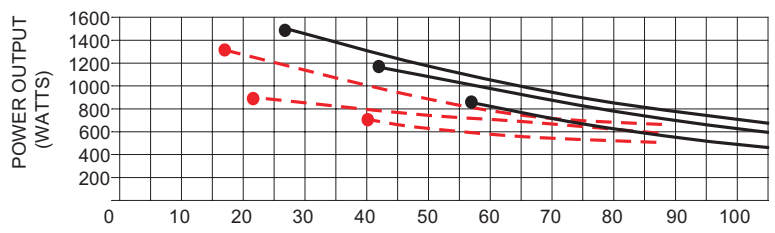
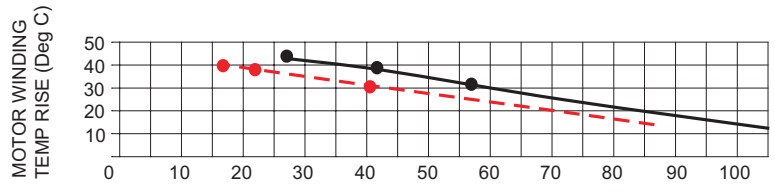
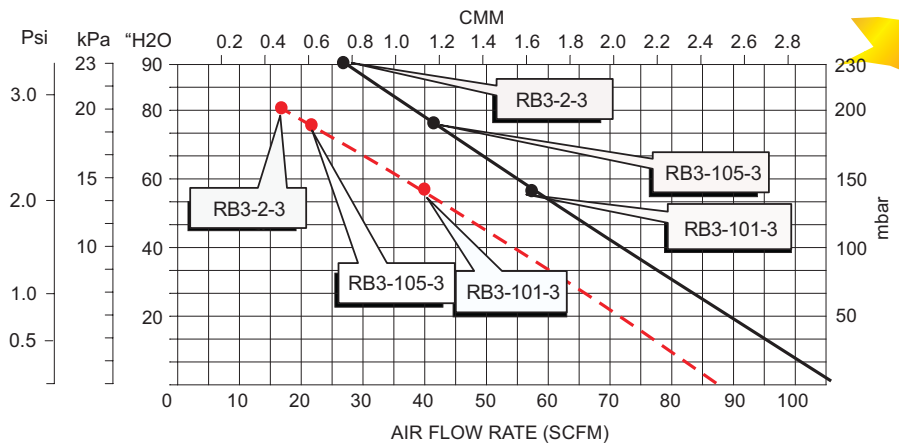


B3 Series - Pressure - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

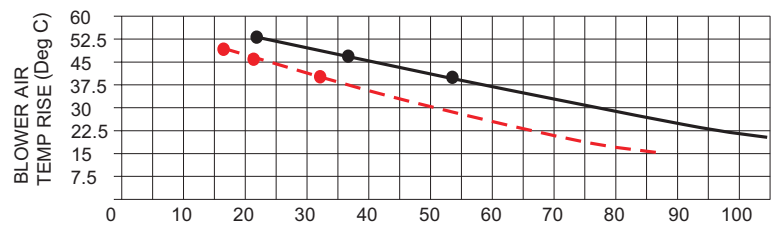
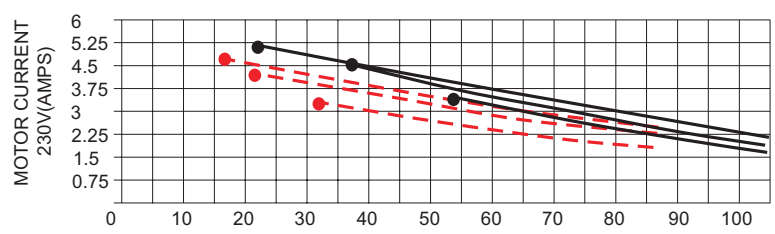
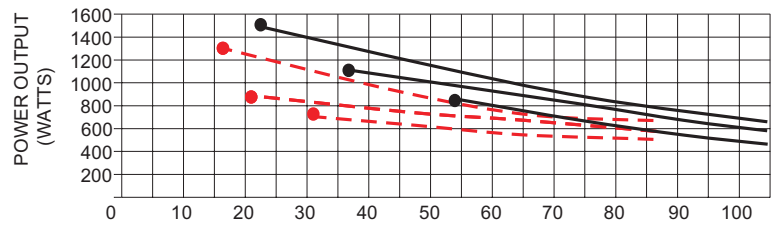
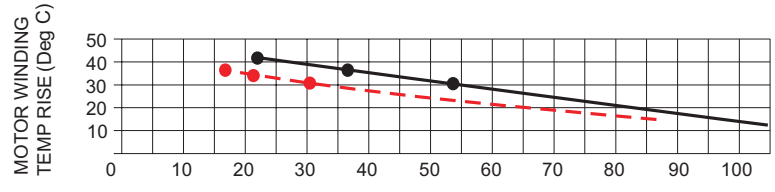
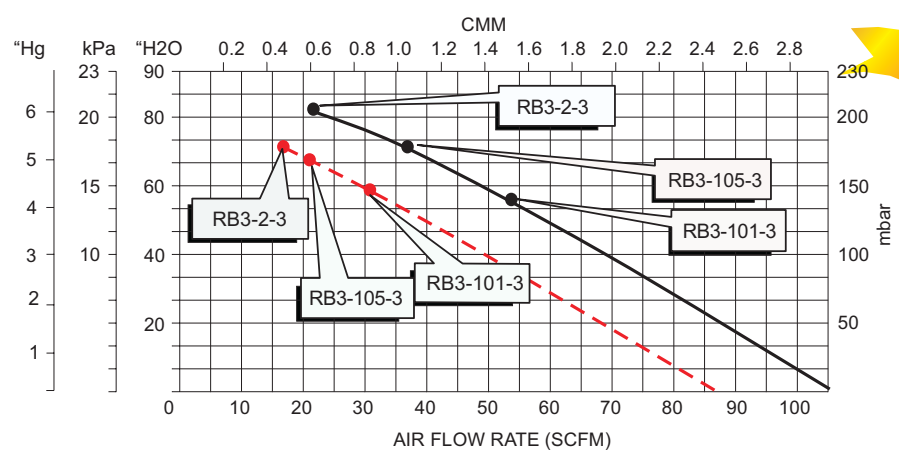


B3 Series - Vacuum - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



www.airblowerservices.com

1.630.372.9222



Model	Speed	Hz	HP	kW	SCFM	Pressure mbar	"H2O	Vacuum mbar	"H2O	Noise Level	Net Weight kg	lbs
RB4-105-2	2	60	1.5	1.1	155	147	59	145	58	73 db(A)	20.5	46
RB4-105-3	3	50	.9	.9	127	137	55	145	58	70 db(A)	20.5	46
RB4-2-2	2	60	2	1.5	155	179	72	194	78	73 db(A)	22	48
RB4-2-3	3	50	1.3	1.3	127	179	72	194	78	70 db(A)	22	48
RB4-205-2	2	60	2.5	1.9	155	222	89	212	85	73 db(A)	23	51
RB4-205-3	3	50	1.75	1.75	127	222	89	217	87	70 db(A)	23	51
RB4-305-3	3	60	3.5	2.6	155	314	126	255	102	73 db(A)	26	57
		50		2.2	127	274	110	230	88	70 DB(A)	26	57

*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
- Phase & voltage
 - 1 = 1/60/115/230 & 1/50/220
 - 2 = 1/60/50/230
 - 3 = 3/60/208-230/460 3/50/220/380

3/60/208-230/460 & 3/50/220/380

- RB4-105-3 replaces HB-419
- RB4-2-3 replaces HB-429A
- RB4-205-3 replaces HB-429
- RB4-305-3 replaced HB-439

1/60/115/230 & 1/50/220

- RB4-105-2 replaces HB-429-11
- RB4-2-2 replaces HB-429-12
- RB4-205-2 replaces HB-429-1



REQUIRED ACCESSORIES

NOTE: To obtain blower warranty coverage a pressure 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

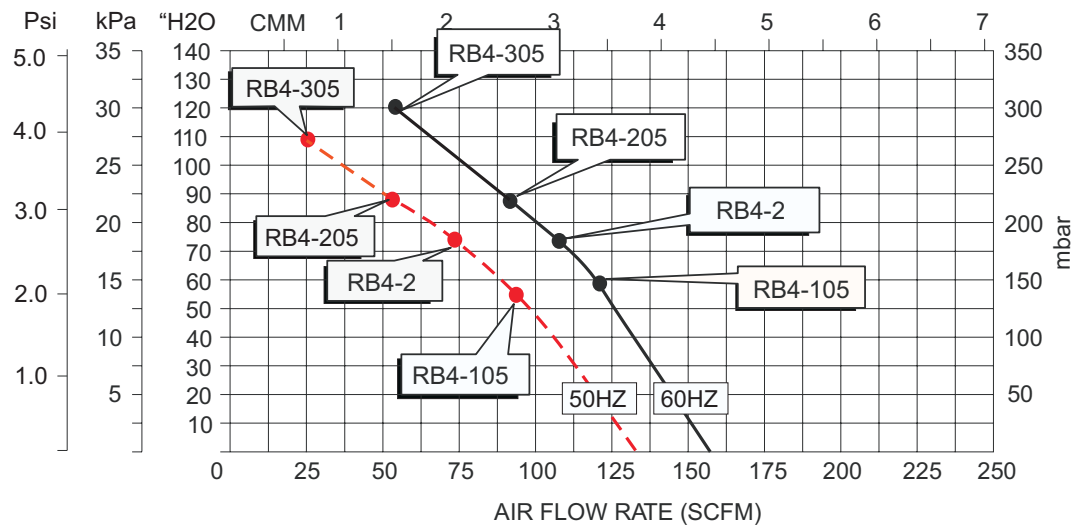
- Pressure Intake Air Filter F31P-200
- Vacuum Air Filter CSL-849-1150HC



TECHNICAL DATA

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

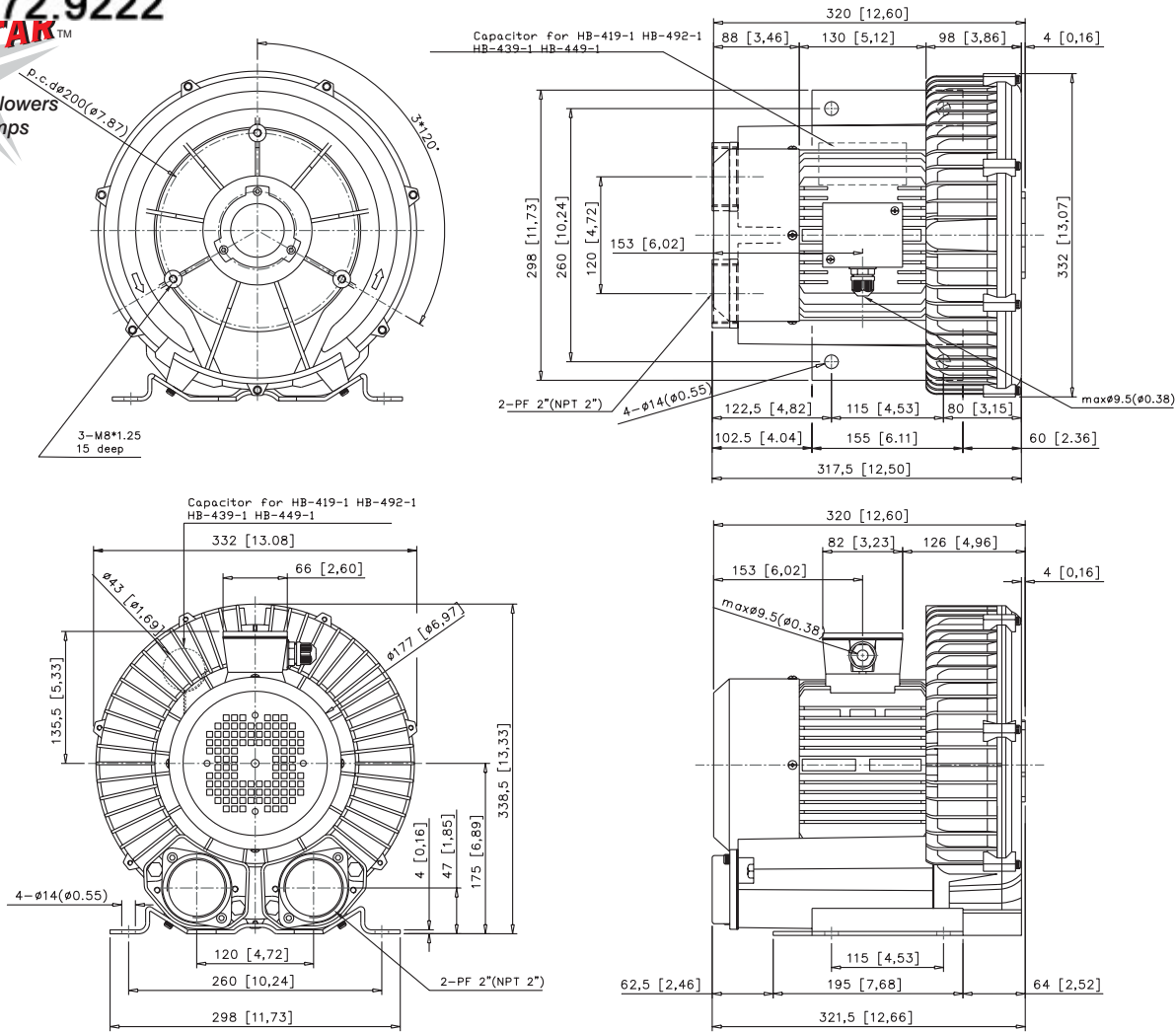
PRESSURE DATA CURVES ±10%
[See reverse side for Vacuum Curves]



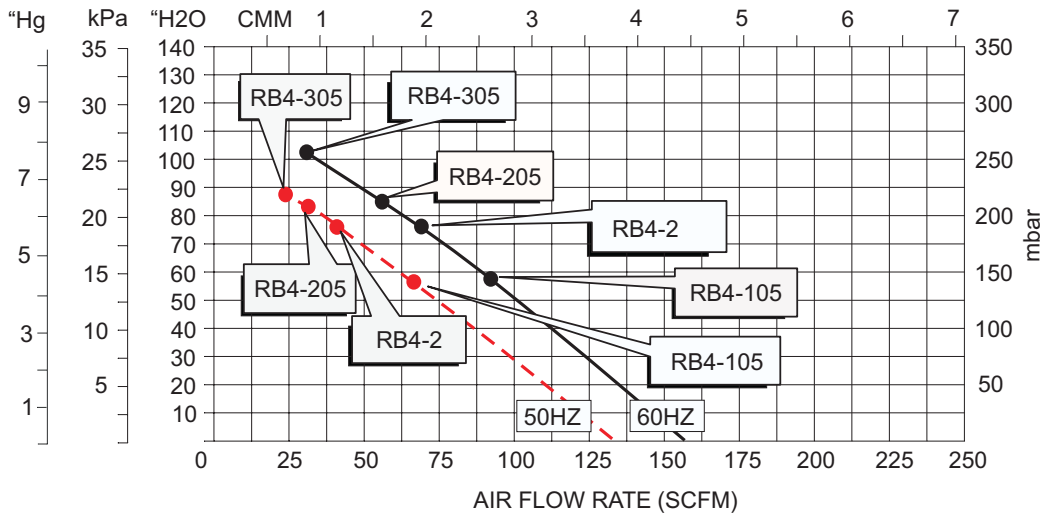
1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps



VACUUM DATA CURVES ± 10%



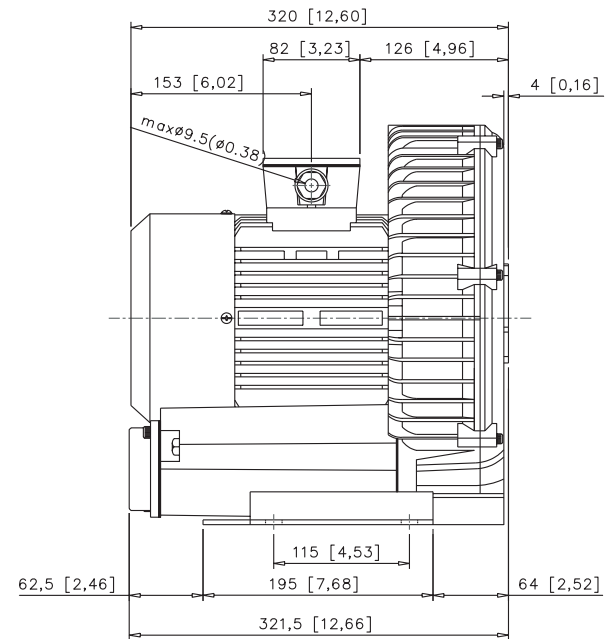
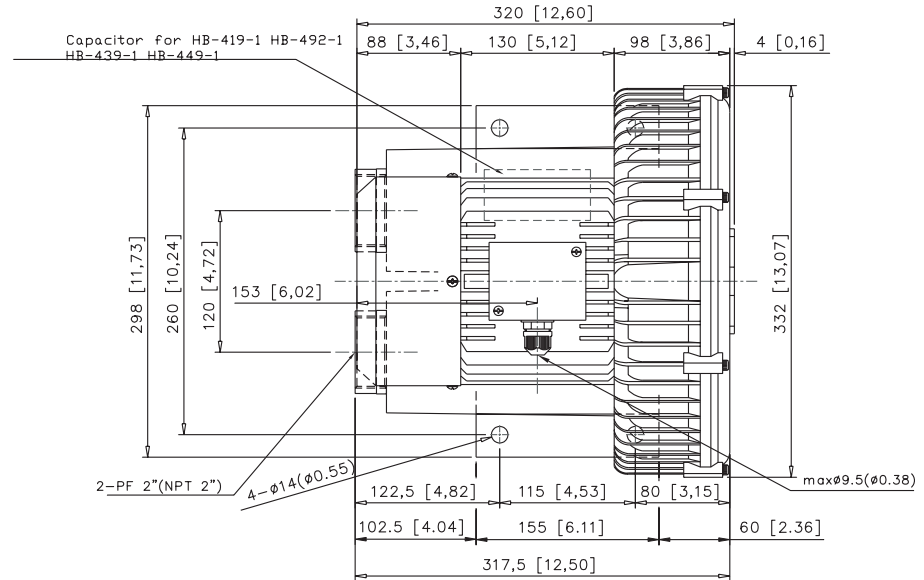
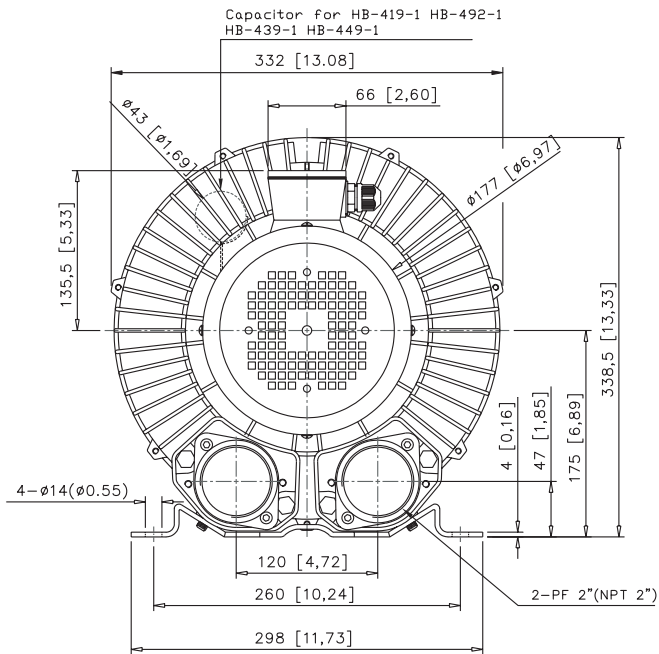
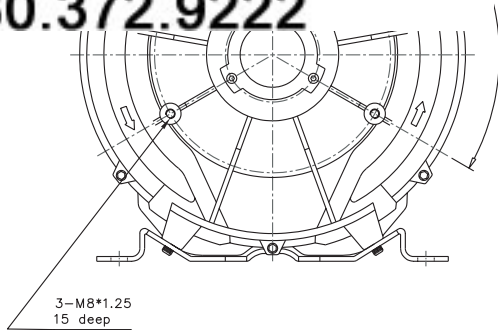
Air

Blower

Services Inc.

www.airblowerservices.com

1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

REGENERATIVE BLOWER
Model RB4 Series

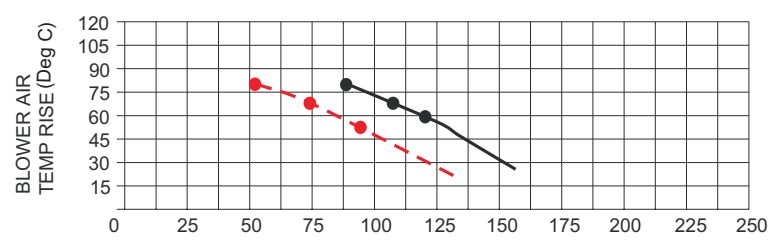
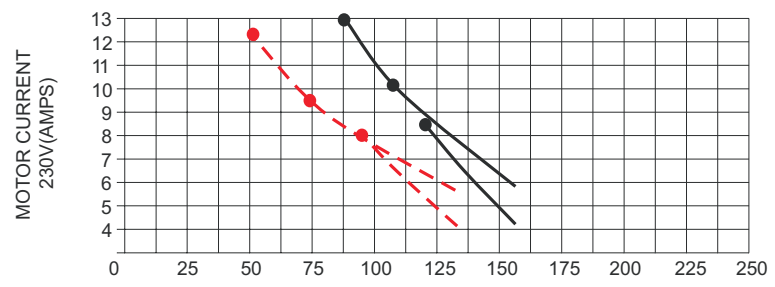
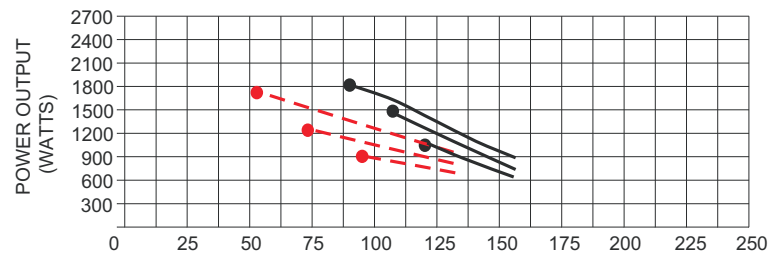
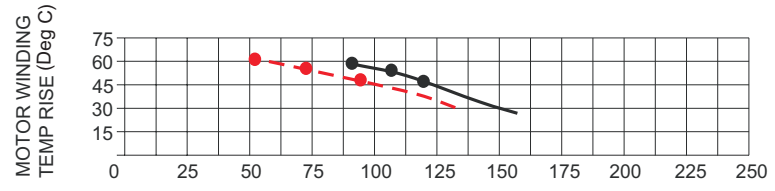
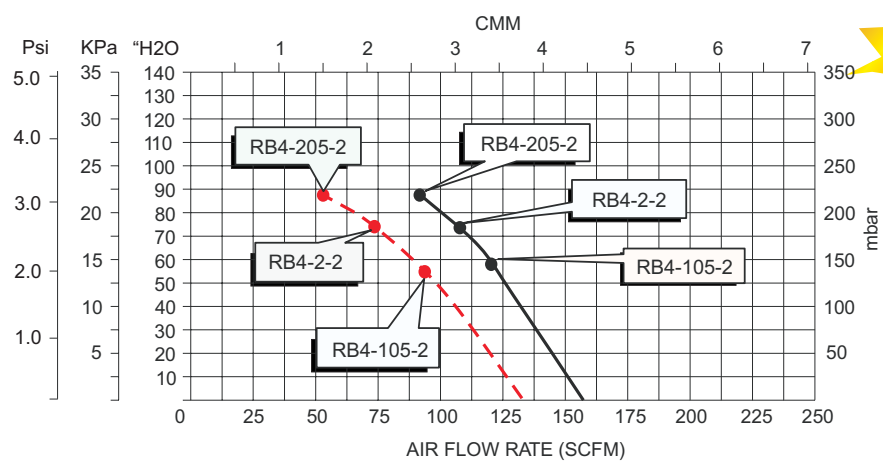
December 30, 2006

B4 Series - Pressure - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

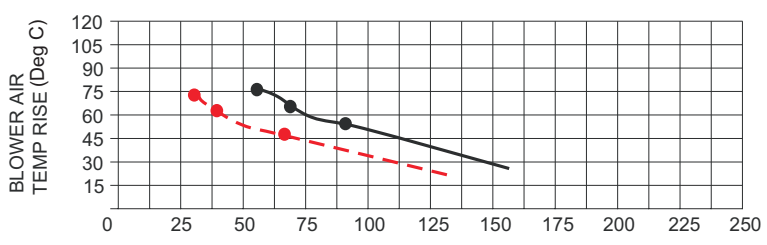
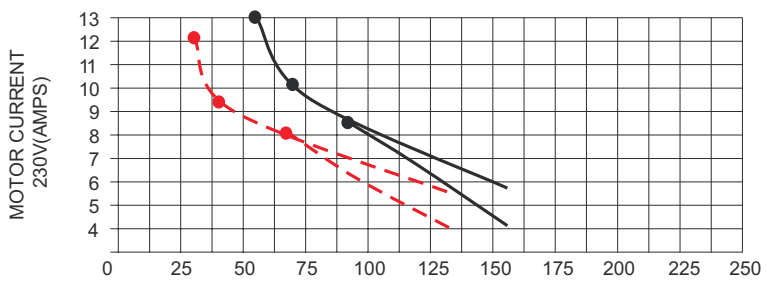
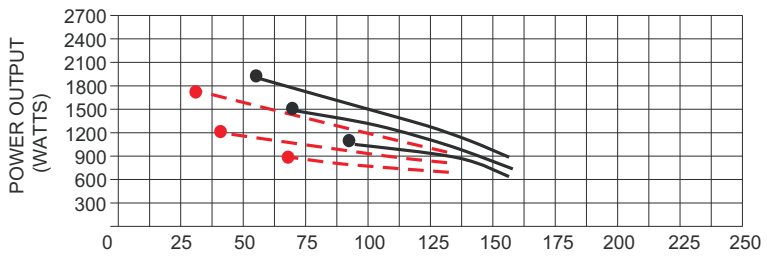
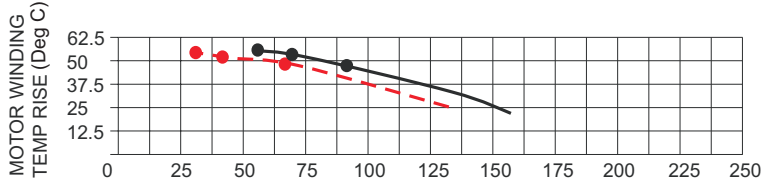
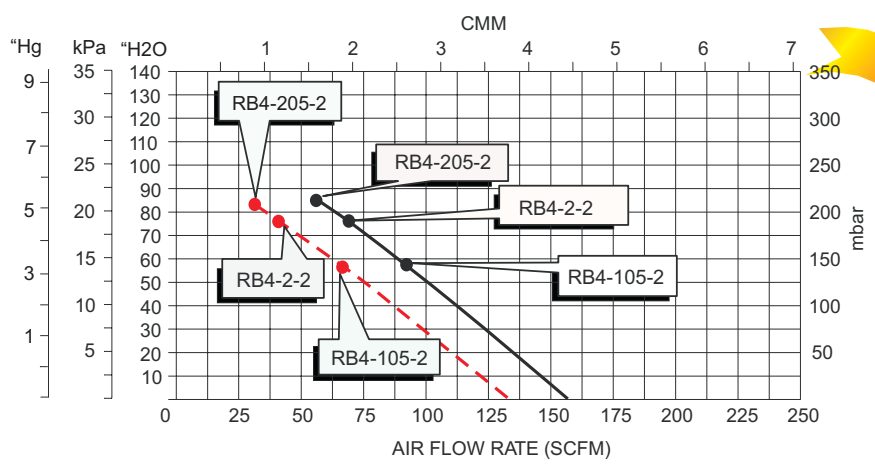


B4 Series - Vacuum - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

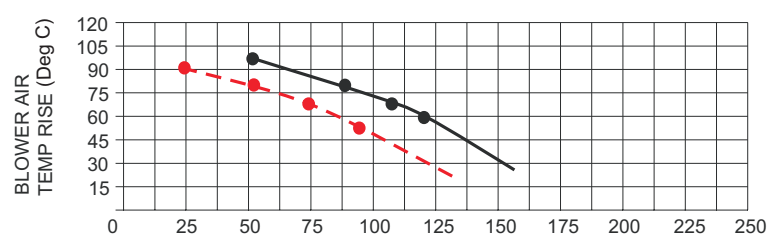
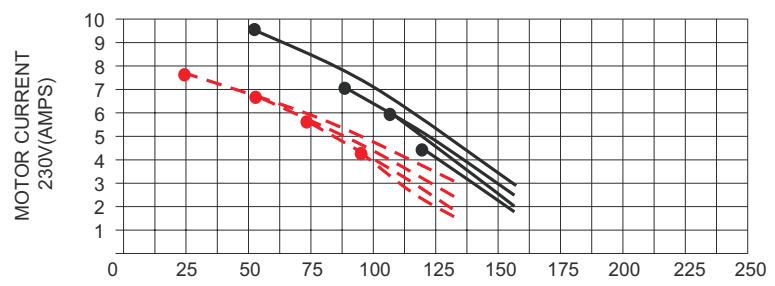
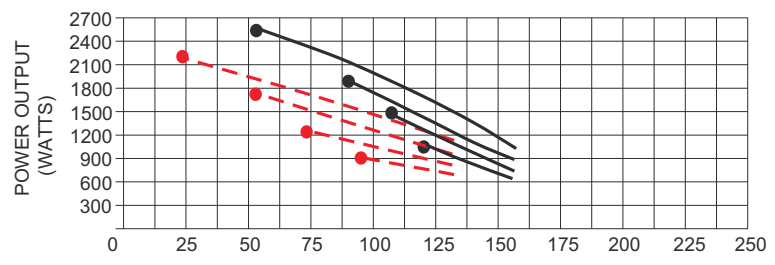
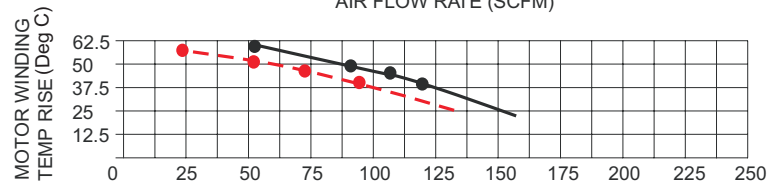
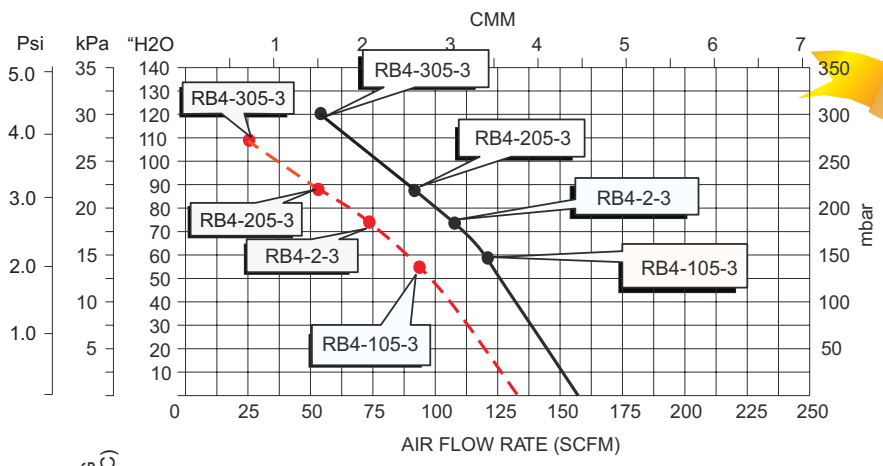
November 2006



RB4 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/m³, ±10 %variance.

November 2006

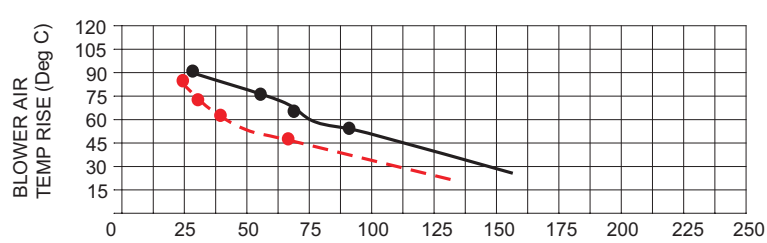
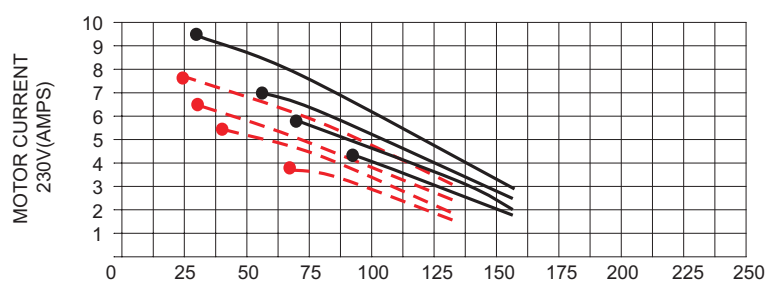
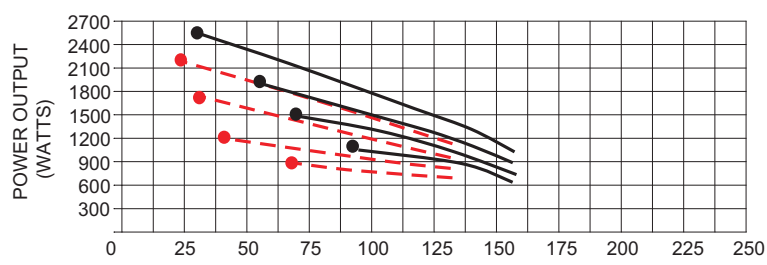
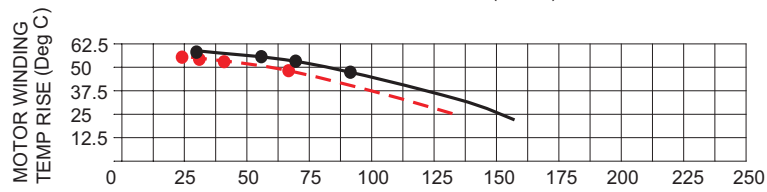
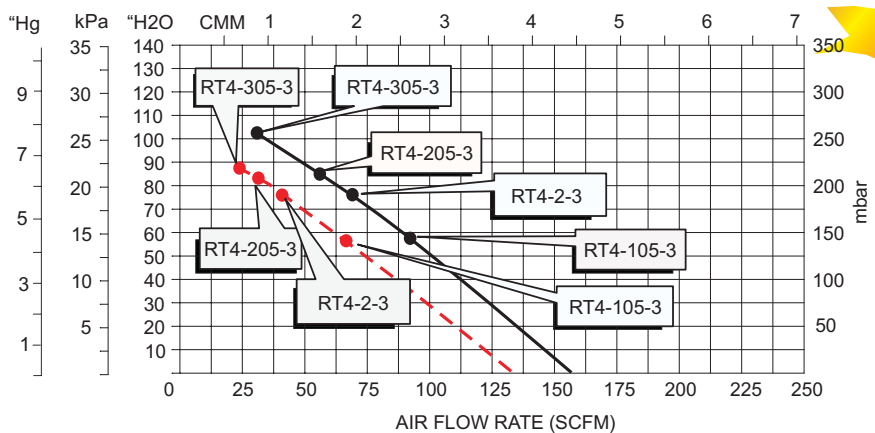


B4 Series - Vacuum - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



www.airblowerservices.com

1.630.372.9222



	je	Hz	HP	kW	SCFM	Pressure mbar	"H2O	Vacuum mbar	"H2O	Noise Level	Net Weight kg	lbs
RB6-305-2	2	60	3.5	2.6	228	222	89	219	88	77 db(A)	33	73
RB6-305-3	3	50		2.2	190	228	91	222	89	72 db(A)	33	73
RB6-5-2	2	60	5	3.7	228	296	119	279	112	77 db(A)	36	79
RB6-5-3	3	50		3.4	190	290	116	257	104	72 db(A)	36	79
RB6-601-3	3	60	6.1	4.6	228	321	129	312	125	77 db(A)	38	84
		50		4	190	326	131	270	108	72 db(A)	38	84

*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

- RB6-305-3 replaces HB-529
- RB6-5-3 replaces HB-629
- RB6-601-3 replaces HB-639

1/60/50/115/230

- RB6-305-2 replaces HB-529-1
- RB6-5-2 replaces HB-629-1

REQUIRED ACCESSORIES

Note: To obtain warranty coverage 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 F231P-200
- Vacuum Air Filter CSL-851-200HC



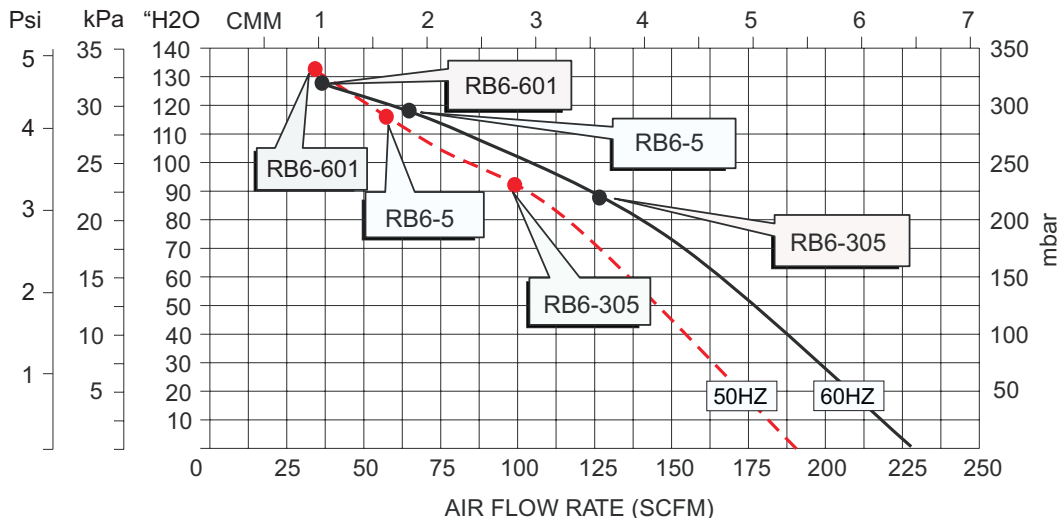
TECHNICAL DATA

[Available online www.all-star-usa.com]

- Performance Temperature Rise Curves
- AutoCad files
- Parts List
- Full amperage

PRESSURE DATA CURVES ±10%

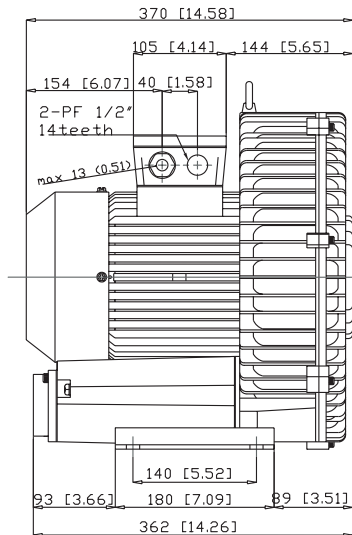
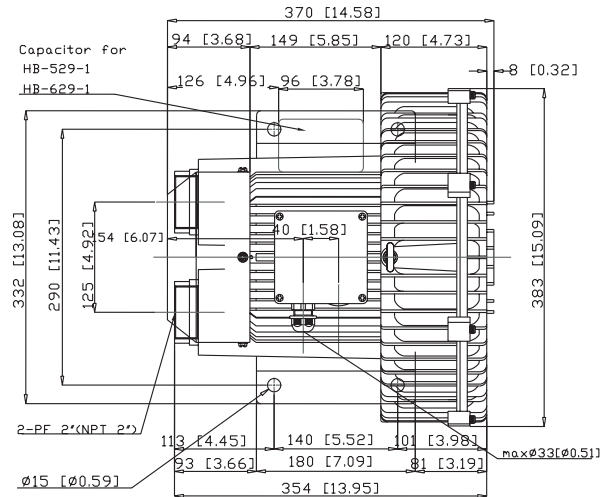
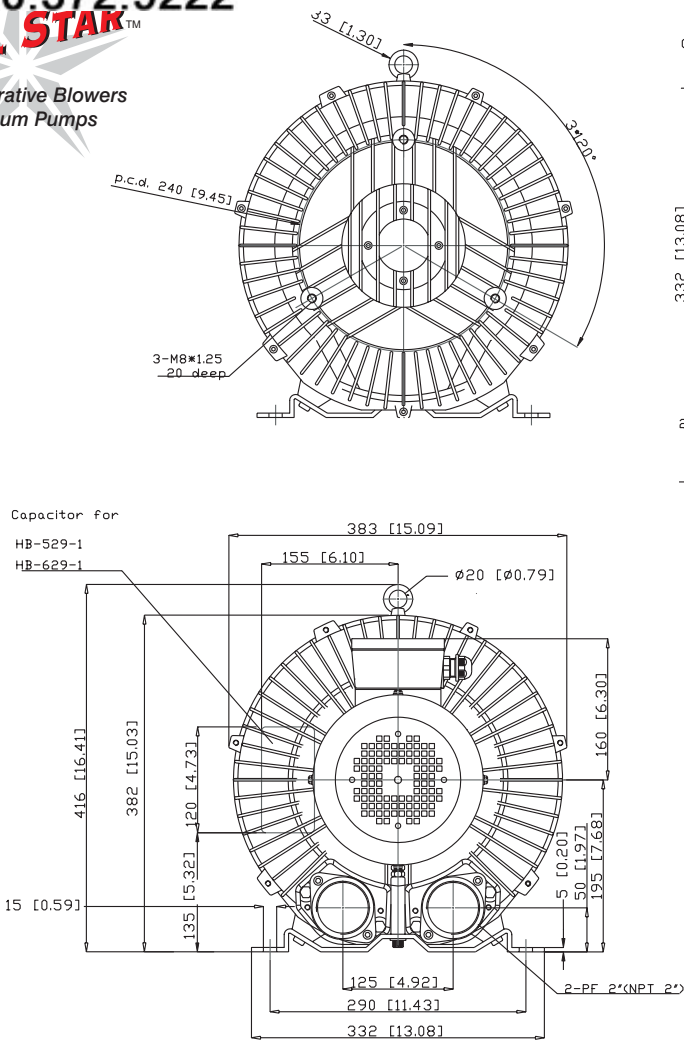
[See reverse side for Vacuum Curves]



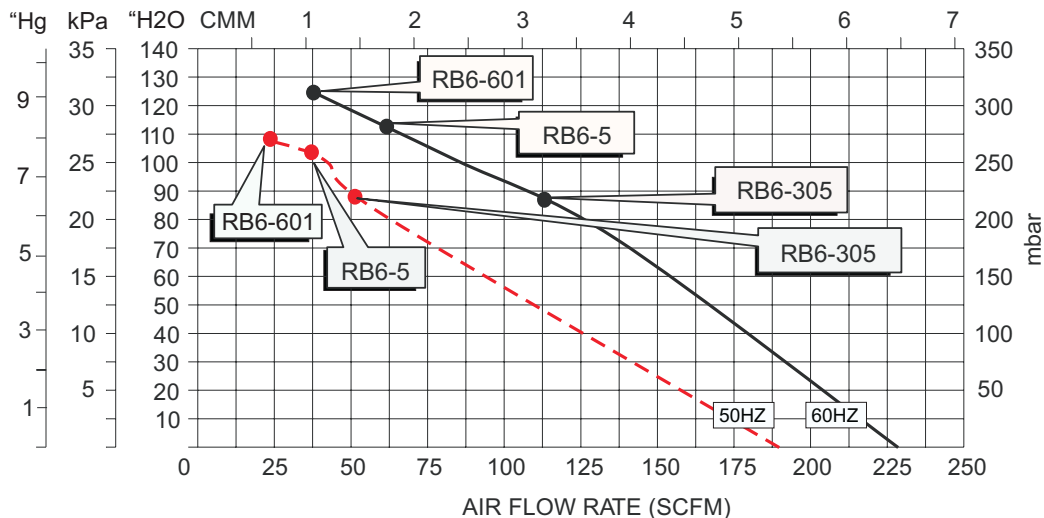
1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps



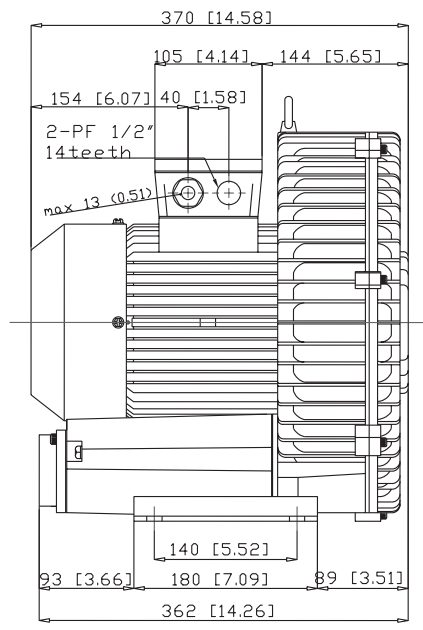
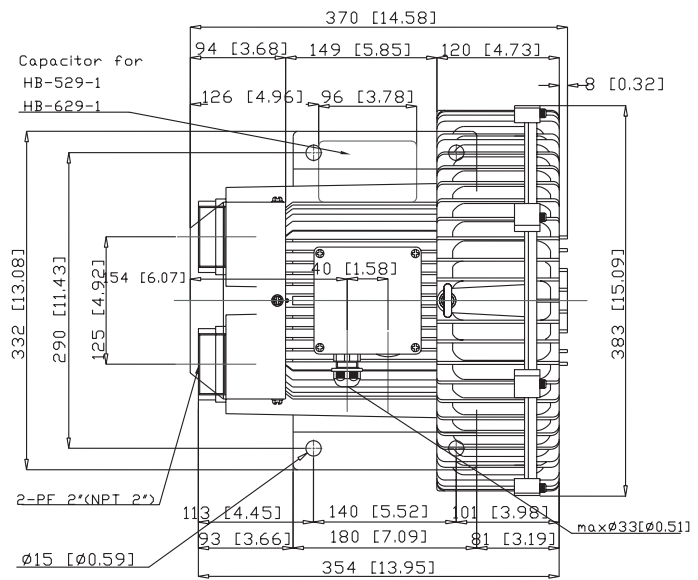
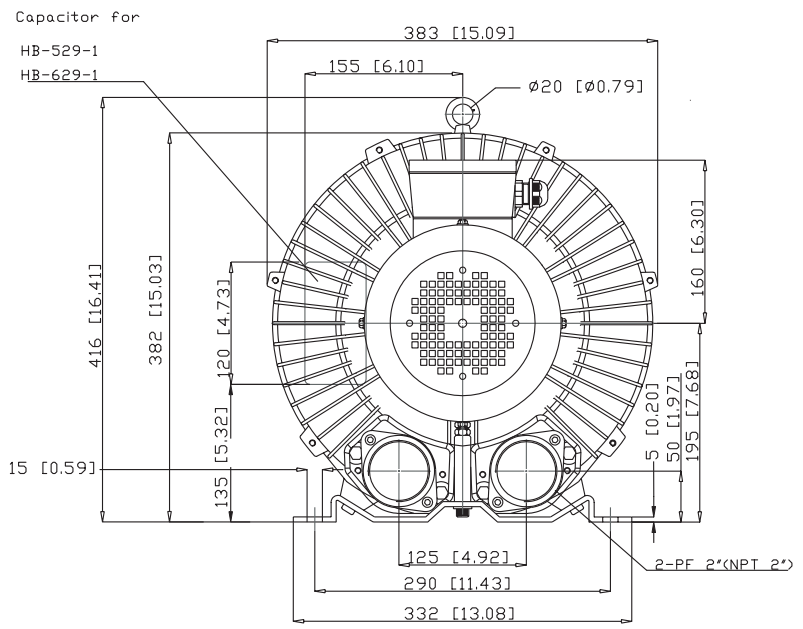
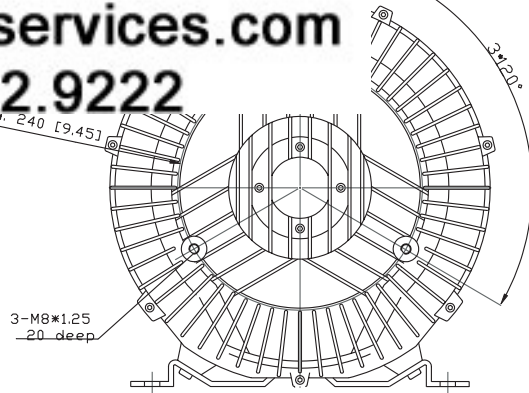
VACUUM DATA CURVES ±10%



Air

Blower Services Inc.

www.airblowerservices.com
1.630.372.9222

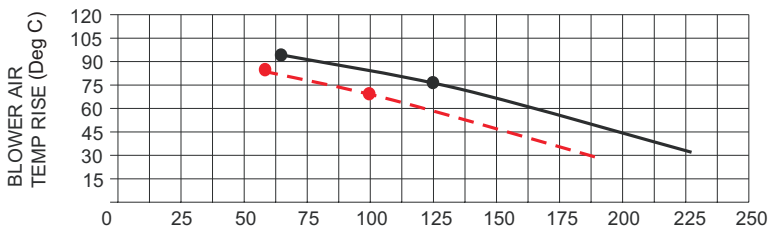
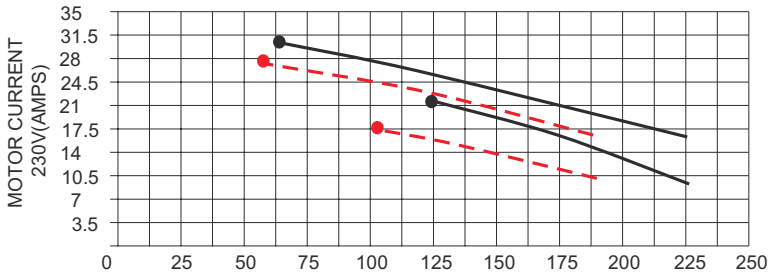
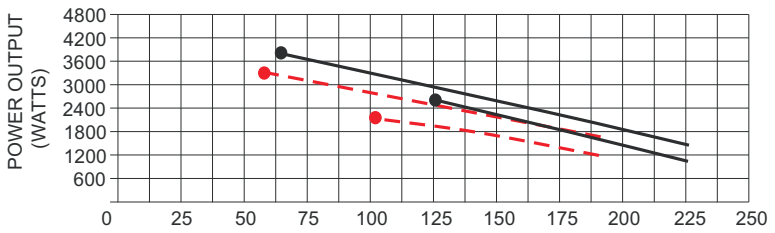
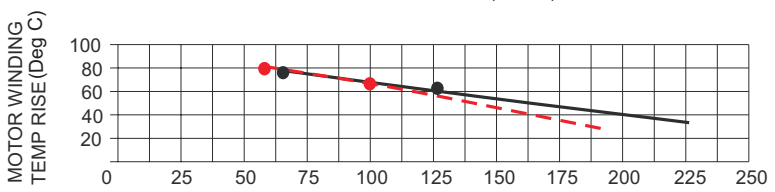
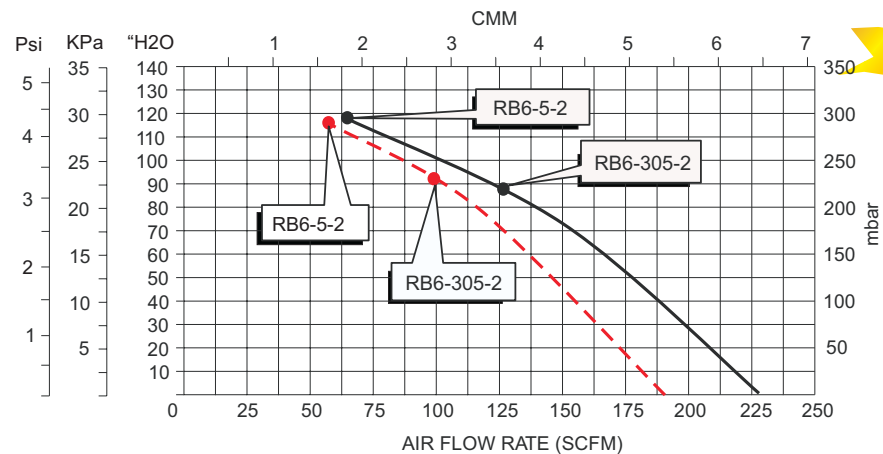


B6 Series - Pressure - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

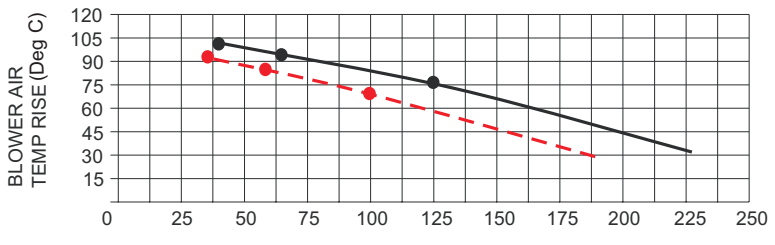
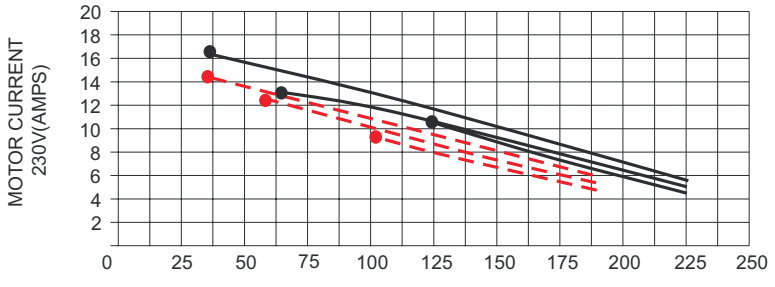
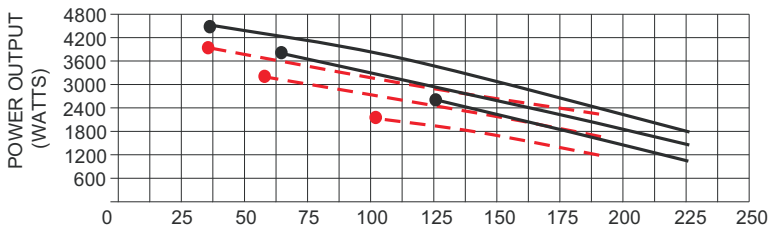
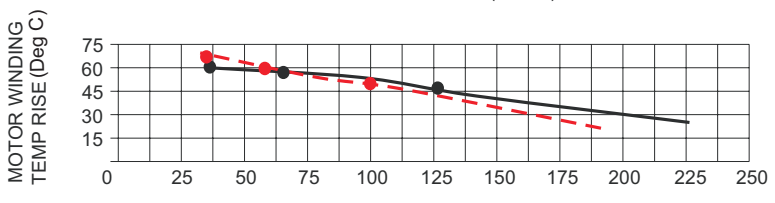
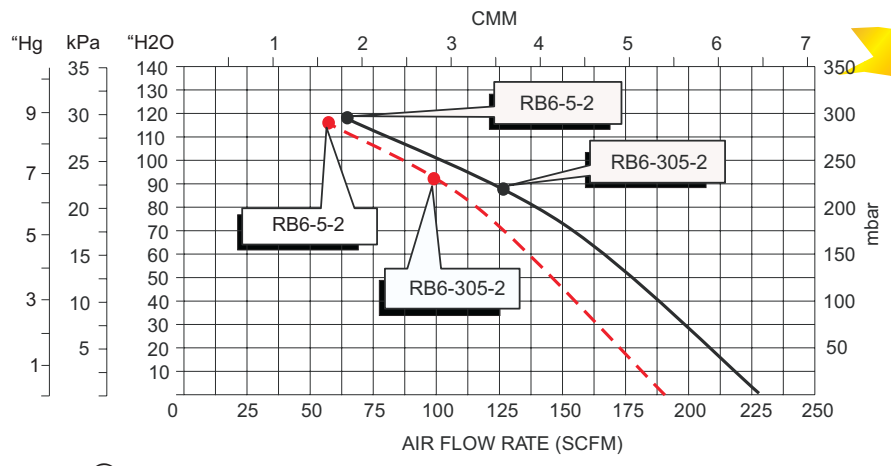


B6 Series - Vacuum - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

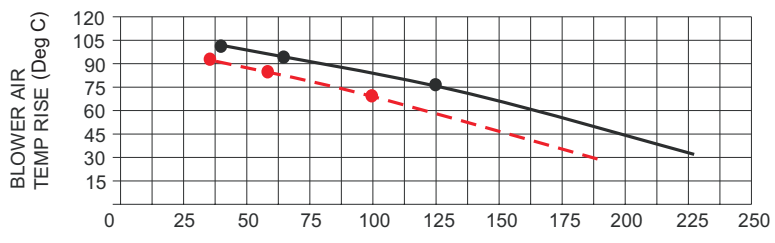
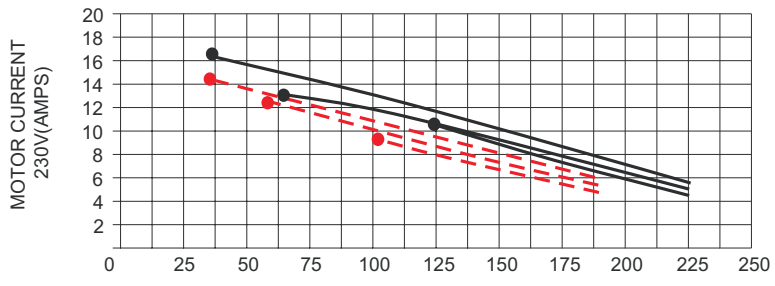
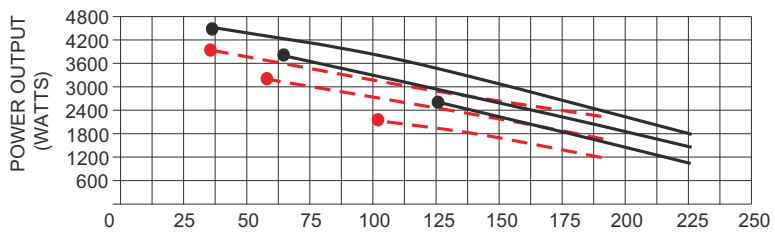
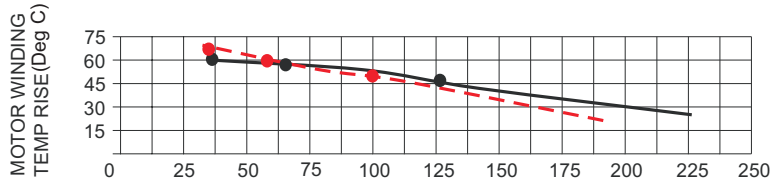
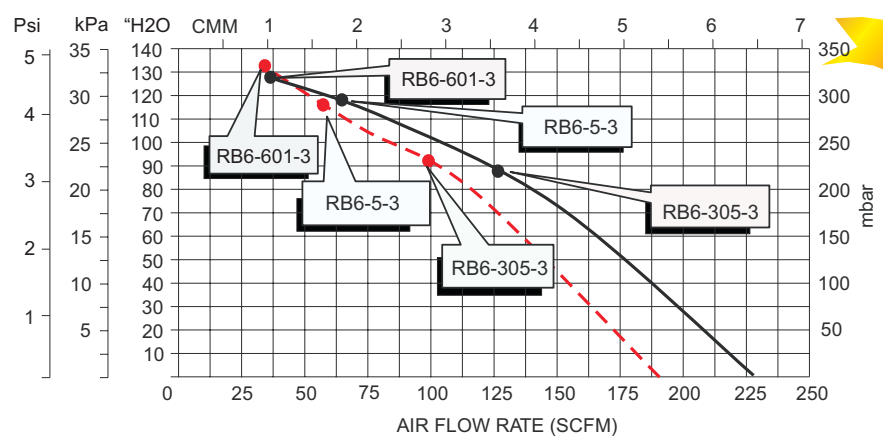


B6 Series - Pressure - Three Phase

60Hz

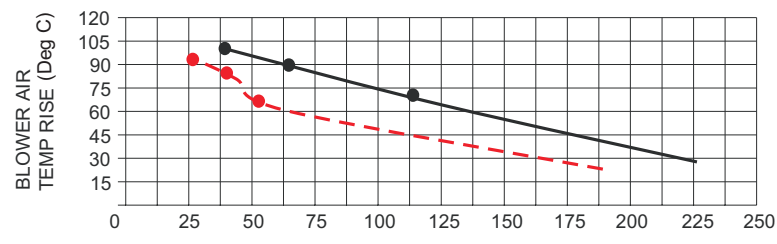
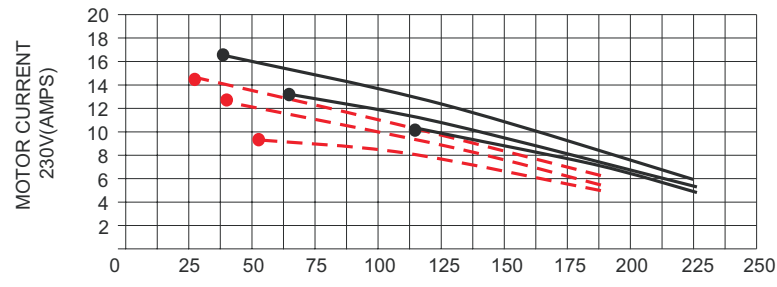
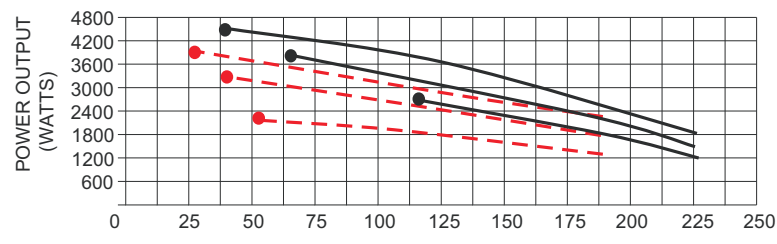
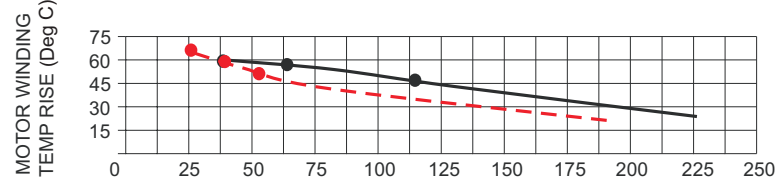
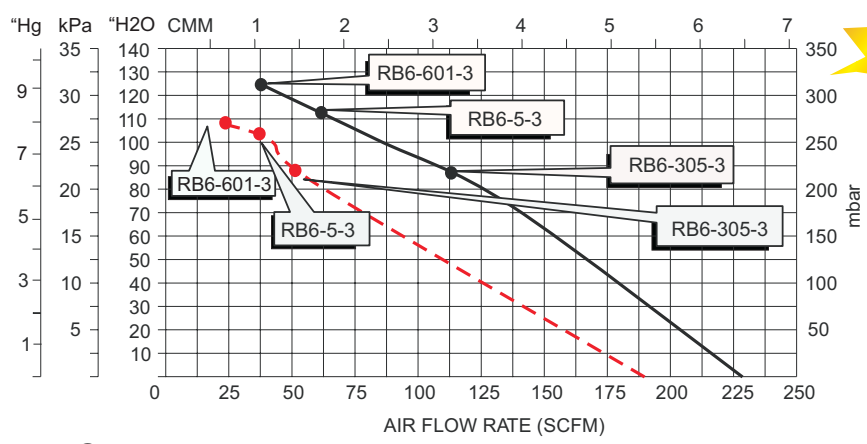
The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



www.airblowerservices.com

1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps

Model	Poles	Hz	HP	kW	SCFM	Pressure		Vacuum		Noise Level	Net Weight	
						mbar	"H2O	mbar	"H2O		kg	lbs
RB8-805-3	3	60	8.5	6.8	400	290	116	300	120	79 db(A)	78	172
		50		5.5	340	296	119	270	108	74 db(A)	78	172
RB8-1105-3	3	60	11.5	8.6	400	400	160	345	139	79 db(A)	82	182
		50		7.5	340	400	160	300	120	74 db(A)	82	182

*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

RB8-805-3 replaces HB-729

RB8-1105-3 replaces HB-829

REQUIRED ACCESSORIES

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

Pressure Relief Valve RV-02
Pressure Relief Valve RVA-02

Vacuum Relief Valve RV-02
Vacuum Relief Valve RVA-02

Pressure Intake Air Filter F235P-250
Vacuum Air Filter CSL-851-250HC



TECHNICAL DATA

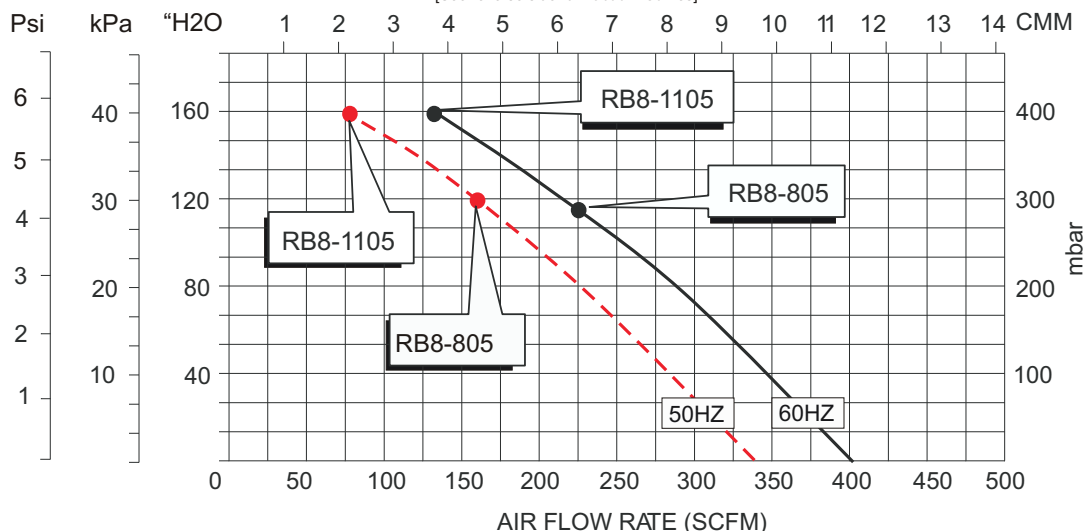
- [Available online www.all-star-usa.com]
- Performance Temperature Rise Curves
 - AutoCad files
 - Parts List
 - Full load amperage



RoHS
Compliant

PRESSURE DATA CURVES ±10%

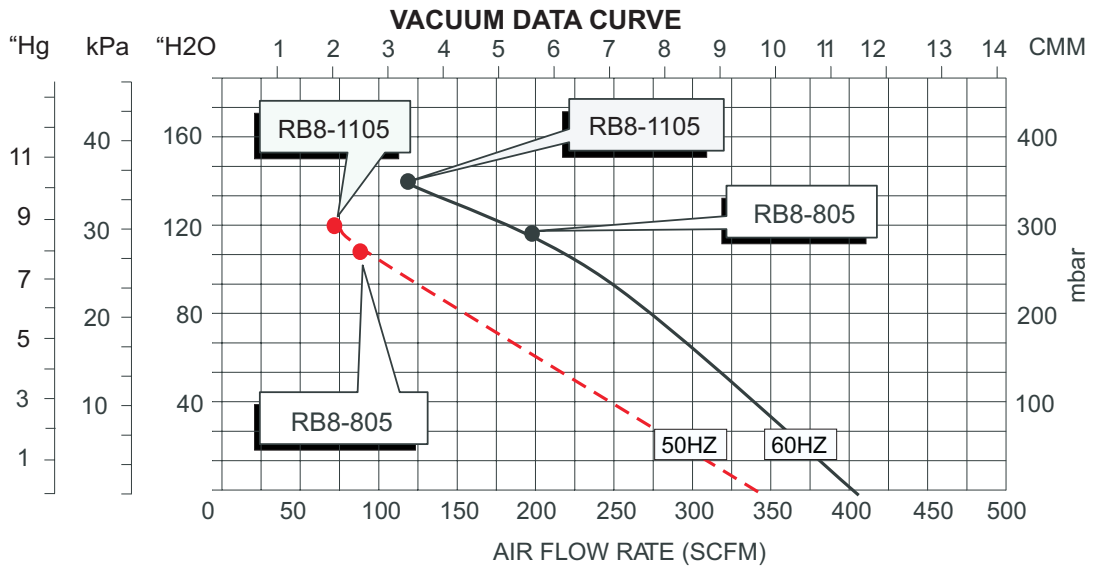
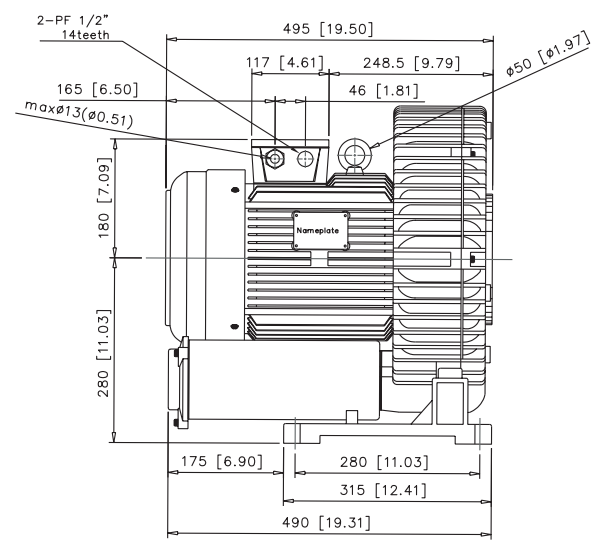
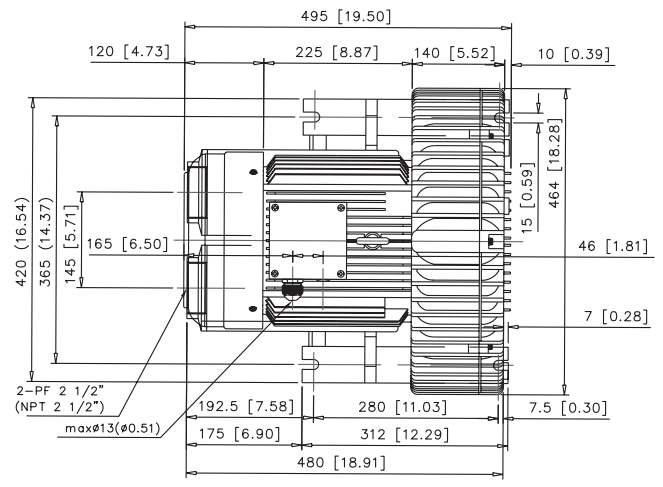
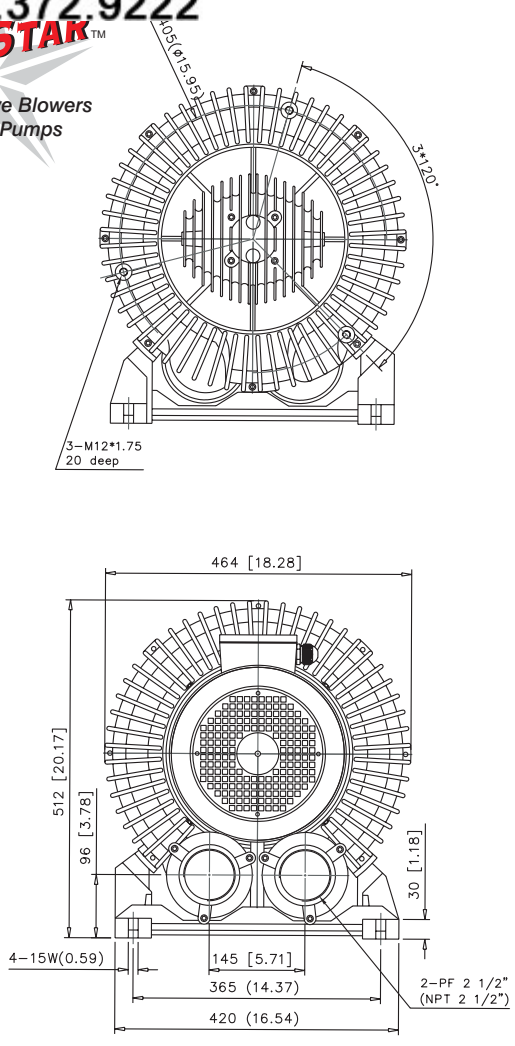
[See reverse side for Vacuum Curves]



1.630.372.9222

ALL STAR™

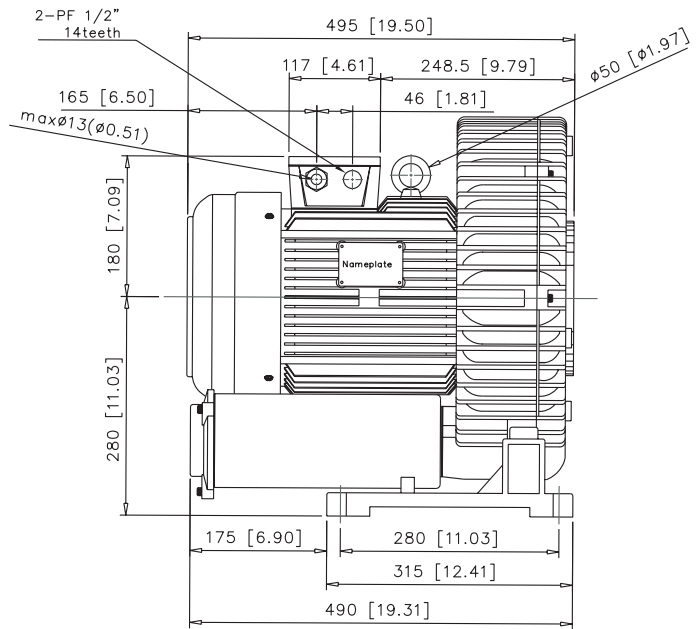
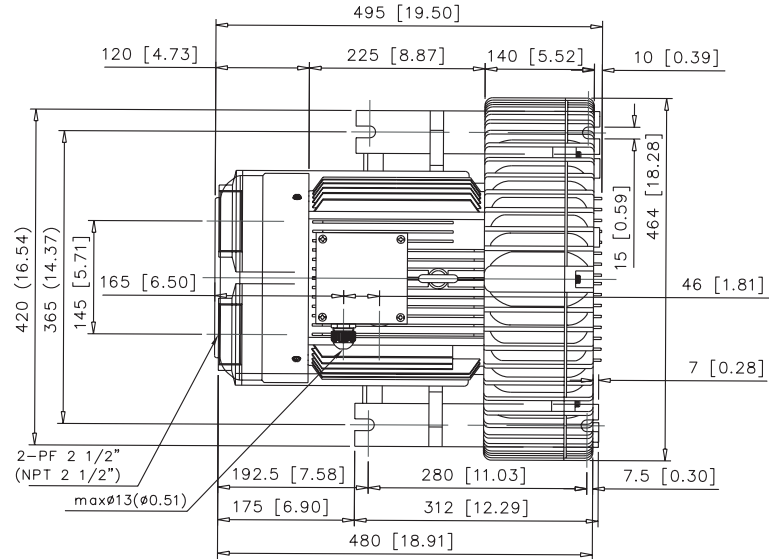
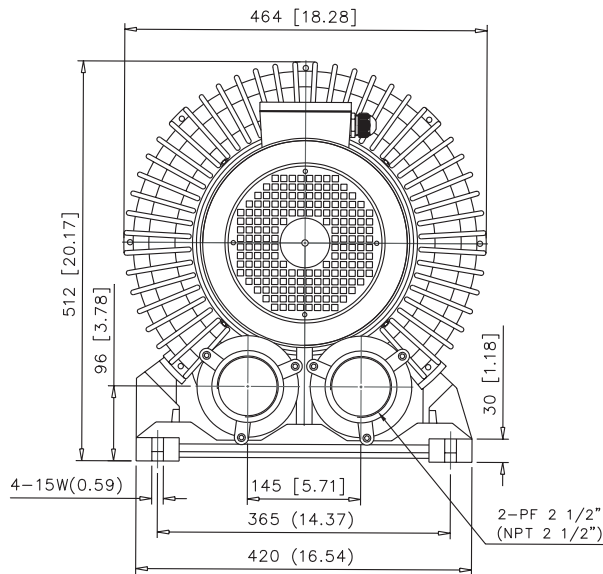
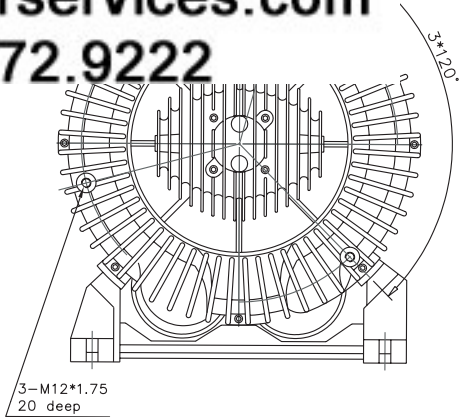
Regenerative Blowers
Vacuum Pumps



Air

Blower Services Inc.

www.airblowerservices.com
1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

REGENERATIVE BLOWER
Model RB8 Series

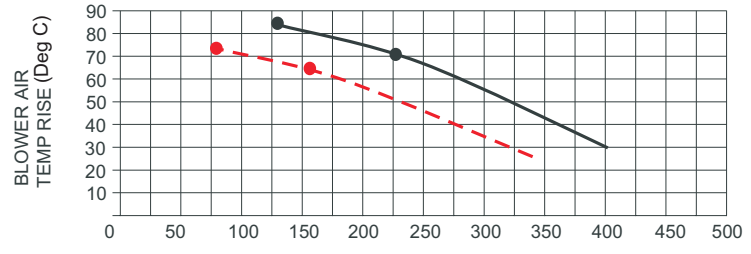
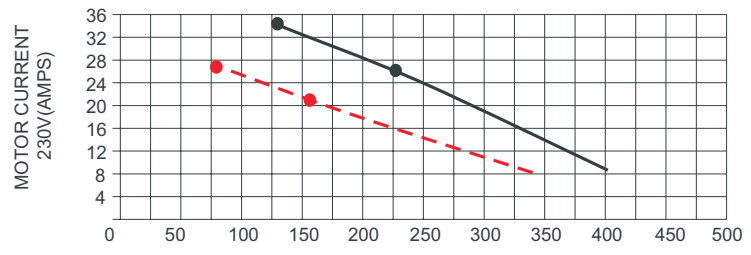
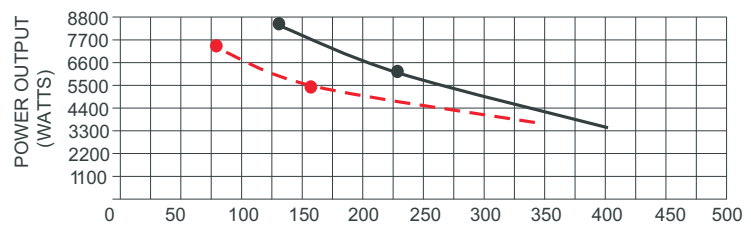
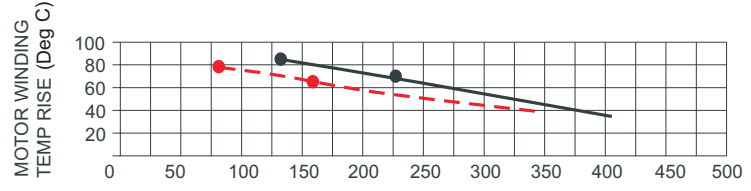
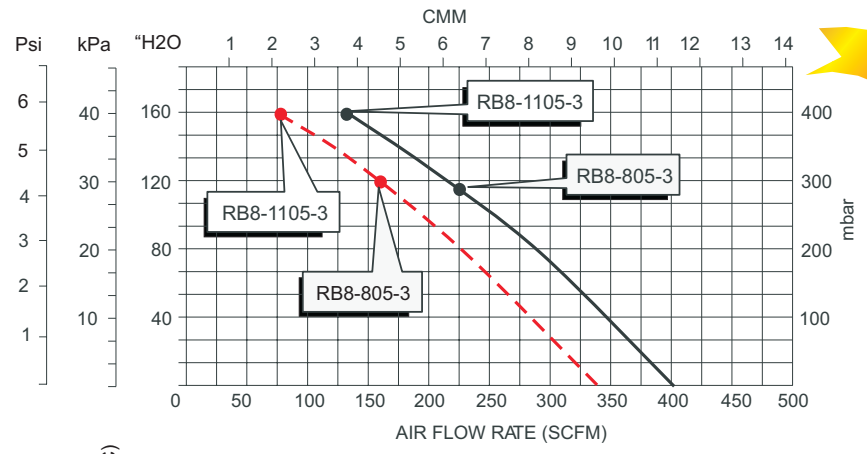
December 30, 2006

B8 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/m³, ±10 %variance.

November 2006

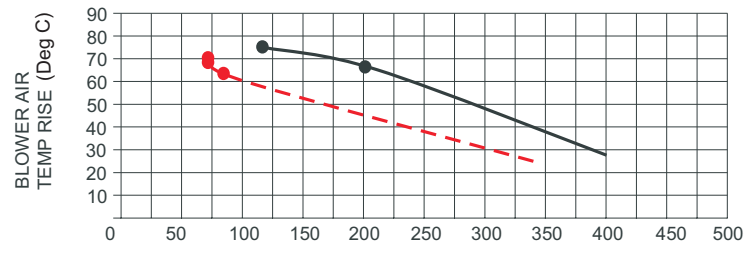
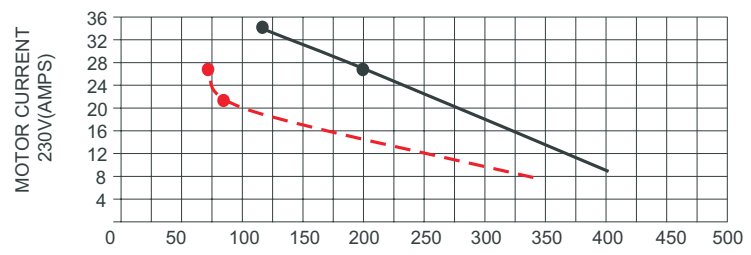
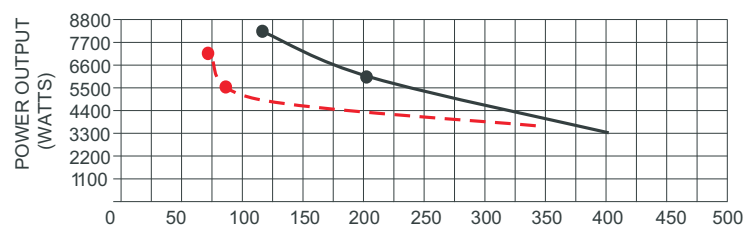
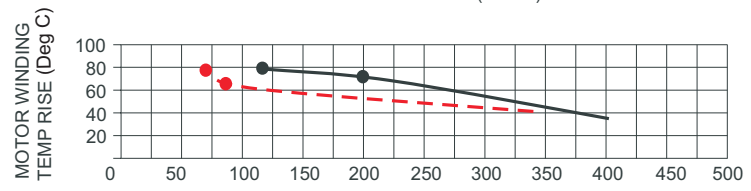
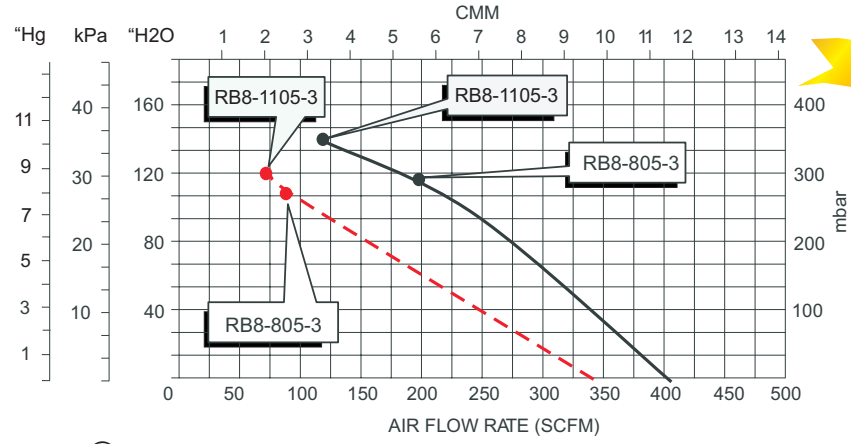


B8 Series - Vacuum - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



www.airblowerservices.com

1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps

Model	e	Hz	HP	kW	SCFM	Pressure		Vacuum		Noise Level	Net Weight	
						mbar	"H2O	mbar	"H2O		kg	lbs
RB9-15-3	3	60	15	11	850	190	76	190	76	81 db(A)	100	221
		50		10	700	202	81	209	80	76 db(A)	100	221
RB9-20-3	3	60	20	15	850	294	118	294	118	81 db(A)	112	247
		50		13	700	300	120	300	120	76 db(A)	112	247
RB9-30-3	3	60	30	22	850	430	173	375	151	81 db(A)	159	351
		50		20	700	445	179	350	141	76 db(A)	159	351

*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

RB9-15-3 replaces HB-919

RB9-20-3 replaces HB-929

RB9-30-3 replaced HB-939

REQUIRED ACCESSORIES

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

Pressure Relief Valve RV-02
Pressure Relief Valve RVA-02

Vacuum Relief Valve RV-02
Vacuum Relief Valve RVA-02

Pressure Intake Air Filter F245P-400
Vacuum Air Filter CSL-335P-400



TECHNICAL DATA

[Available online www.all-star-usa.com]

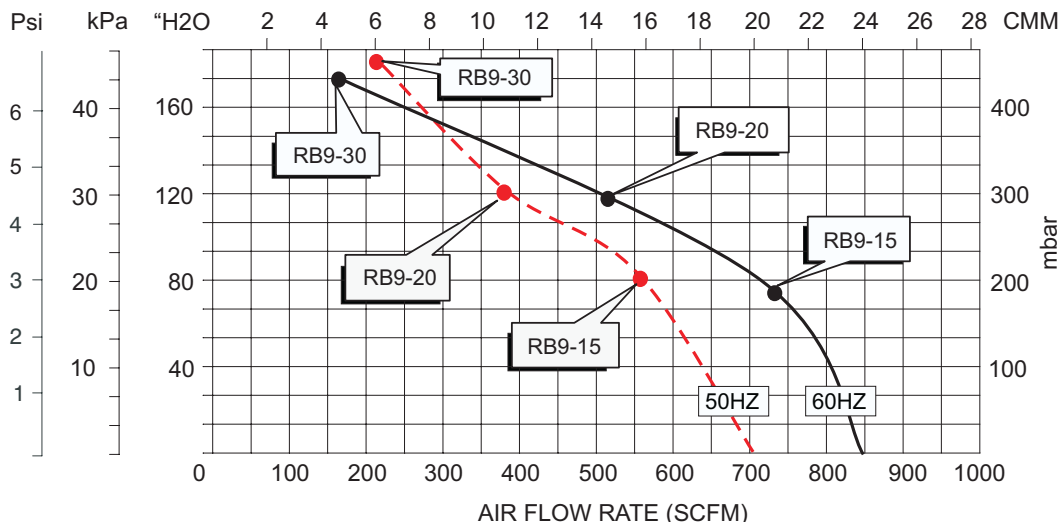
- Performance Temperature Rise Curves
- AutoCad files
- Parts List
- Full load amperage



RoHS Compliant

PRESSURE DATA CURVES ±10%

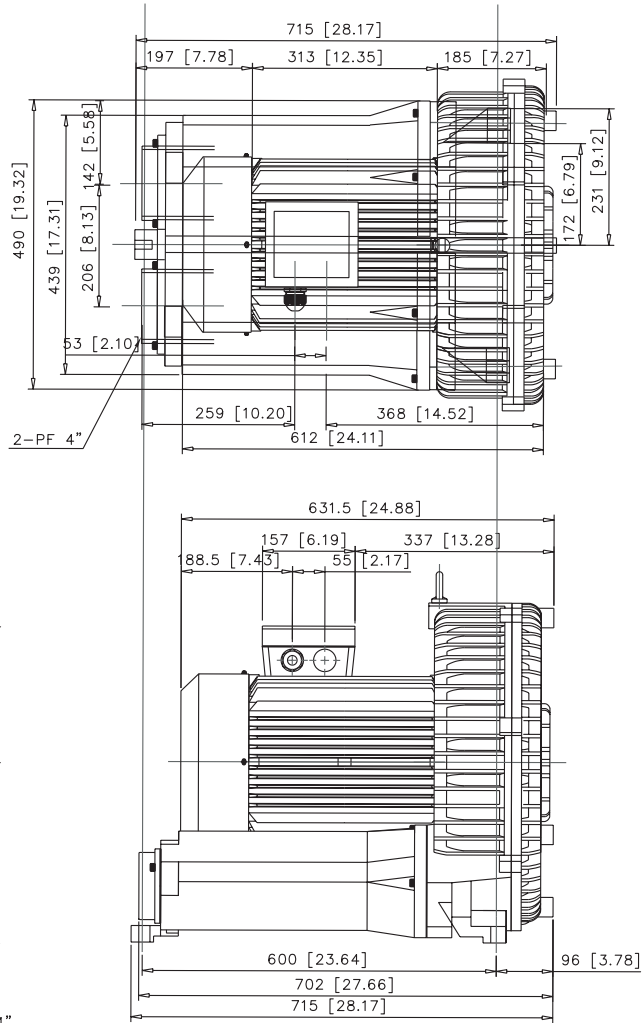
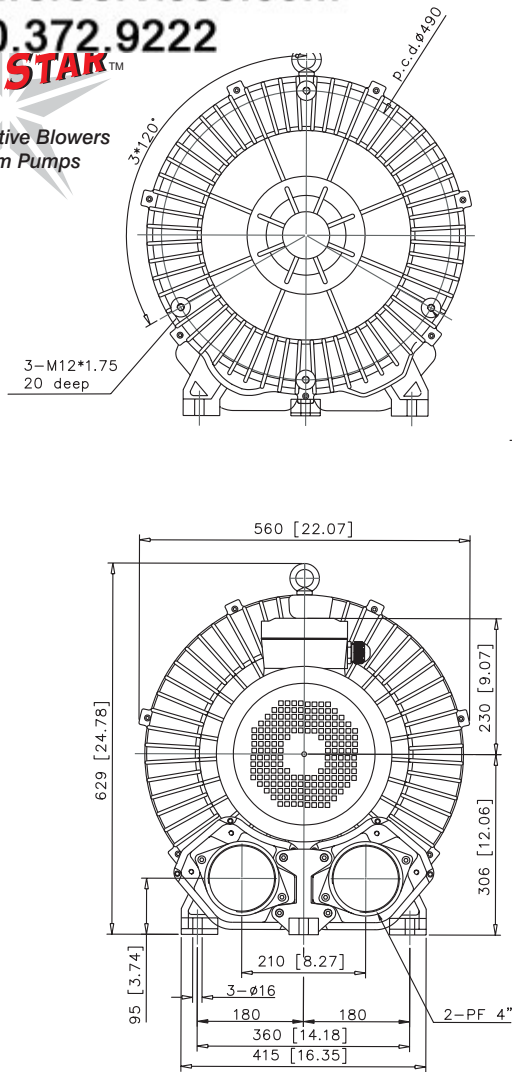
[See reverse side for Vacuum Curves]



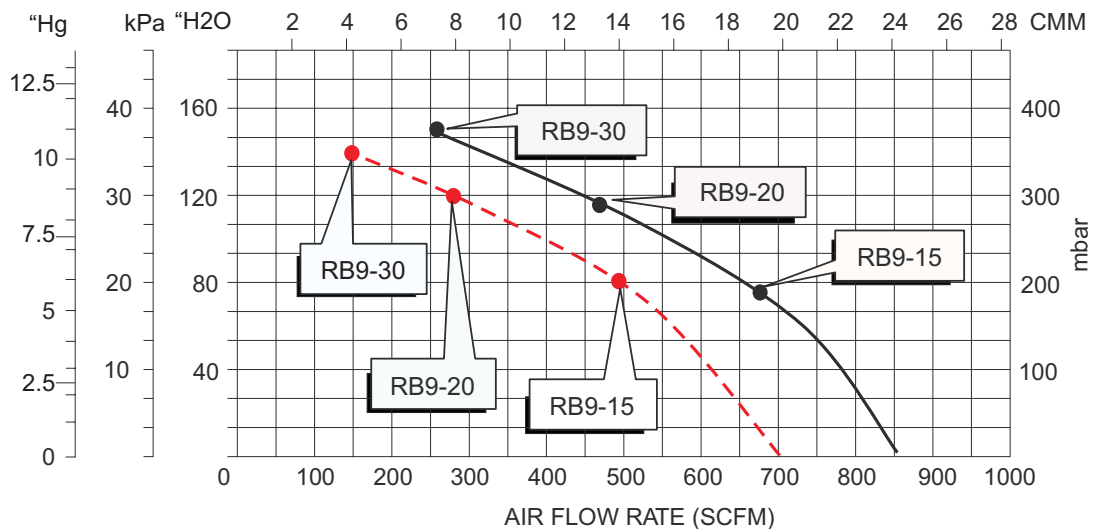
1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps



VACUUM DATA CURVE

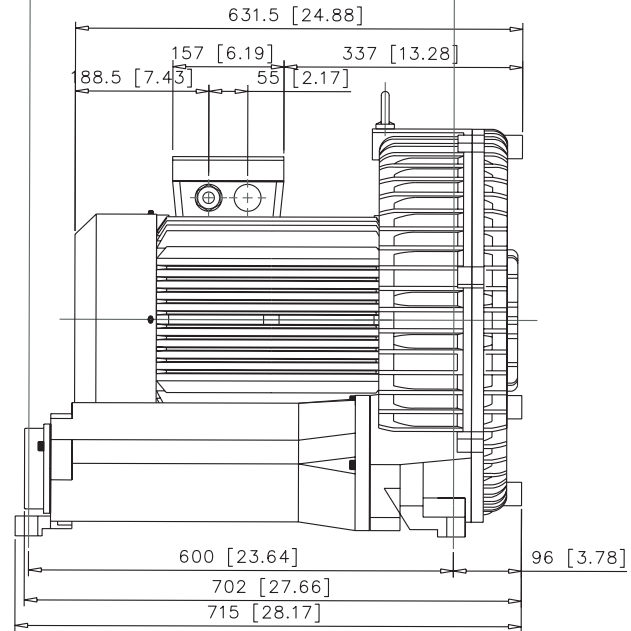
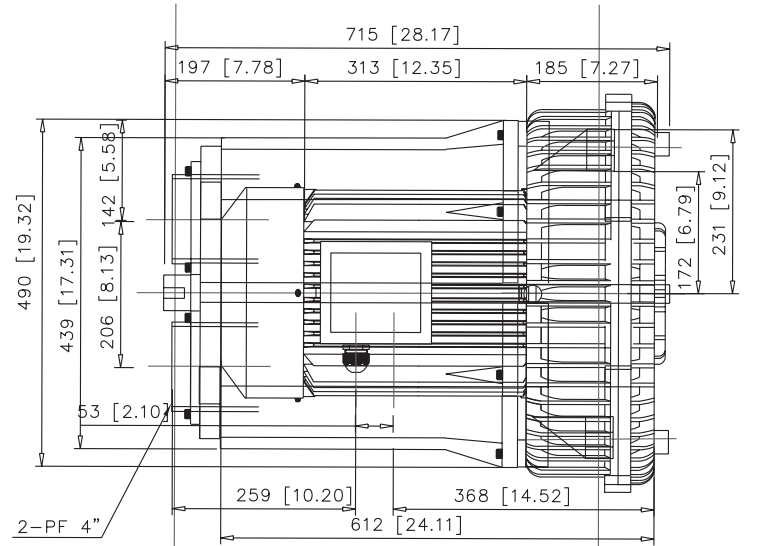
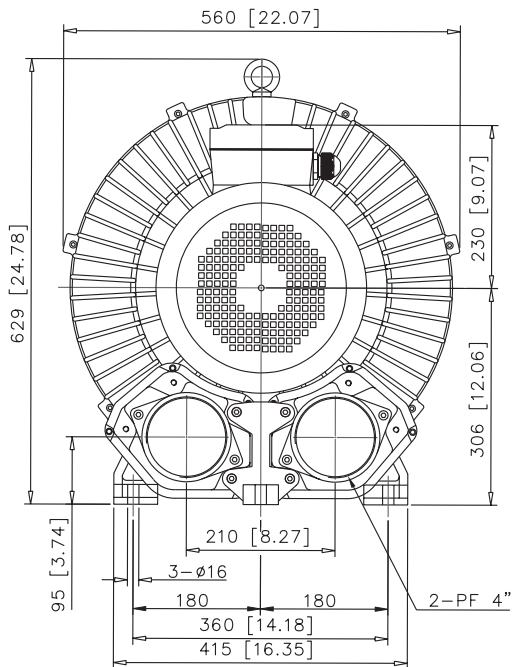
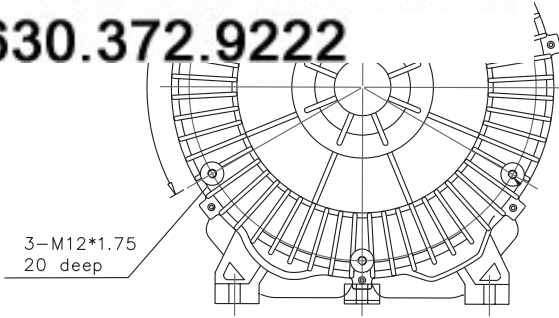


Air

Blower Services Inc.

www.airblowerservices.com

1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

REGENERATIVE BLOWER
Model RB9 Series

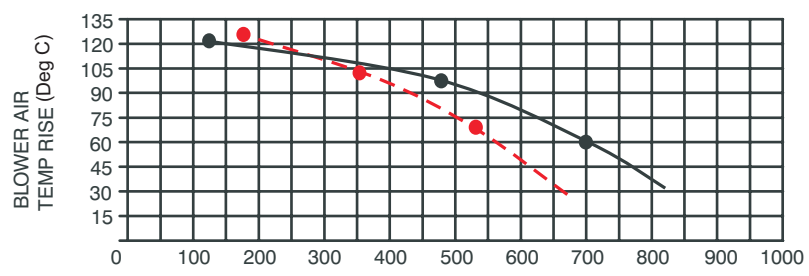
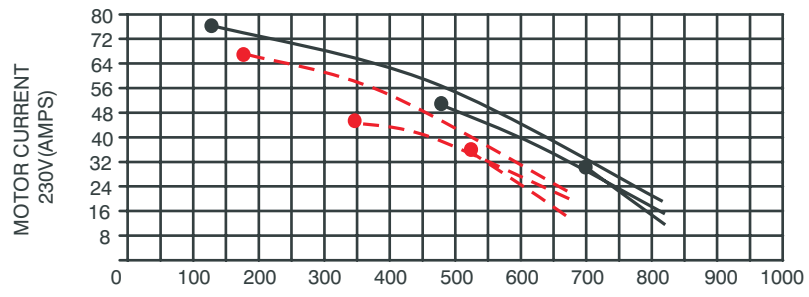
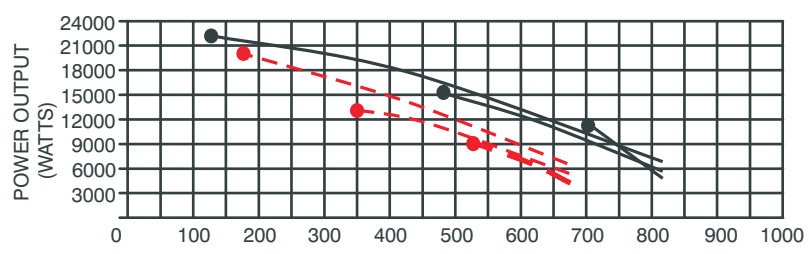
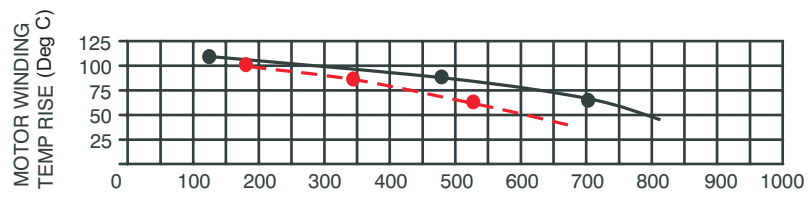
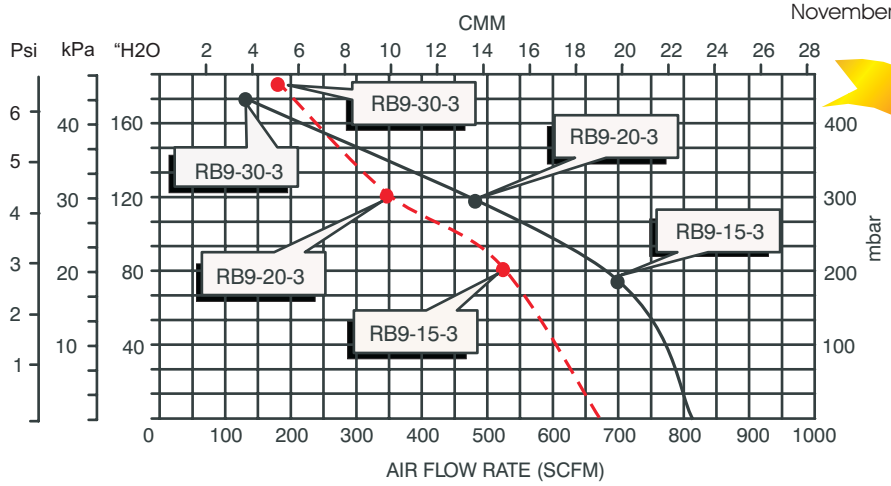
December 30, 2006

B9 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/m³, ±10 %variance.

November 2006

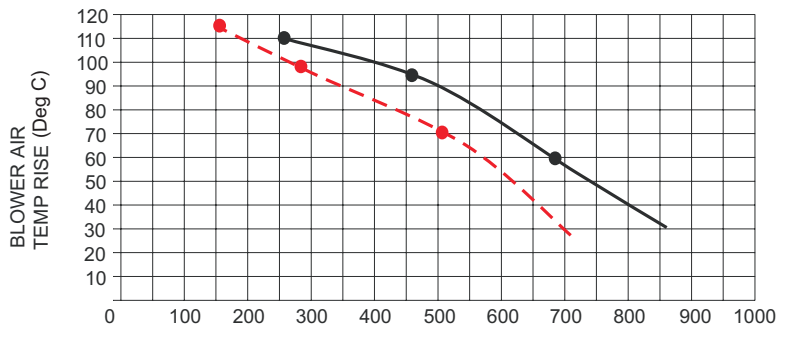
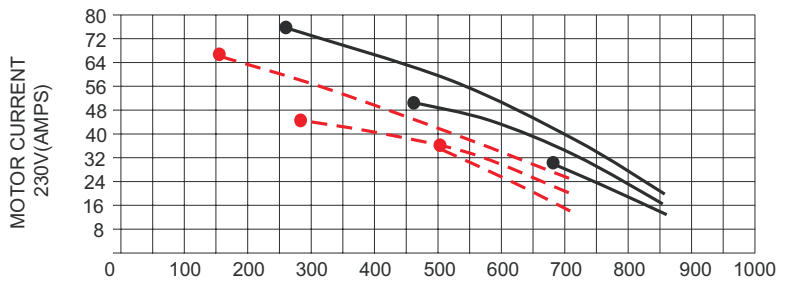
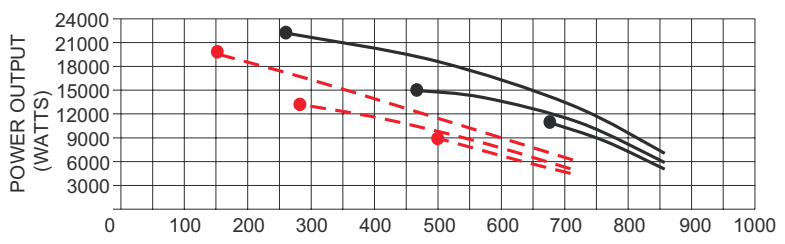
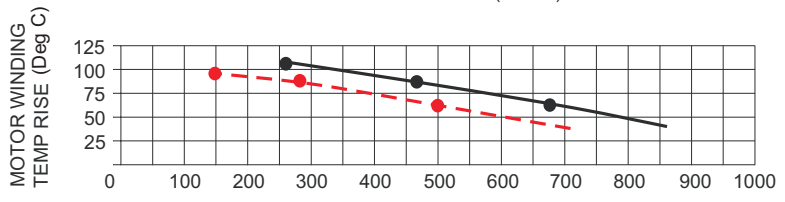
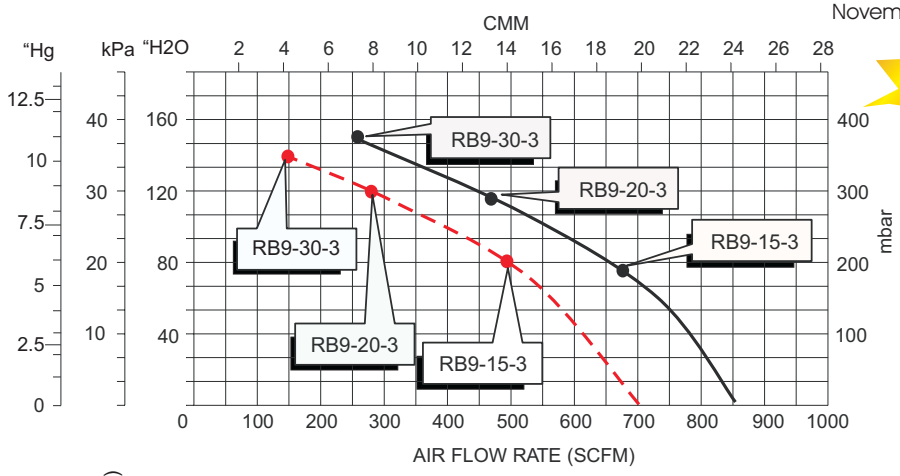


B9 Series - Vacuum - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



www.airblowerservices.com

1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps

	Age	Hz	HP	kW	SCFM	Pressure		Vacuum		Noise Level	Net Weight	
						mbar	"H2O	mbar	"H2O		kg	lbs
RB23-101-1	1	60	1.1	.85	67	250	100	245	98	66 db(A)	23	51
RB23-101-3	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 repases HB-2308-1

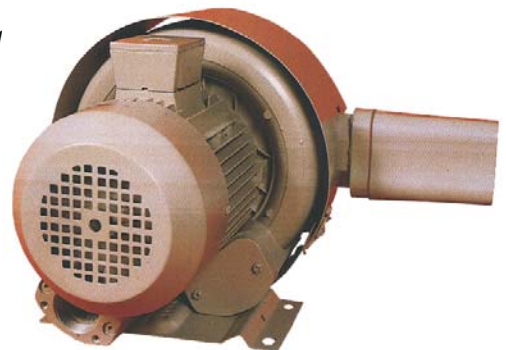
ACCESSORIES

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

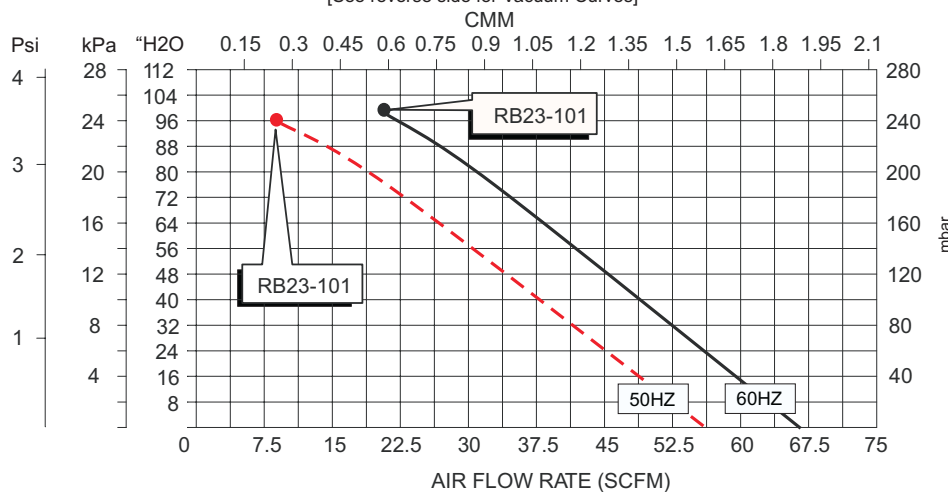
- [Available online www.all-star-usa.com]
- Performance Temperature Rise Curves
- AutoCad files
- Parts List
- Full load amperage



RoHS
Compliant

PRESSURE DATA CURVES ±10%

[See reverse side for Vacuum Curves]

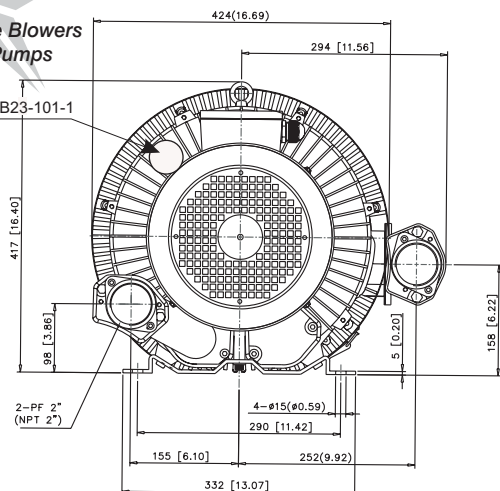


1.630.372.9222

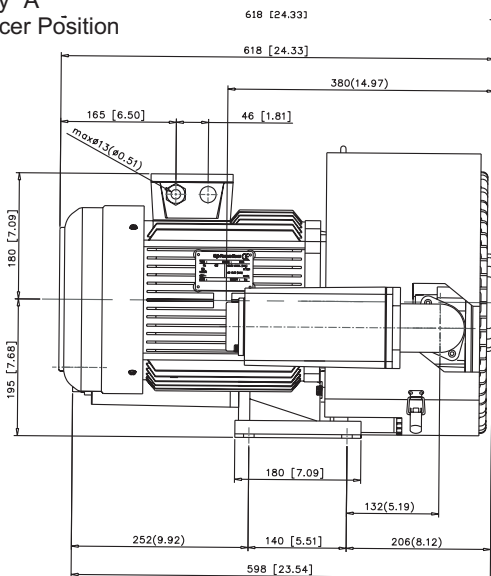
ALL STAR™

Regenerative Blowers
Vacuum Pumps

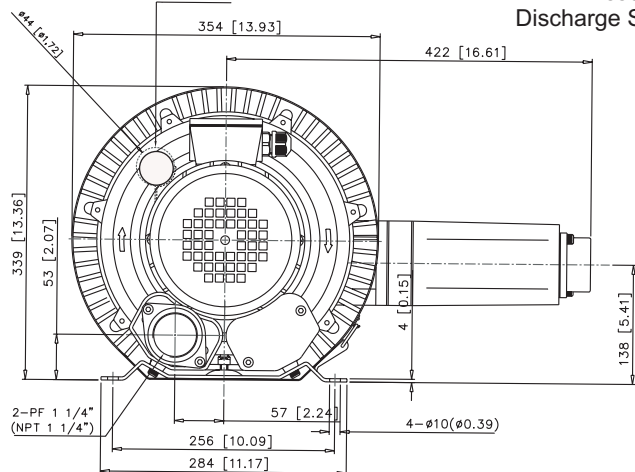
Capacitor for RB23-101-1



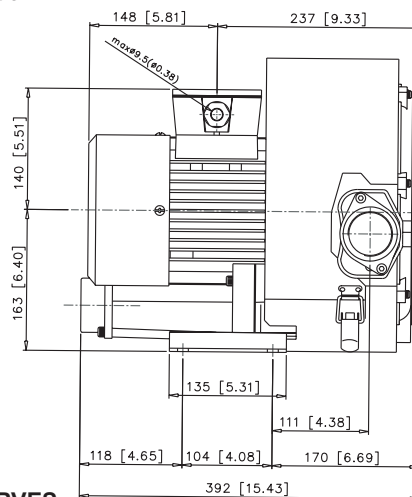
Assembly "A"
Discharge Silencer Position



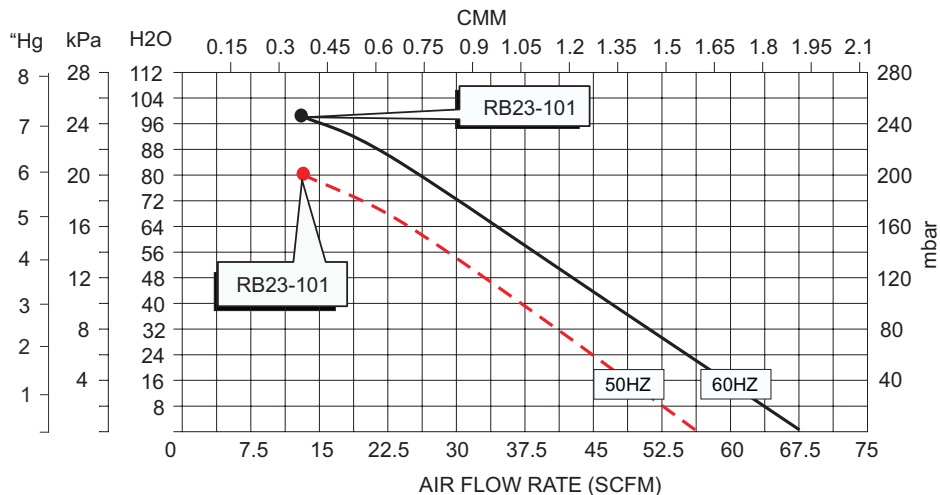
Capacitor for RB23-101-1



Assembly "B"
Discharge Silencer Position



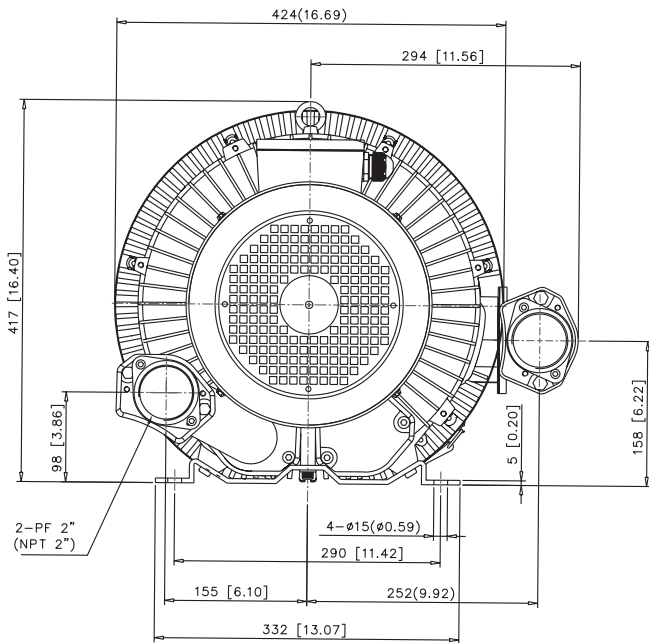
VACUUM DATA CURVES



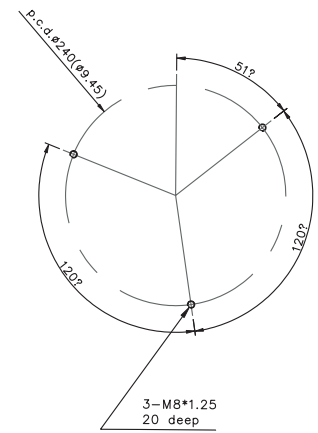
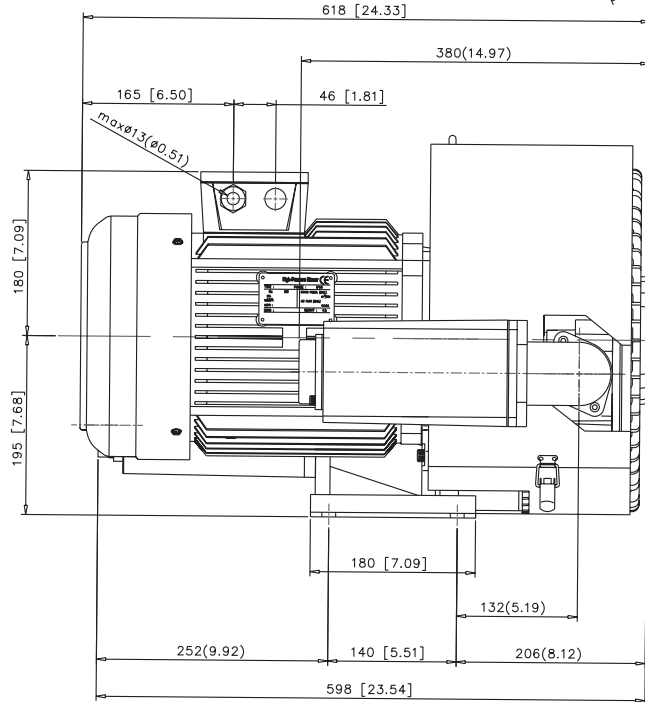
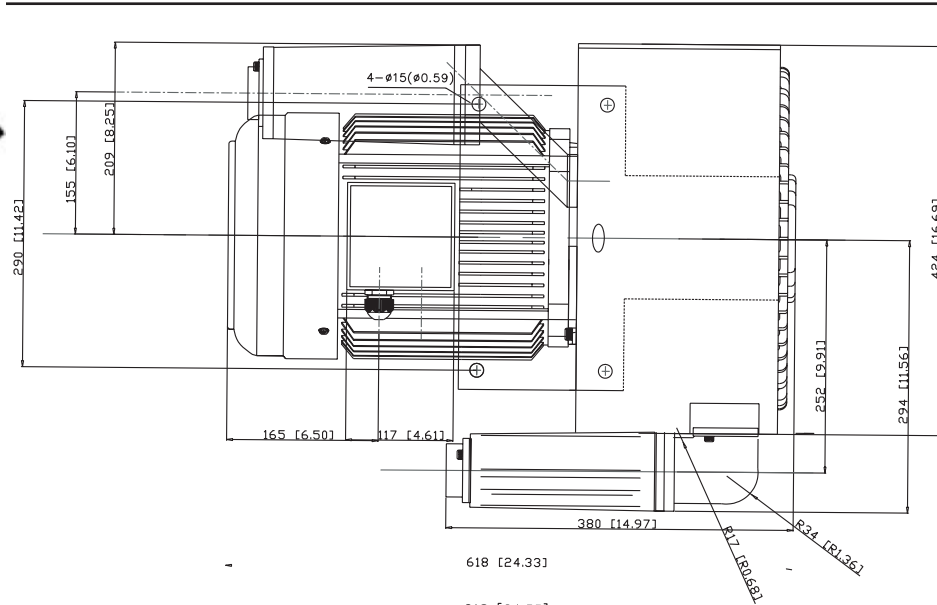
Air

Blower Services Inc.

www.airblowerservices.com
1.630.372.9222



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

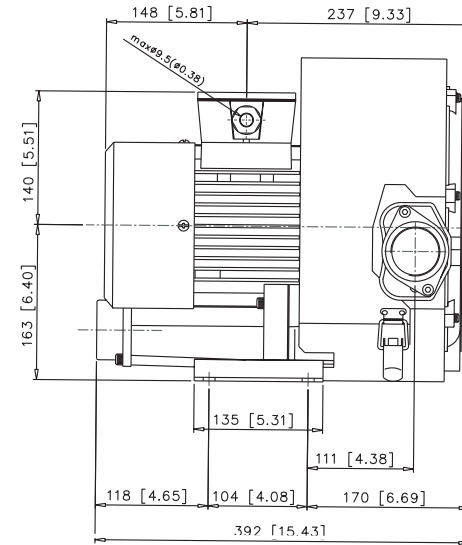
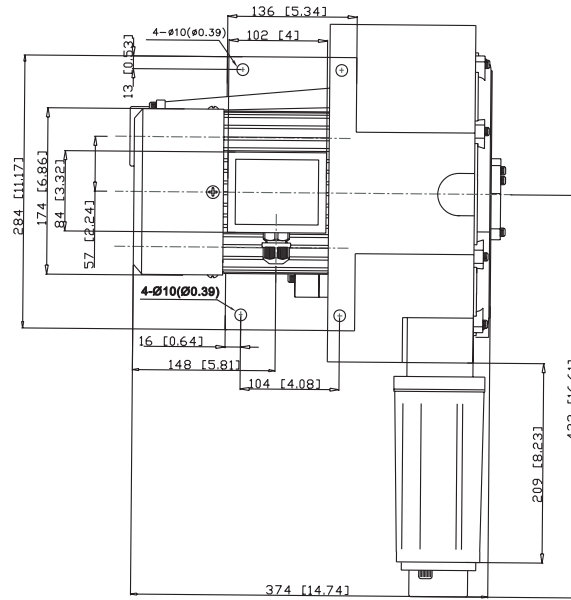
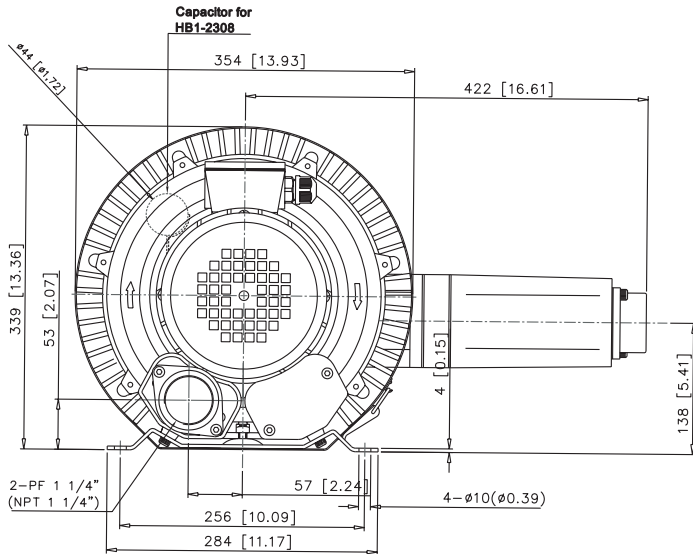
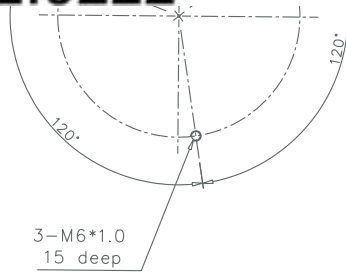
December 30, 2006

Air

Blower Services Inc.

www.airblowerservices.com

1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

Model RB23 Series, Assembly B
Regenerative Blower/Vacuum Pump

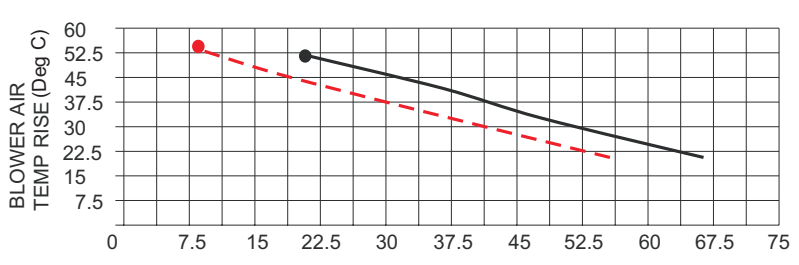
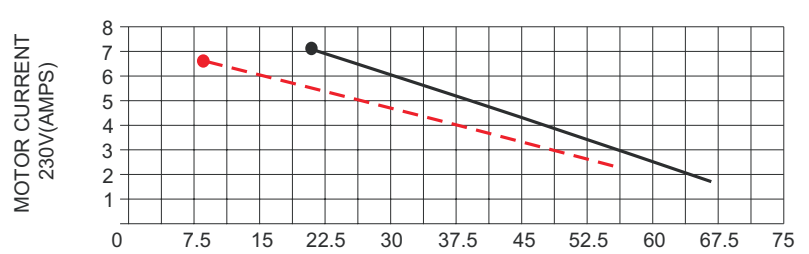
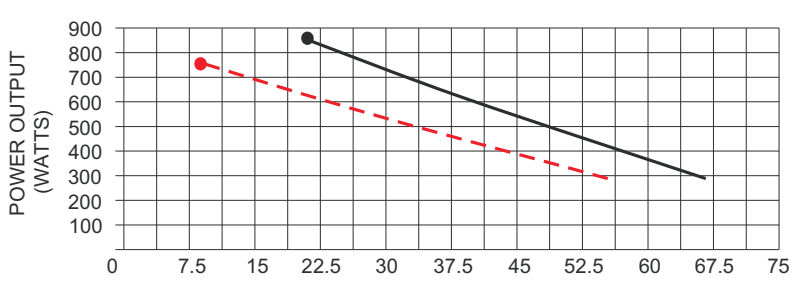
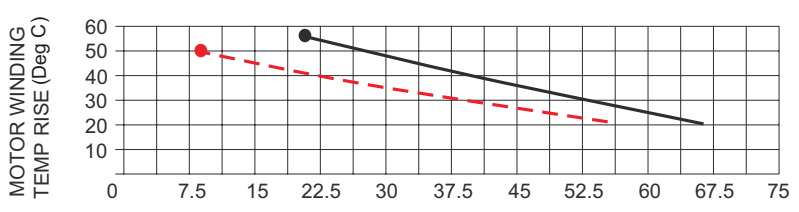
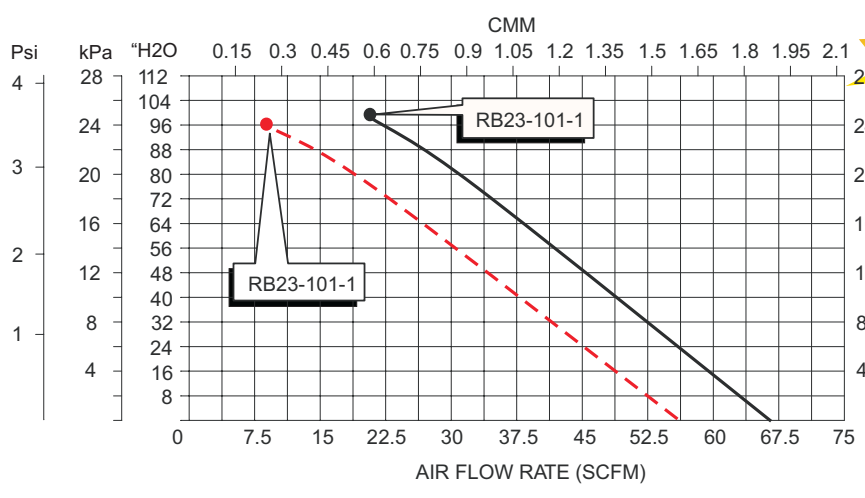
December 30, 2006

B23 Series - Pressure - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

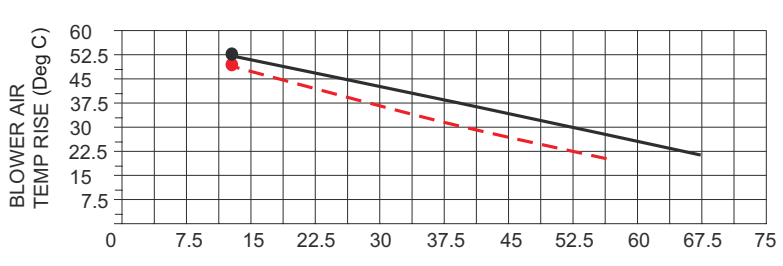
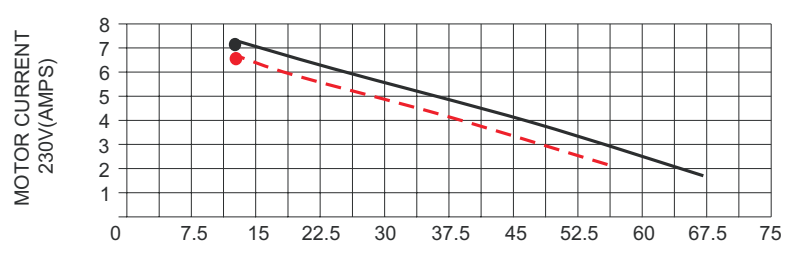
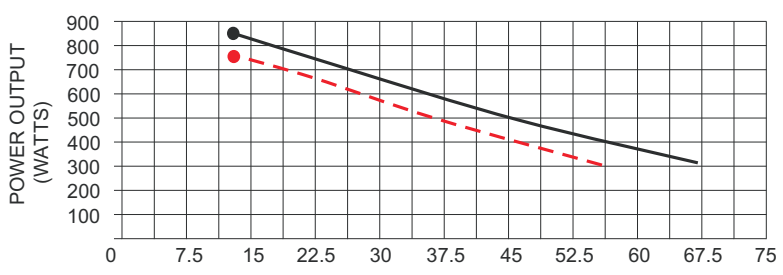
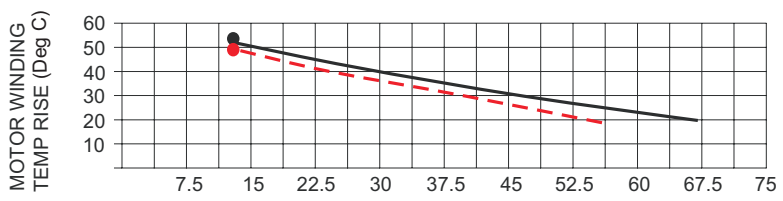
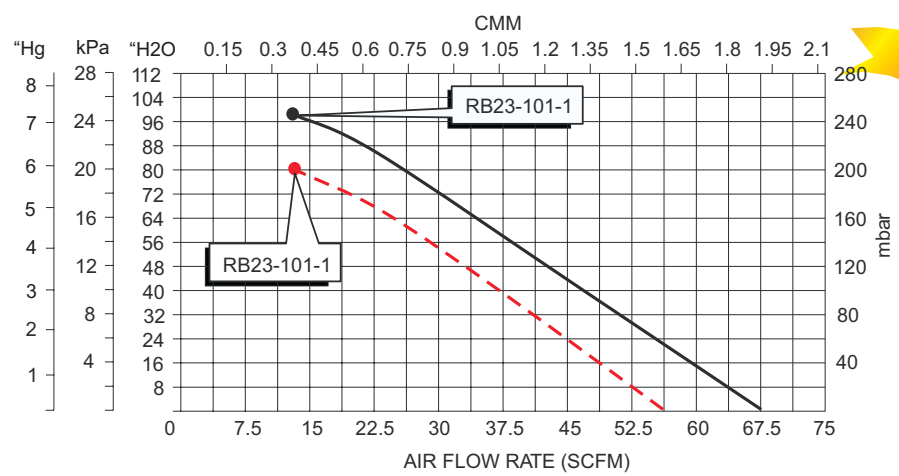


B23 Series - Vacuum - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

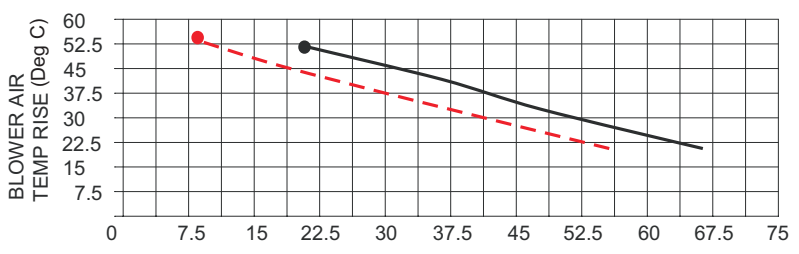
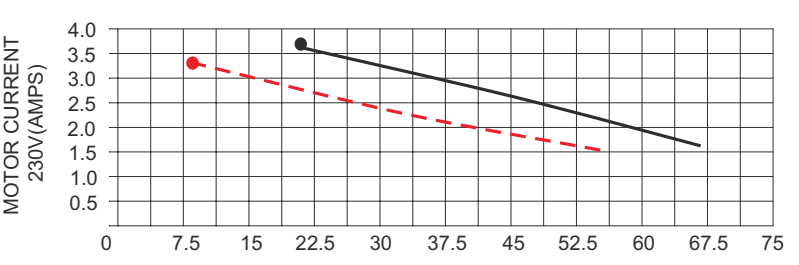
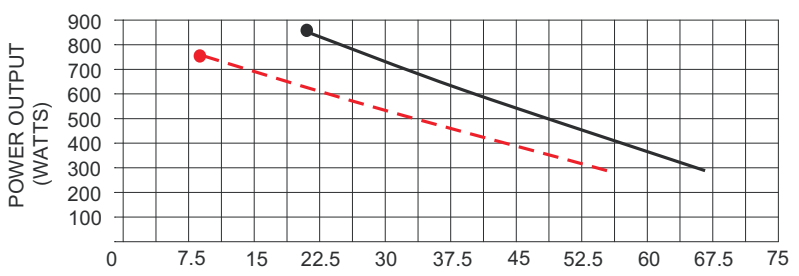
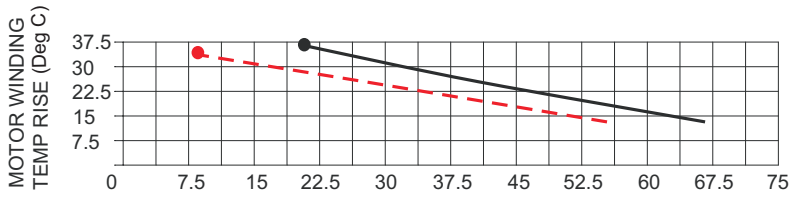
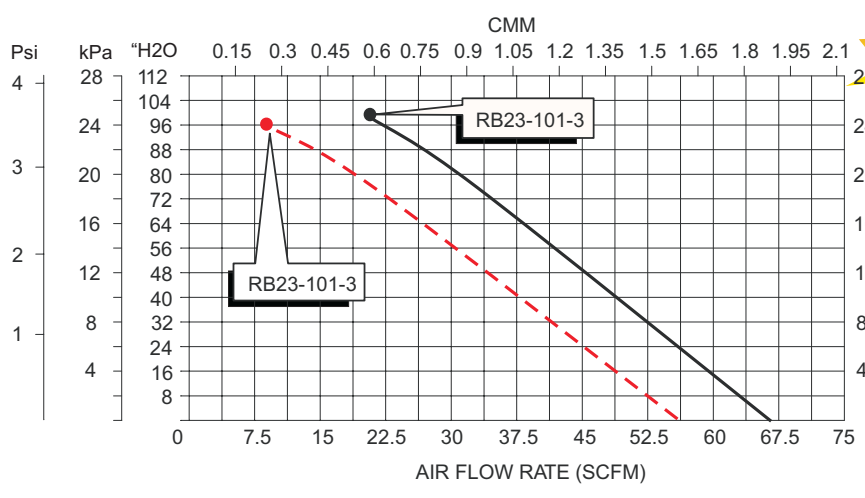


B23 Series - Pressure - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

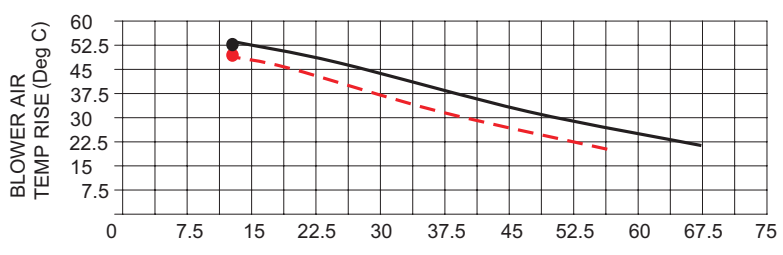
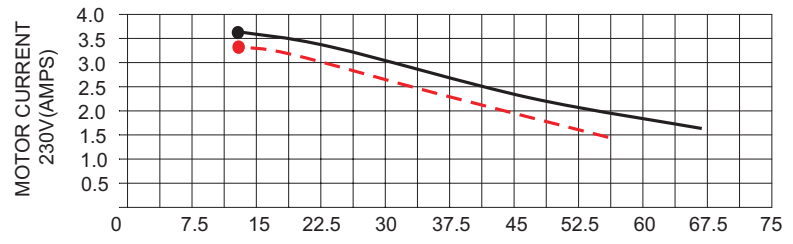
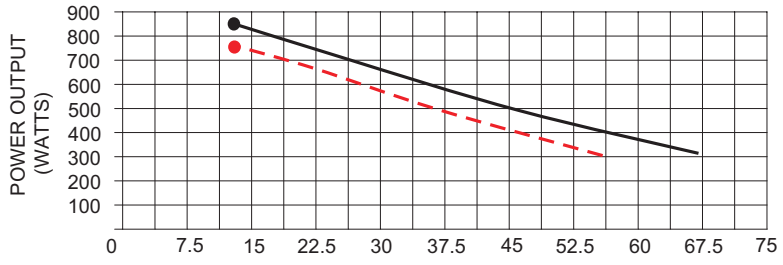
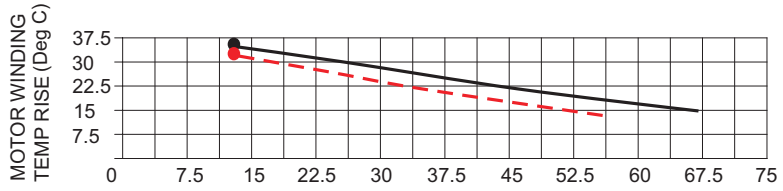
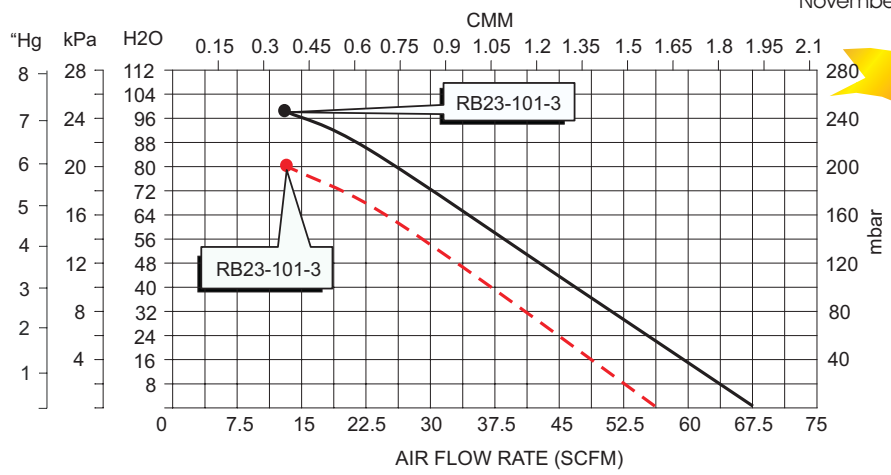
November 2006



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/m³, ±10 %variance.

November 2006





	ge	Hz	HP	kW	SCFM	Pressure mbar	"H2O	Vacuum mbar	"H2O	Noise Level	Net Weight kg	lbs
RB33-2-2	2	▶ 60	2	1.5	105	249	100	233	94	69 db(A)	28	62
		50		1.3	92	264	106	230	92	66 db(A)	28	62
RB33-205-2	2	▶ 60	2.5	1.9	105	294	118	298	120	69 db(A)	30	66
RB33-205-3	3	▶ 50		1.75	92	280	112	270	108	66 db(A)	30	66
RB33-305-3	3	▶ 60	3.5	2.7	105	350	141	350	141	69 db(A)	33	73
		50		2.2	92	295	118	380	153	66 db(A)	33	73

*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

RB33-205-3 replaces HB-3319
RB33-305-3 replaces HB-3326

1/60/115/230 & 1/50/220

RB33-2-2 replaces HB-3315-1
RB33-205-2 replaces HB-3319-1



ACCESSORIES

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

Pressure Relief Valve RV-02
Pressure Relief Valve RVA-02

Vacuum Relief Valve RV-02
Vacuum Relief Valve RVA-02

Pressure Intake Air Filter F19P-150
Vacuum Air Filter CSL-849-150HC

TECHNICAL DATA

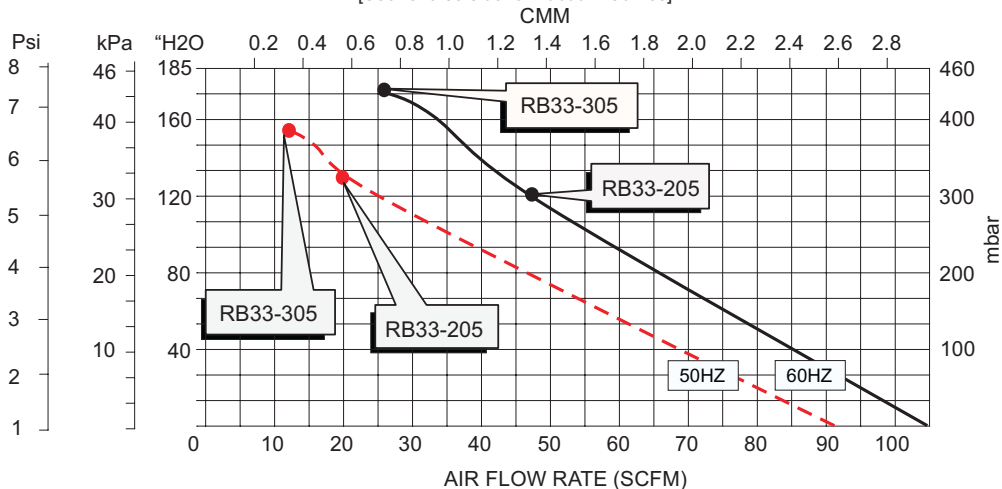
- [Available online www.all-star-usa.com]
- Performance Temperature Rise Curves
- AutoCad files
- Parts List
- Full load amperage



RoHS Compliant

PRESSURE DATA CURVES ±10%

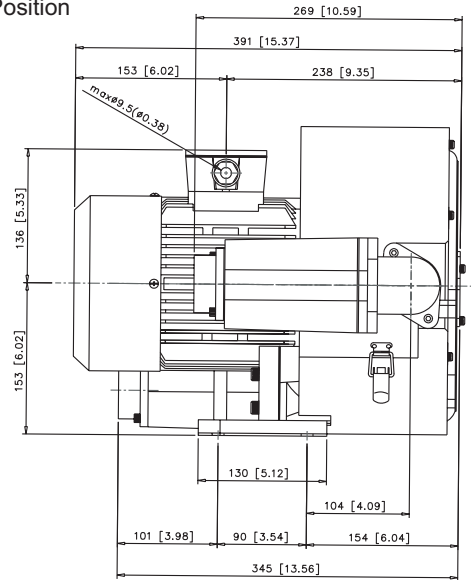
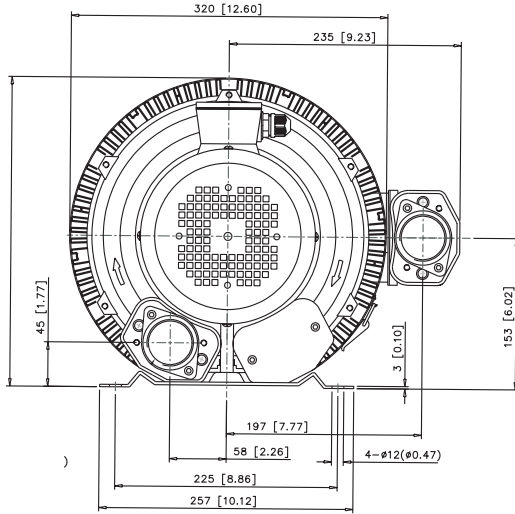
[See reverse side for Vacuum Curves]



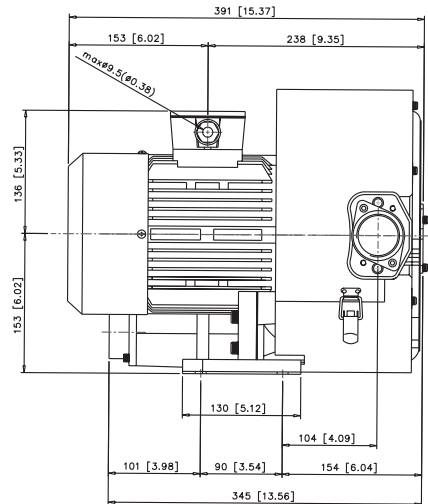
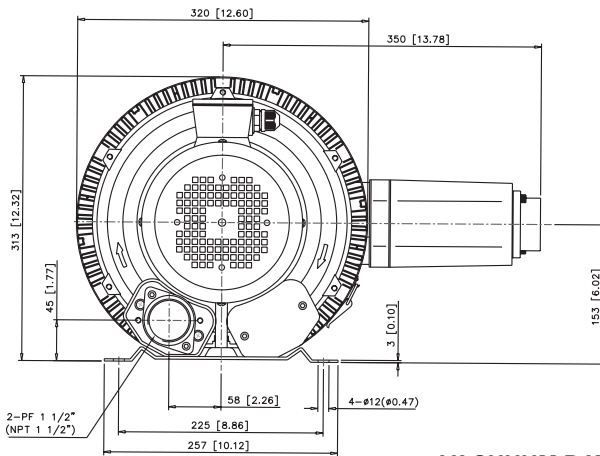
1.630.372.9222

ALL STAR™
Regenerative Blowers
Vacuum Pumps

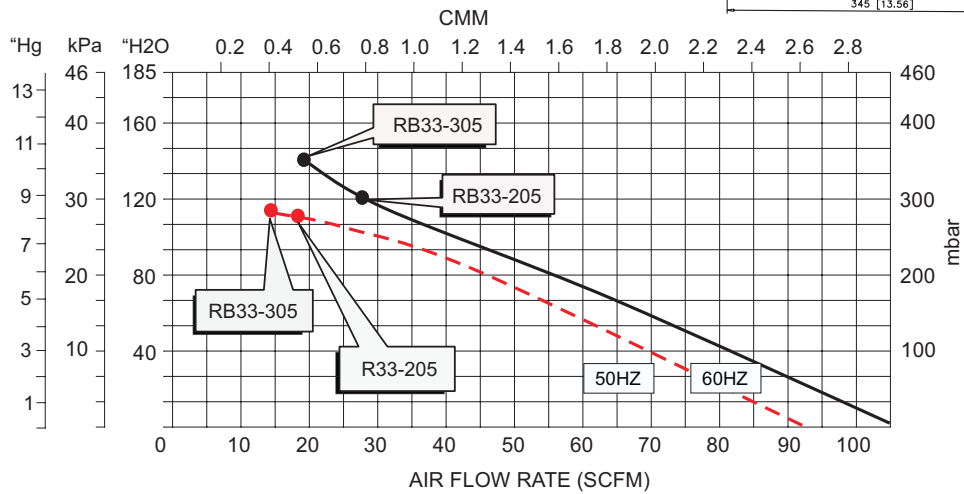
Assembly "A"
Discharge Silencer Position



Assembly "B"
Discharge Silencer Position



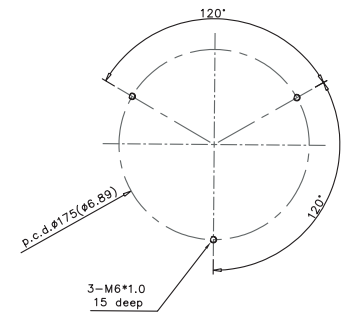
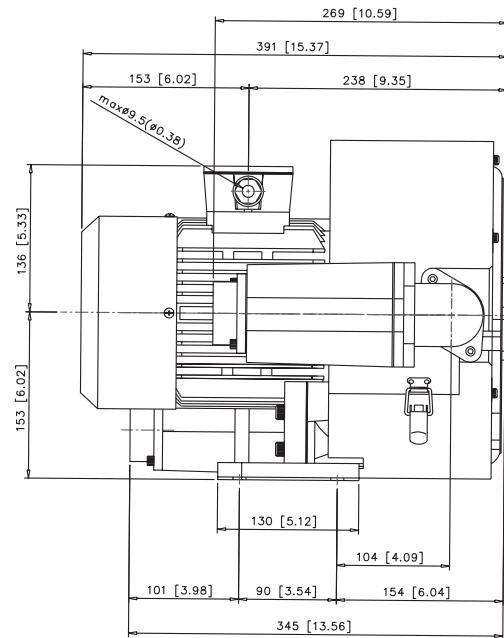
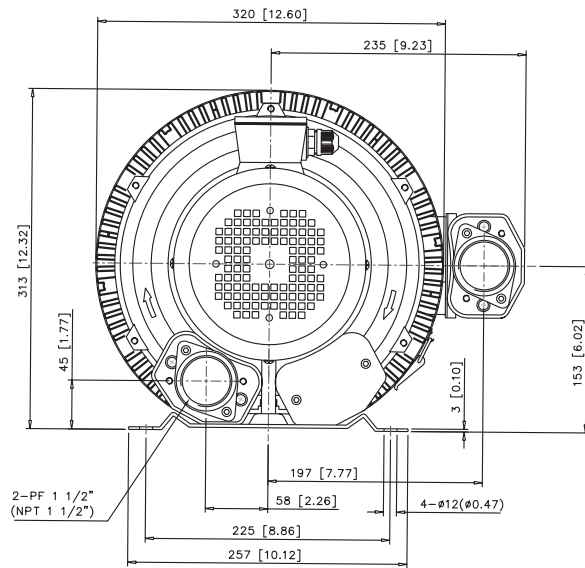
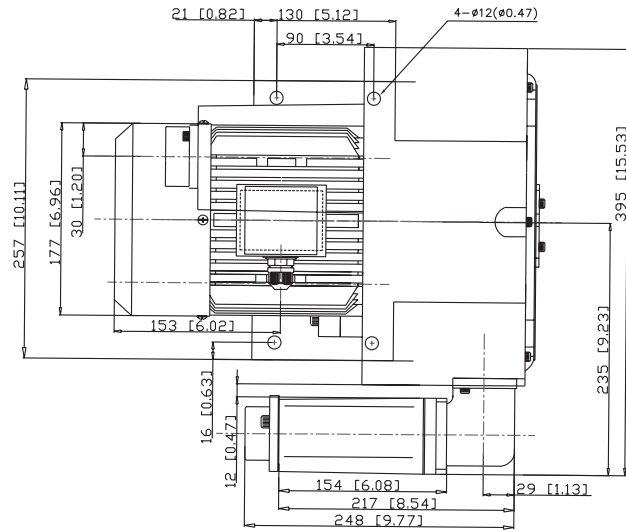
VACUUM DATA CURVES



Air

Blower Services Inc.

www.airblowerservices.com
1.630.372.9222



Note:
mm/inches
Subject to change without notice.

ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

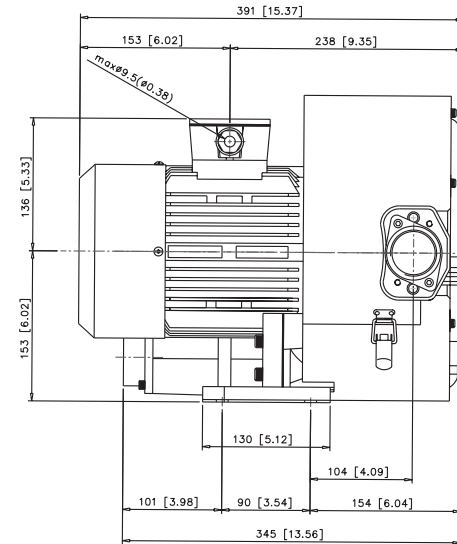
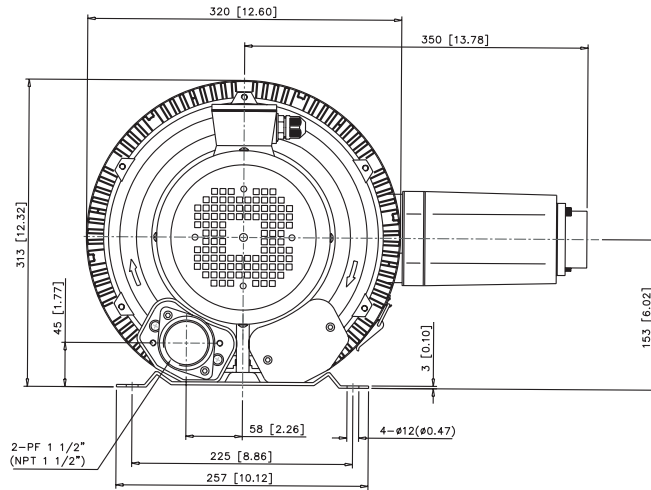
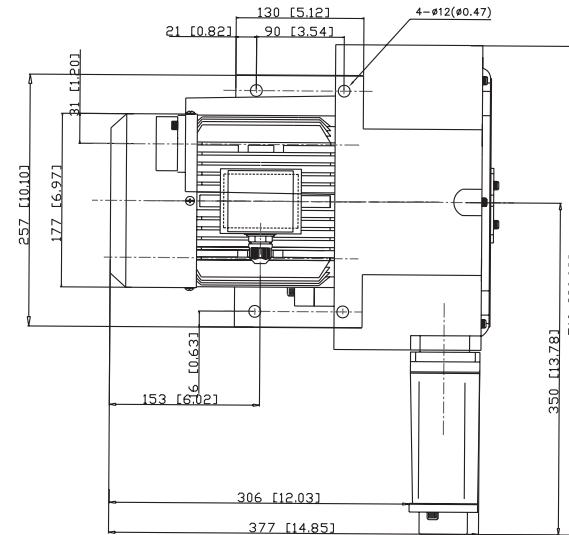
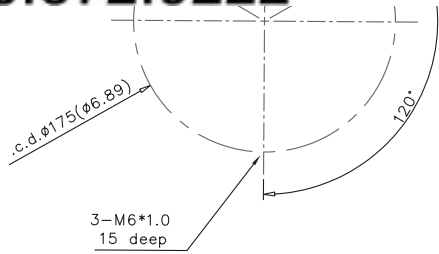
Model RB33 Series, Assembly A
Regenerative Blower/Vacuum Pump

December 30, 2006

Air

Blower Services Inc.

www.airblowerservices.com
1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

Model RB33 Series, Assembly B
Regenerative Blower/Vacuum Pump

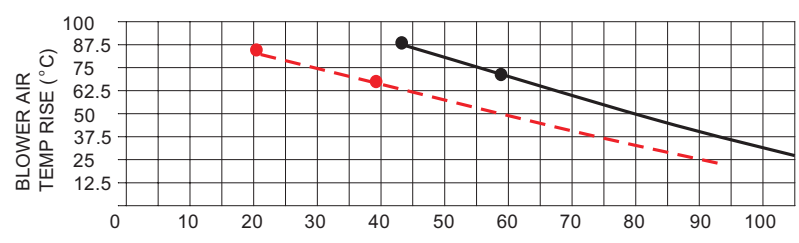
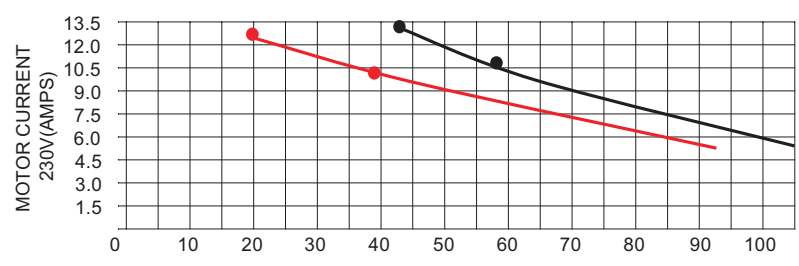
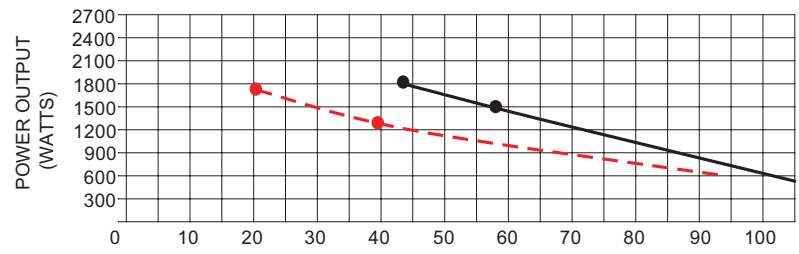
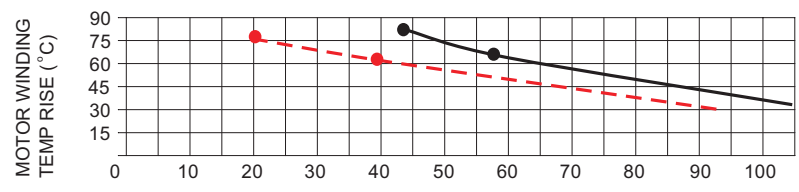
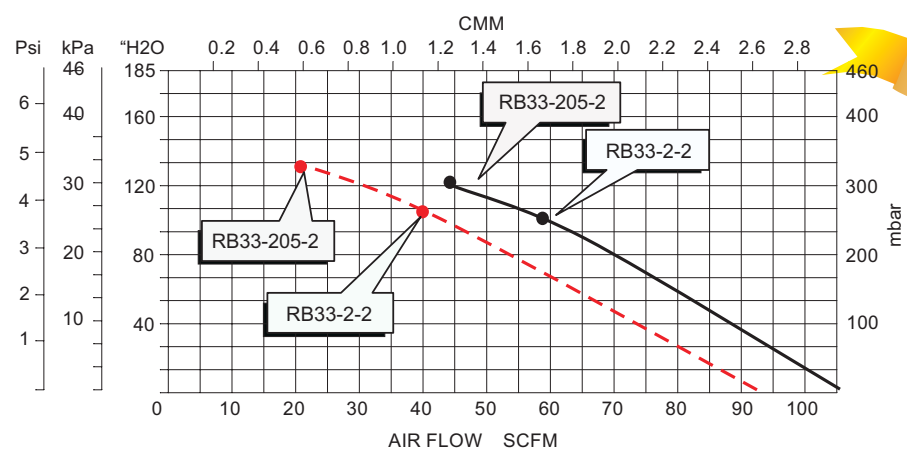
December 30, 2006

B33 Series - Pressure - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

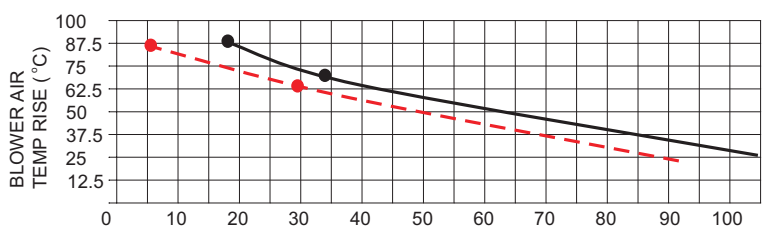
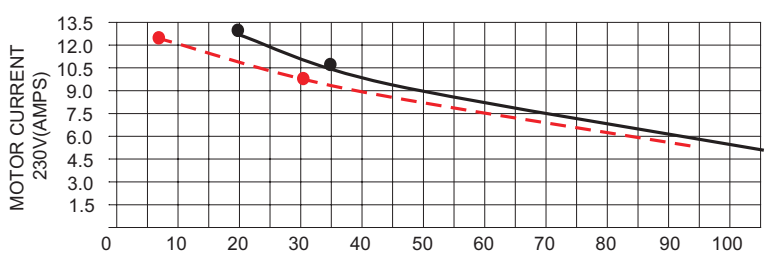
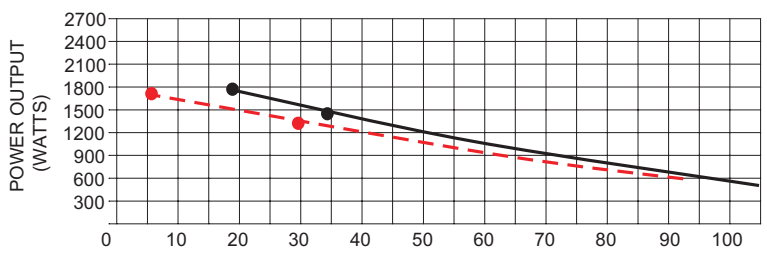
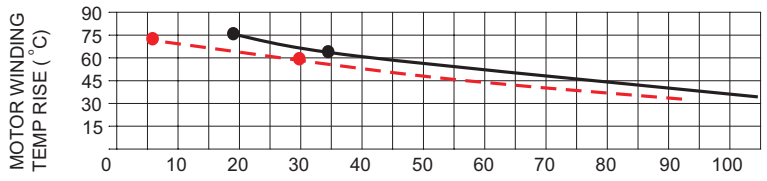
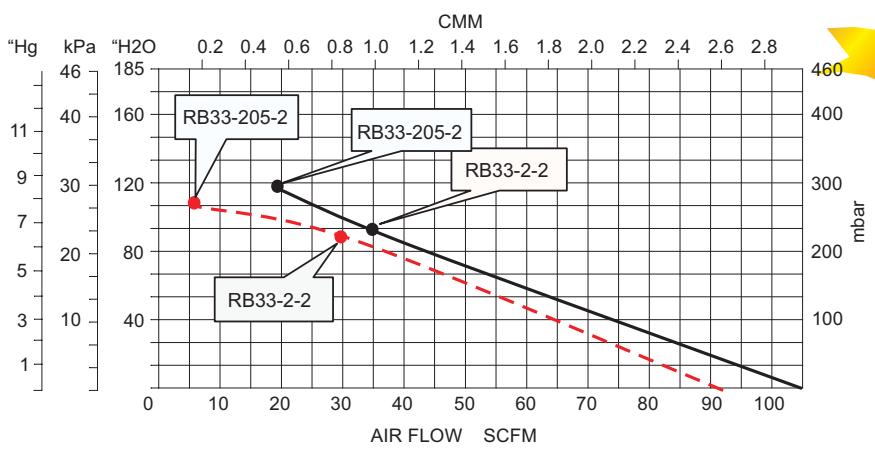


B33 Series - Vacuum - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

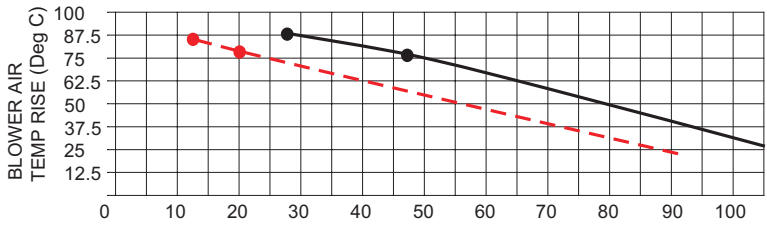
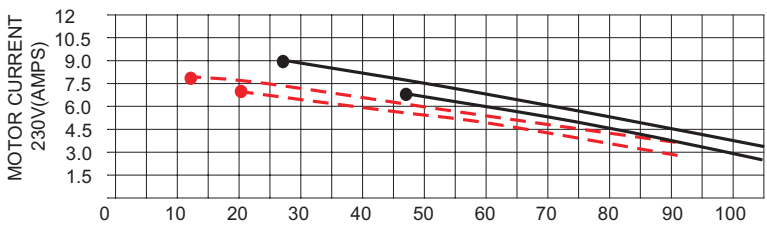
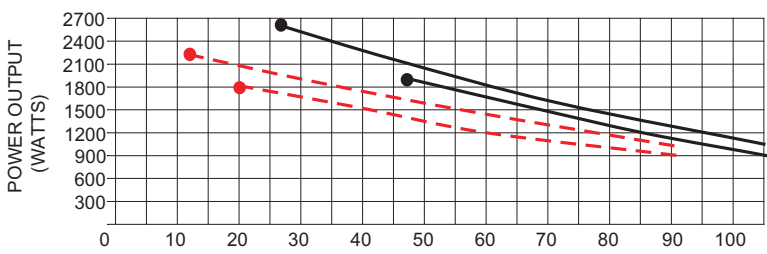
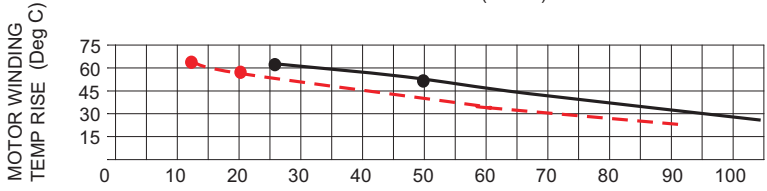
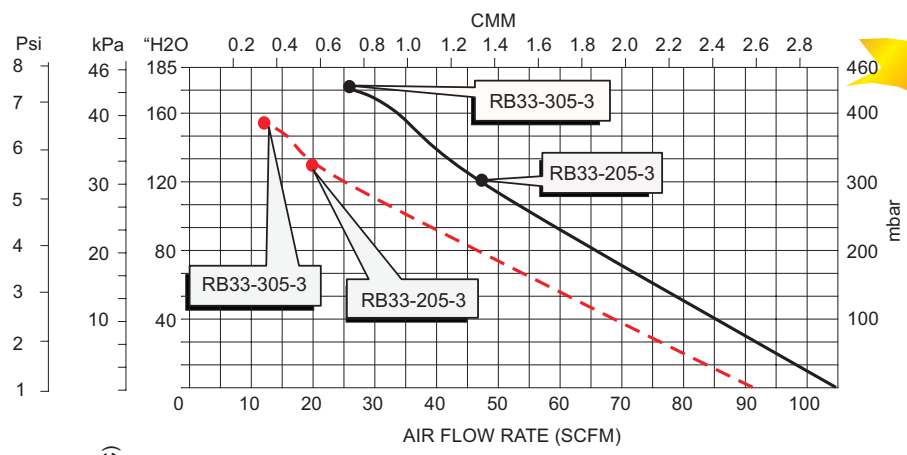


B33 Series - Pressure - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

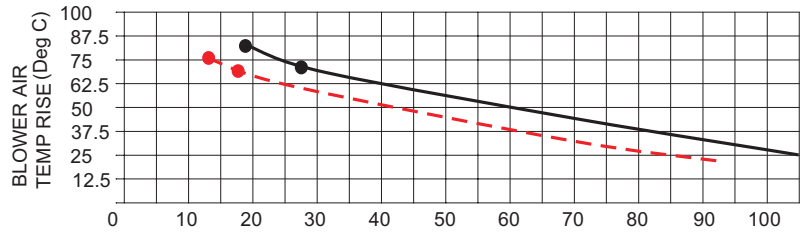
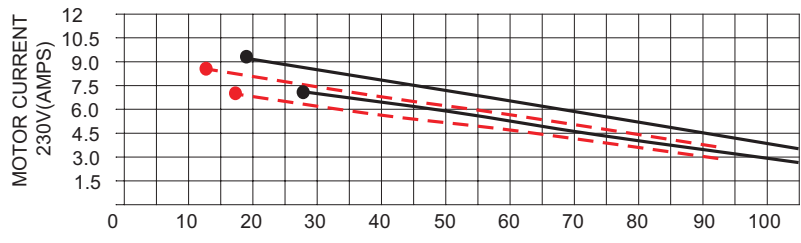
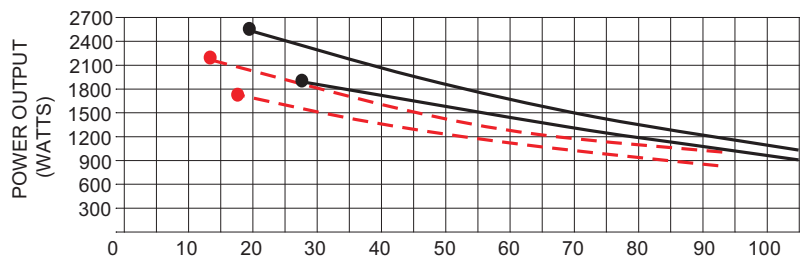
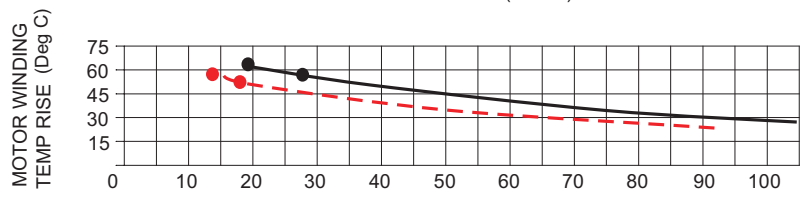
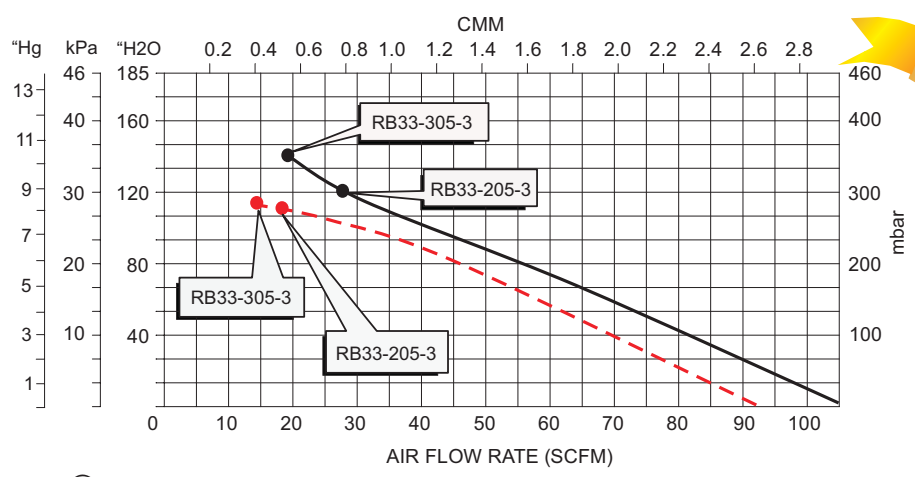


B33 Series - Vacuum - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



www.airblowerservices.com

1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps

	ge	Hz	HP	kW	SCFM	Pressure mbar	"H2O	Vacuum mbar	"H2O	Noise Level	Net Weight kg	lbs
RB43-305-2	2	▶ 60	3.5	2.6	165	386	155	386	155	77 db(A)	37	81
		50		2.2	135	360	148	348	140	74 db(A)	37	81
RB43-5-3	3	▶ 60	5	3.7	165	415	167	410	165	77 db(A)	39	86
		50		3.4	135	415	167	360	145	74 db(A)	39	86
RB43-601-3	3	▶ 60	6.1	4.6	165	490	197	420	168	77 db(A)	40	88
		50		4	135	485	195	335	135	74 db(A)	40	88

*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 Code
 - 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

RB43-5-3 replaces HB-4337

RB43-601-3 replaces HB-4346

1/60/230 & 1/50/220

RB43-305-2 replaces HB-4326-1



ACCESSORIES

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

Pressure Relief Valve RV-02
Pressure Relief Valve RVA-02

Vacuum Relief Valve RV-02
Vacuum Relief Valve RVA-02

Pressure Intake Air Filter F30P-200
Vacuum Air Filter CSL-851-200HC

TECHNICAL DATA

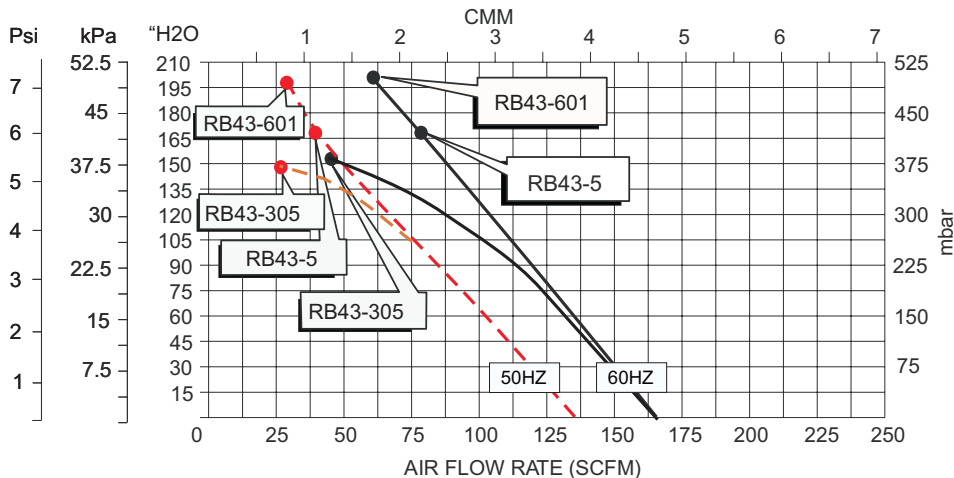
- [Available online www.all-star-usa.com]
- Performance Temperature Rise Curves
 - AutoCad files
 - Parts List
 - Full load amperage



RoHS
Compliant

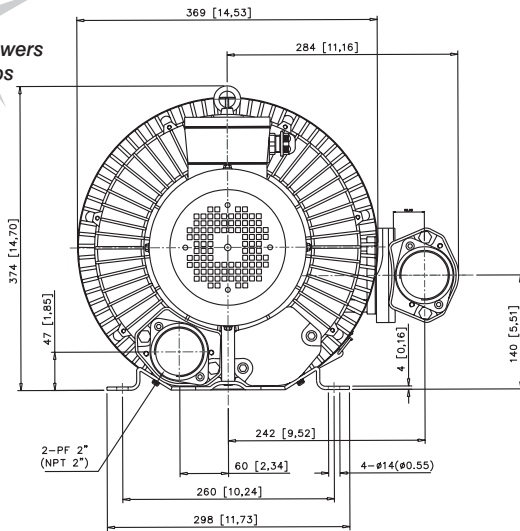
PRESSURE DATA CURVES ± 10%

[See reverse side for Vacuum Curves]

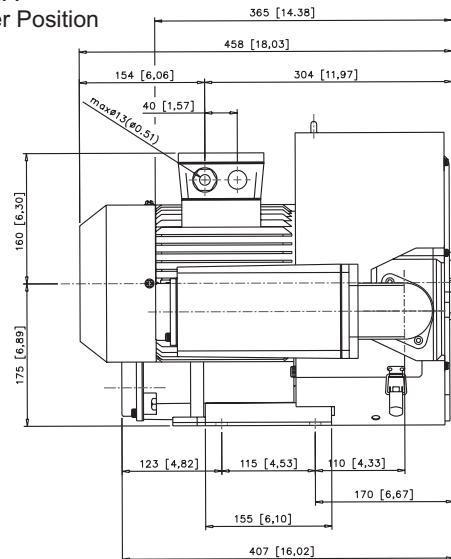


1.630.372.9222

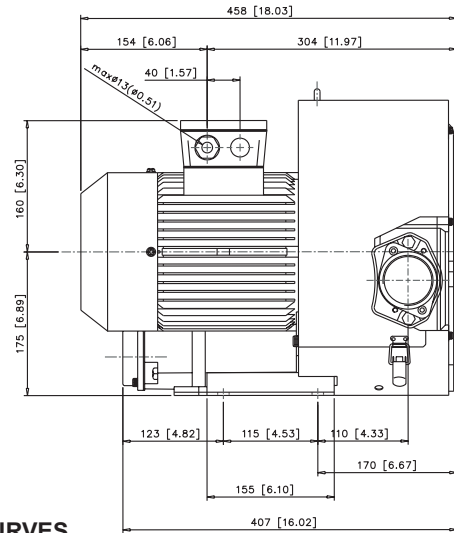
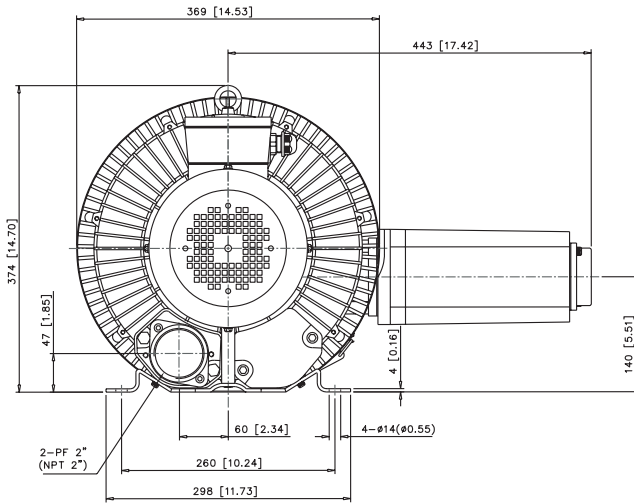
ALL STAR™
Regenerative Blowers
Vacuum Pumps



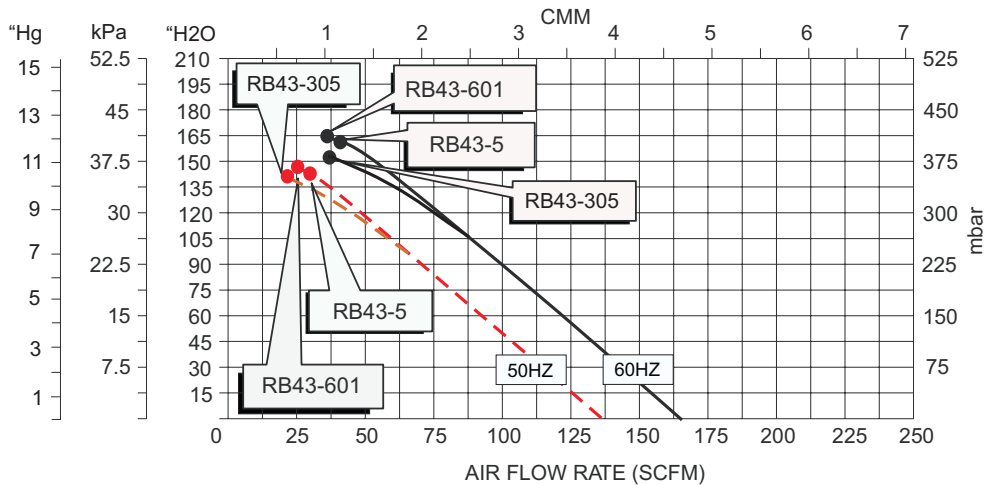
Assembly "A"
Discharge Silencer Position



Assembly "B"
Discharge Silencer Position



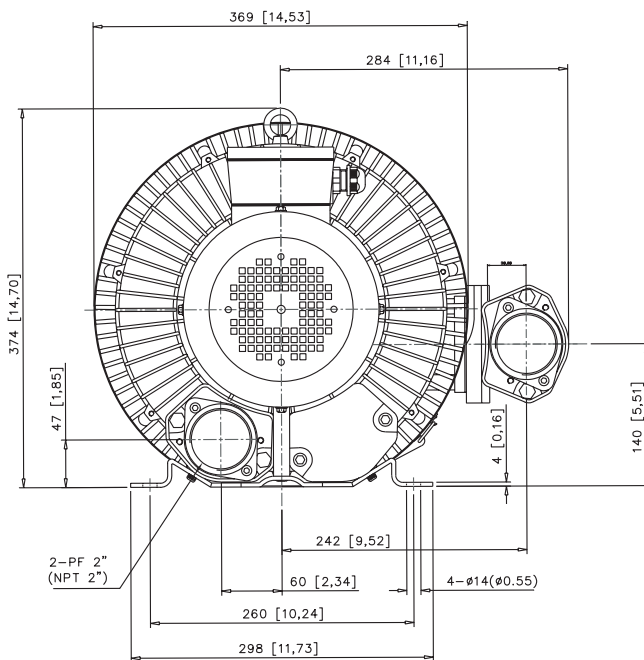
VACUUM DATA CURVES



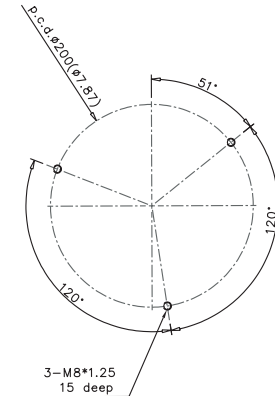
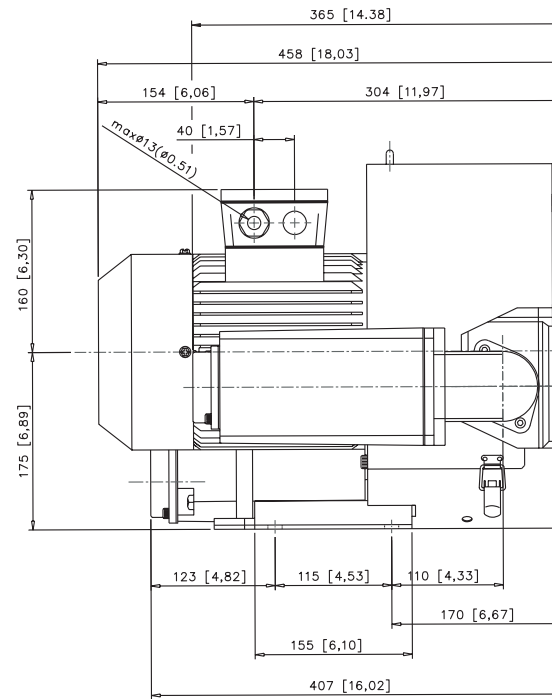
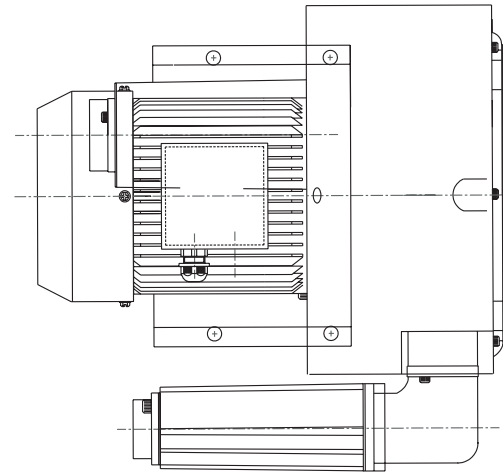
Air

Blower Services Inc.

www.airblowerservices.com
1.630.372.9222



Note:
mm/inches
Subject to change without notice.



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

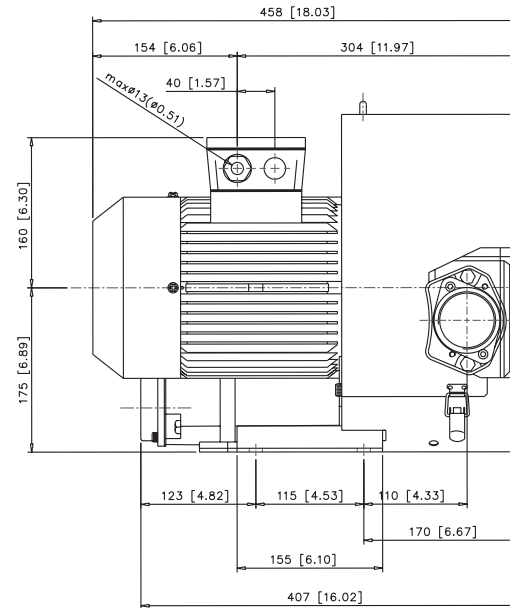
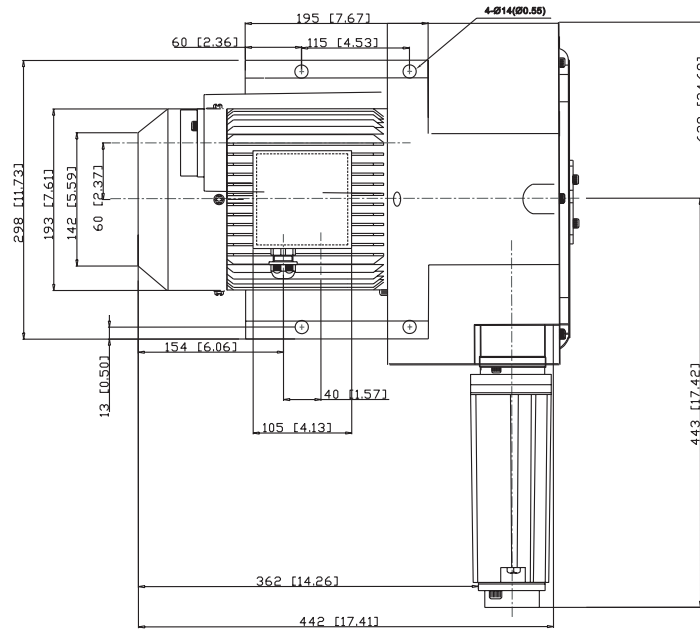
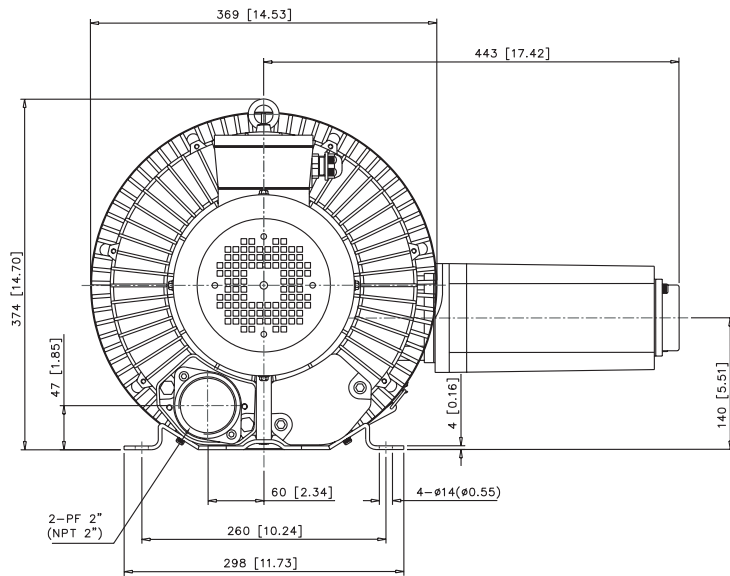
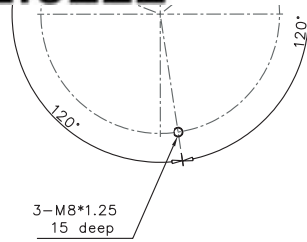
Model RB43 Series, Assembly A
Regenerative Blower/Vacuum Pump

December 30, 2006

Air

Blower Services Inc.

www.airblowerservices.com
1.630.372.9222



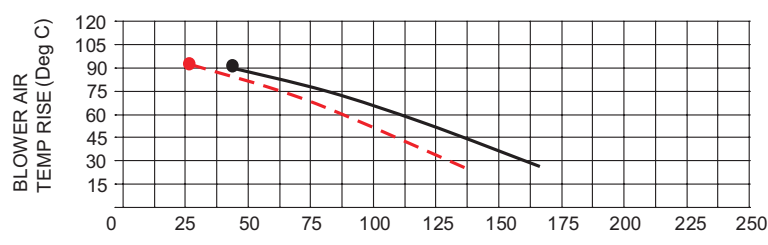
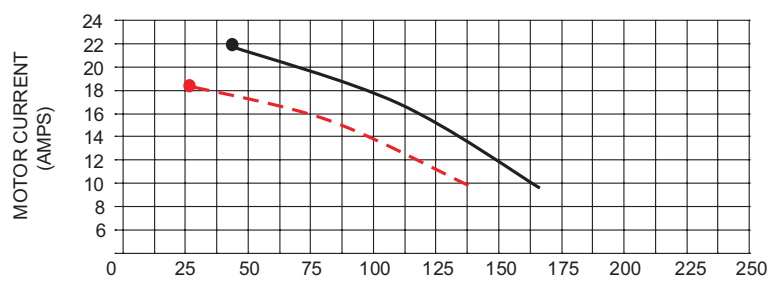
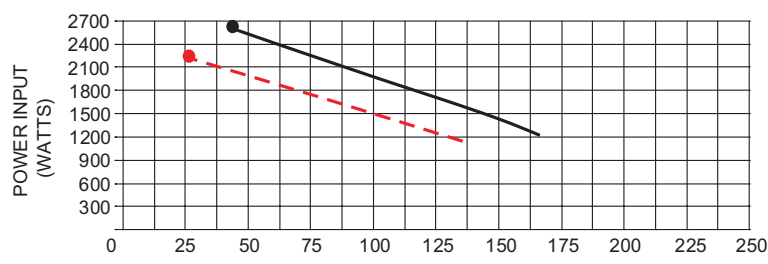
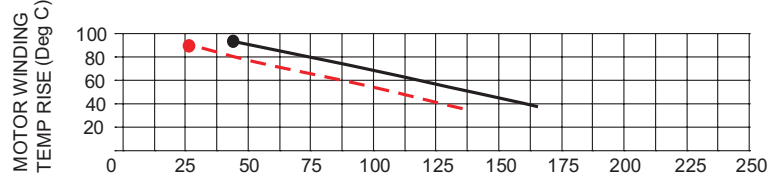
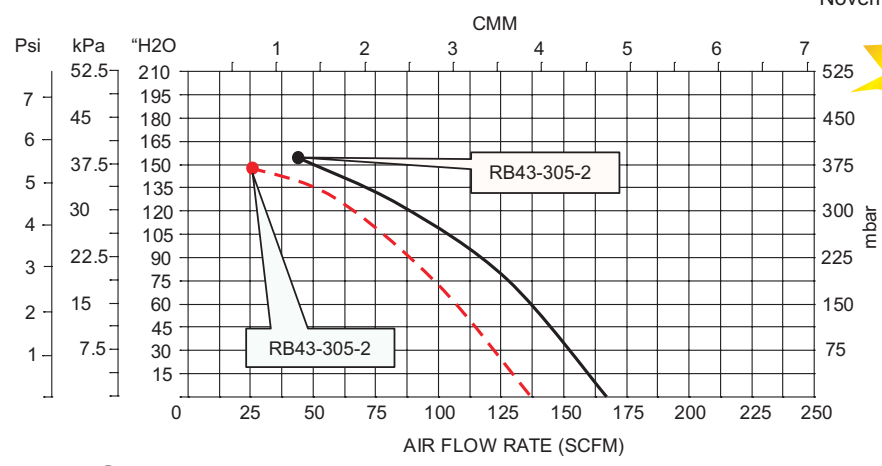
ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

Model RB43 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/m³, ±10 %variance.

November 2006

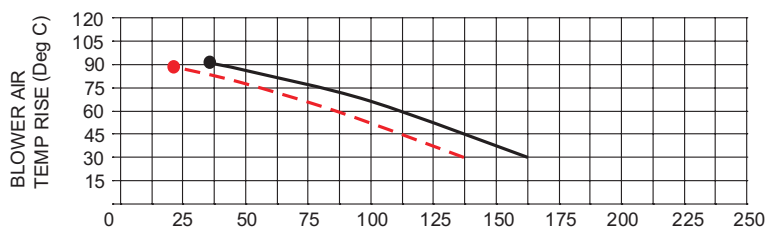
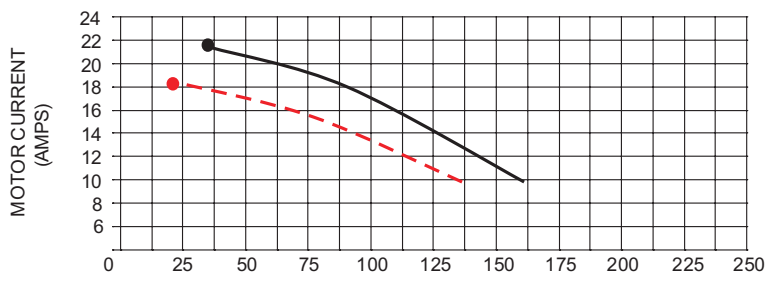
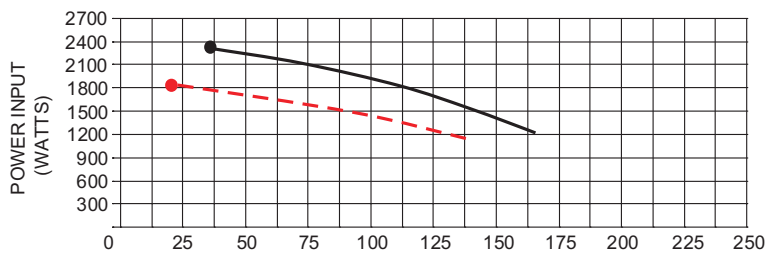
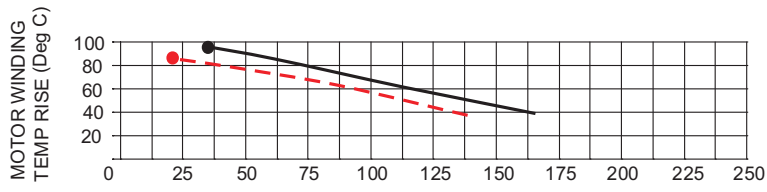
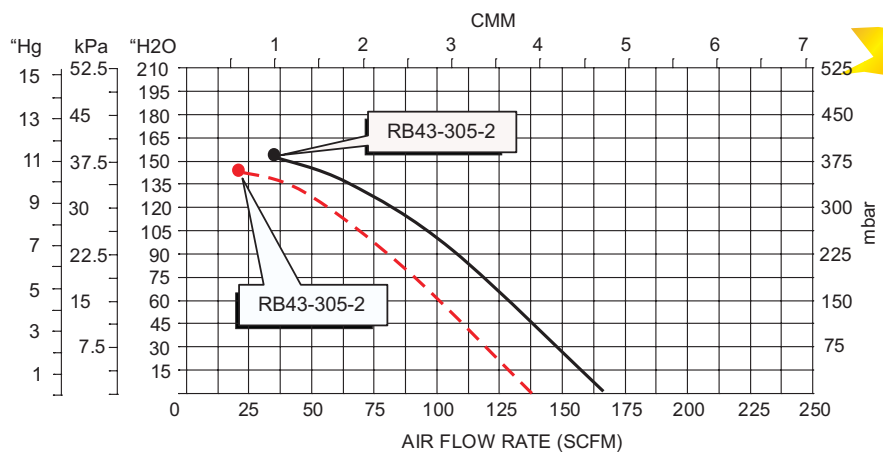


B43 Series - Vacuum - Single Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

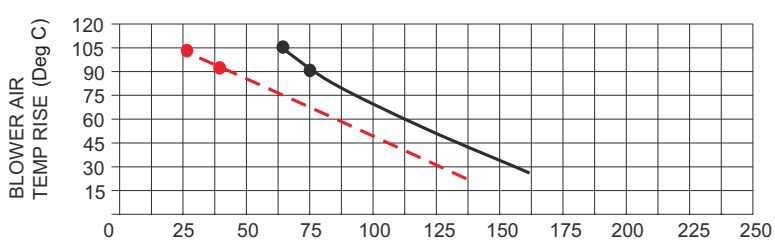
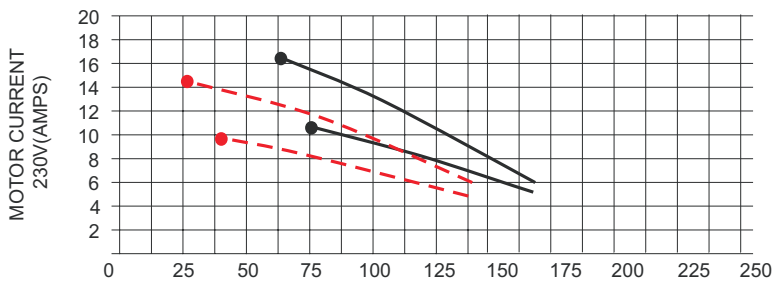
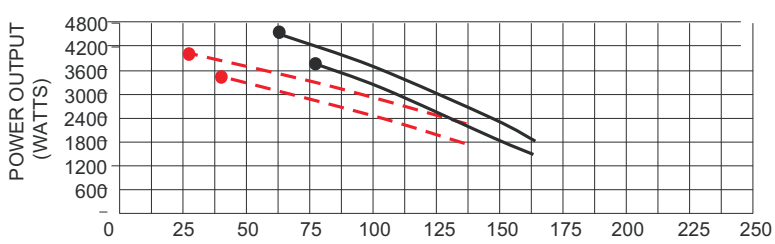
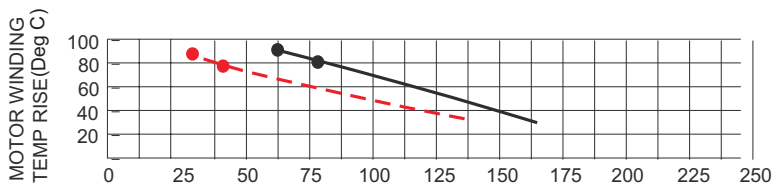
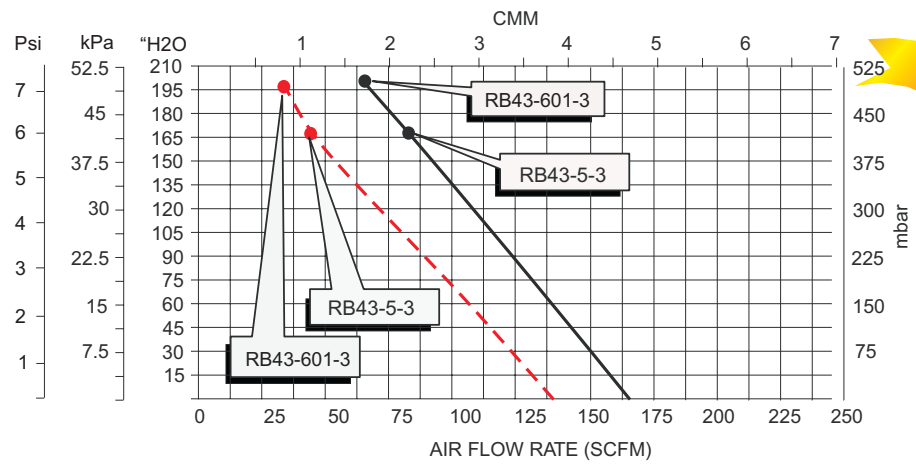


B43 Series - Pressure - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006

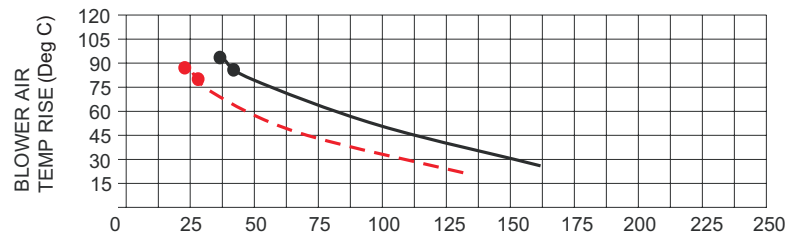
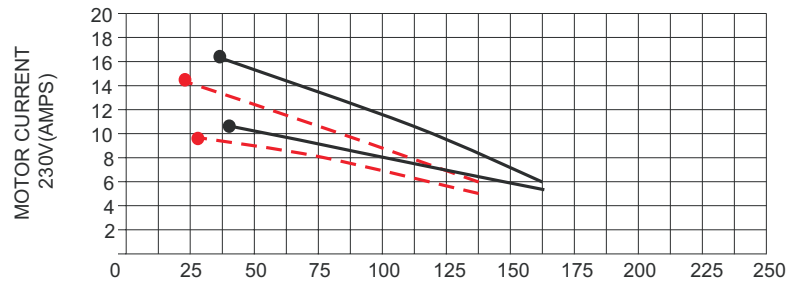
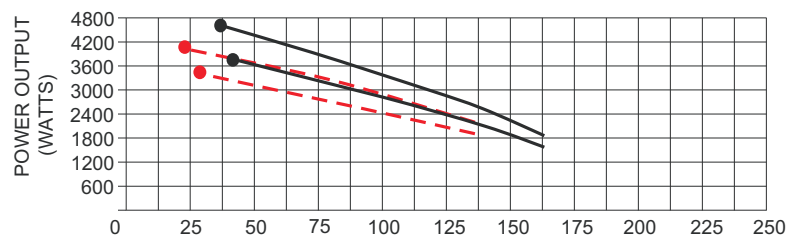
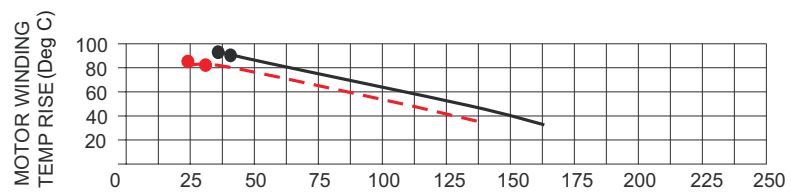
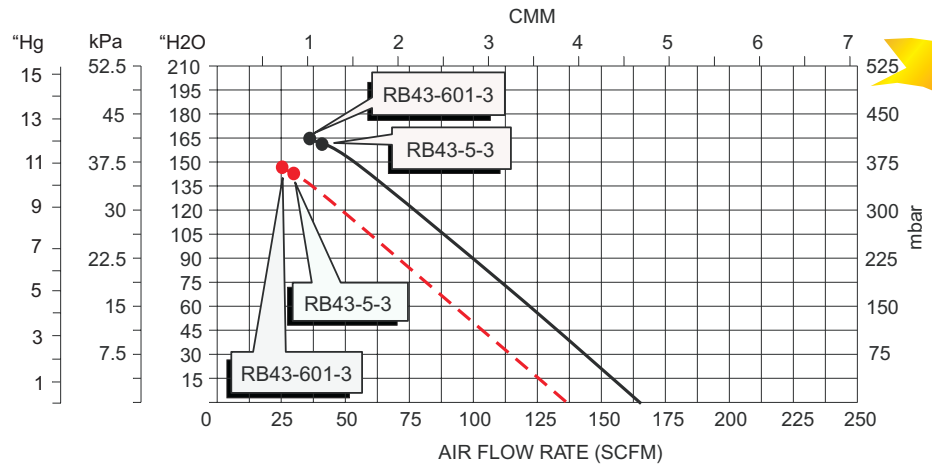


B43 Series - Vacuum - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



www.airblowerservices.com

1.630.372.9222



	ge	Hz	HP	kW	SCFM	Pressure mbar "H2O	Vacuum mbar "H2O	Noise Level	Net Weight kg lbs
RB63-601-3	3	60	6.1	4.6	230	380 153	380 153	79 db(A)	69 152
		50		4	190	380 153	360 145	75 db(A)	69 152
RB63-805-3	3	60	8.5	6.3	230	540 217	425 171	79 db(A)	72 159
		50		5.5	190	520 209	420 169	75 db(A)	72 159
RB63-1105-3	3	60	11.5	8.5	230	675 271	450 180	79 db(A)	75 165
		50		7.5	190	590 237	440 177	75 db(A)	75 165

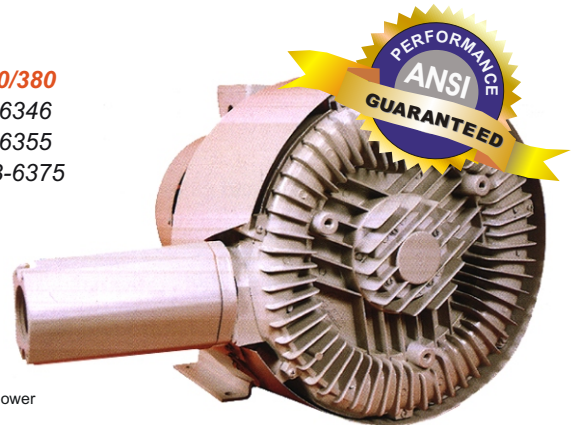
*Refer to curves below for detailed performance data. Data subject to change without notice. Actual performance may vary by ±10%.

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 Code
 - 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

- RB63-601-3 replaces HB-6346
- RB63-805-3 replaces HB-6355
- RB63-1105-3 replaced HB-6375



ACCESSORIES

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

- Pressure Relief Valve RV-02 for pressures of 110 to 236"H2O
- Pressure Relief Valve RVA-02 for pressures of 110 to 236"H2O

- Vacuum Relief Valve RV-02 for vacuums of 110 to 236"H2O
- Vacuum Relief Valve RVA-02 for vacuums of 110 to 236"H2O

- Pressure Intake Air Filter F231P-200
- Vacuum Air Filter CSL-851-200HC

TECHNICAL DATA

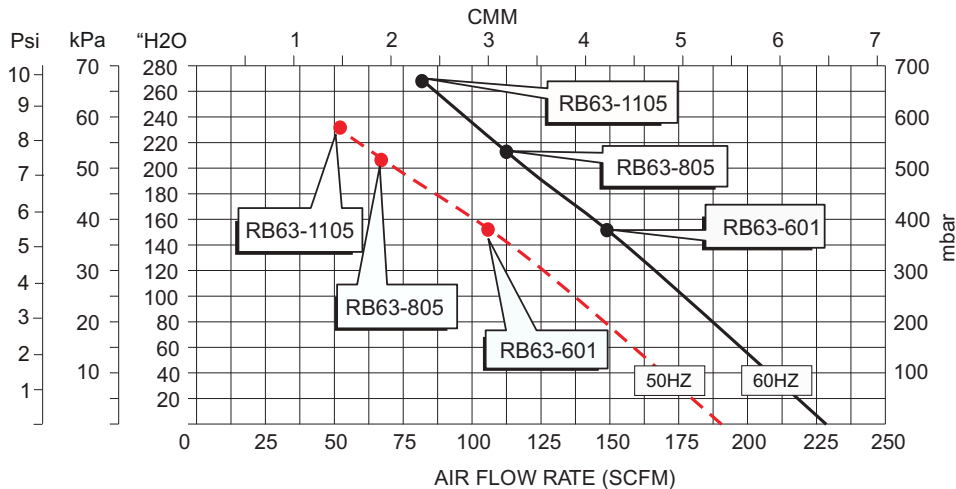
- [Available online www.all-star-usa.com]
- Performance Temperature Rise Curves
- AutoCad files
- Parts List
- Full load amperage



RoHS Compliant

PRESSURE DATA CURVES ±10%

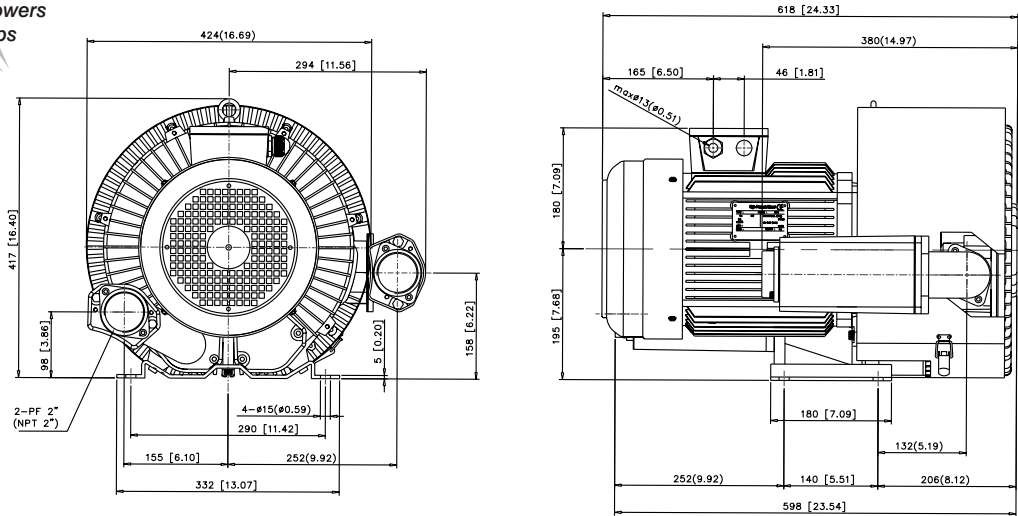
[See reverse side for Vacuum Curves]



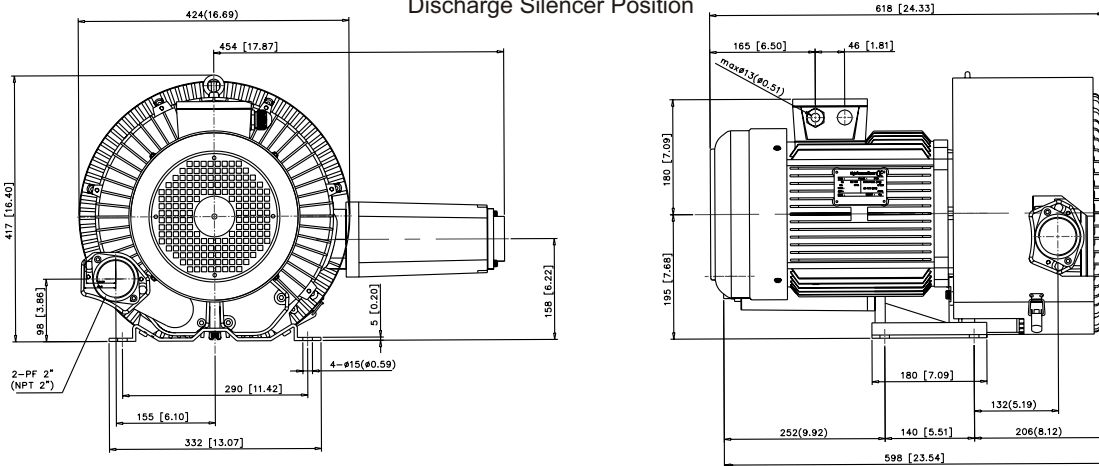
1.630.372.9222



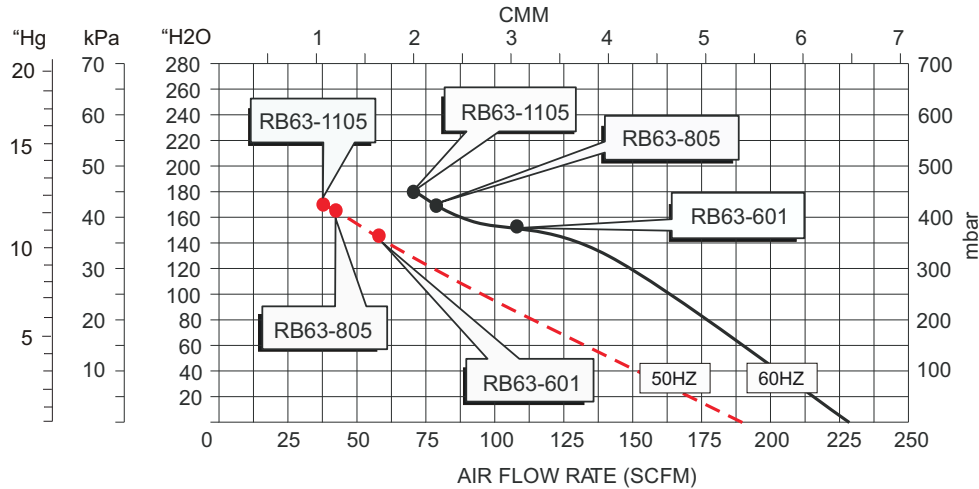
Assembly "A"
Discharge Silencer Position



Assembly "B"
Discharge Silencer Position



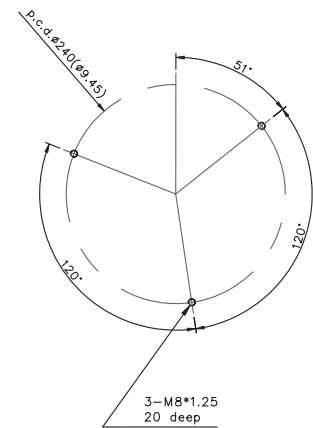
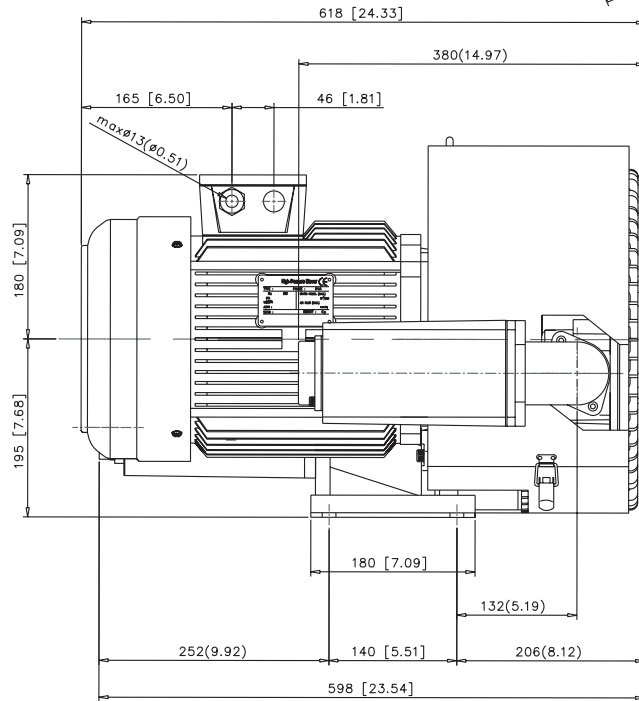
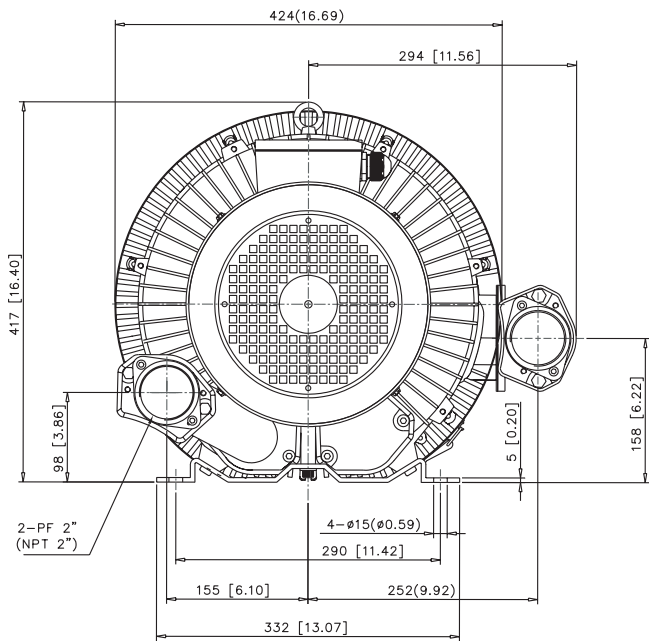
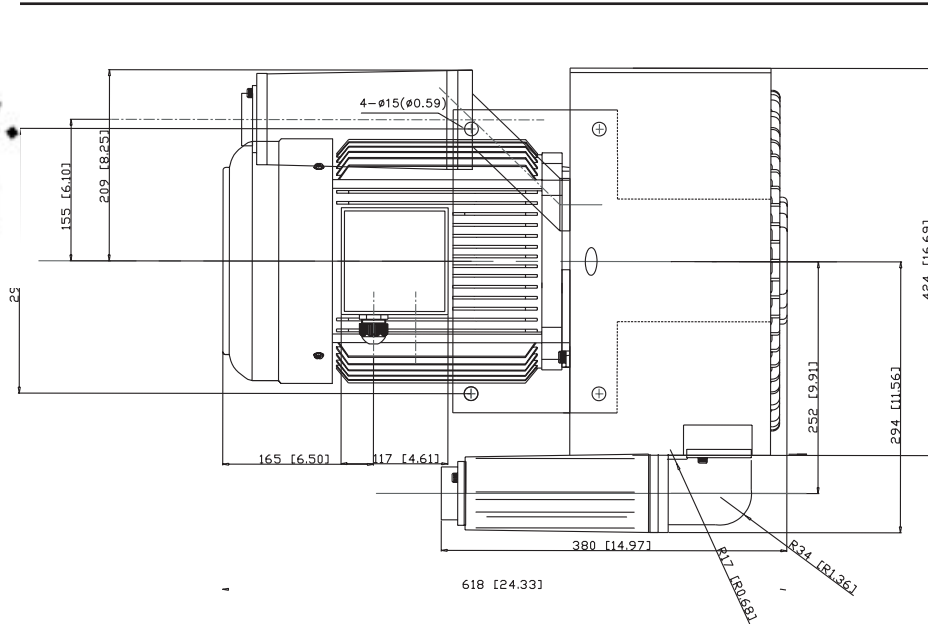
VACUUM DATA CURVES



Air

Blower Services Inc.

www.airblowerservices.com
1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

Model RB63 Series, Assembly A
Regenerative Blower/Vacuum Pump

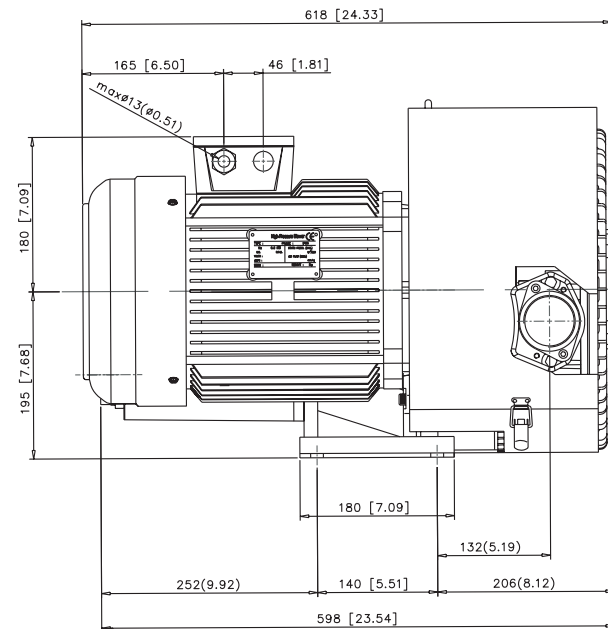
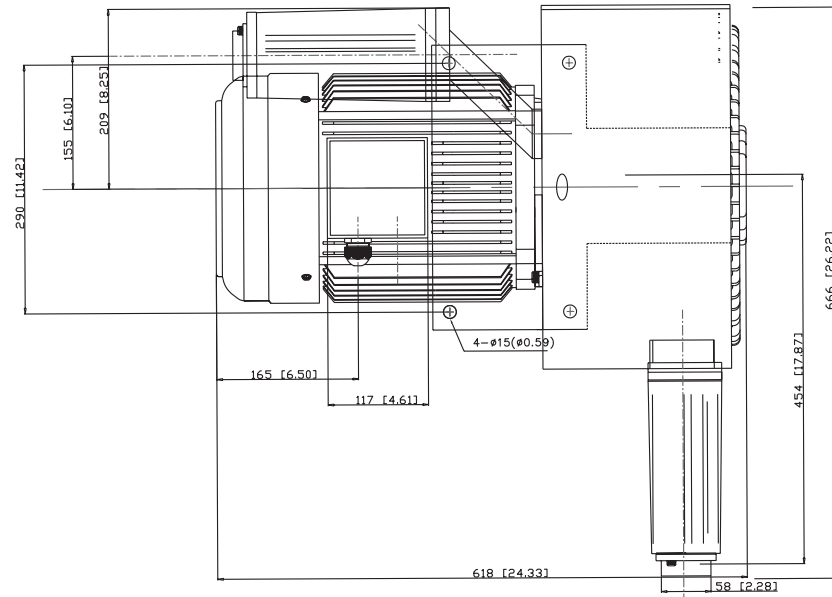
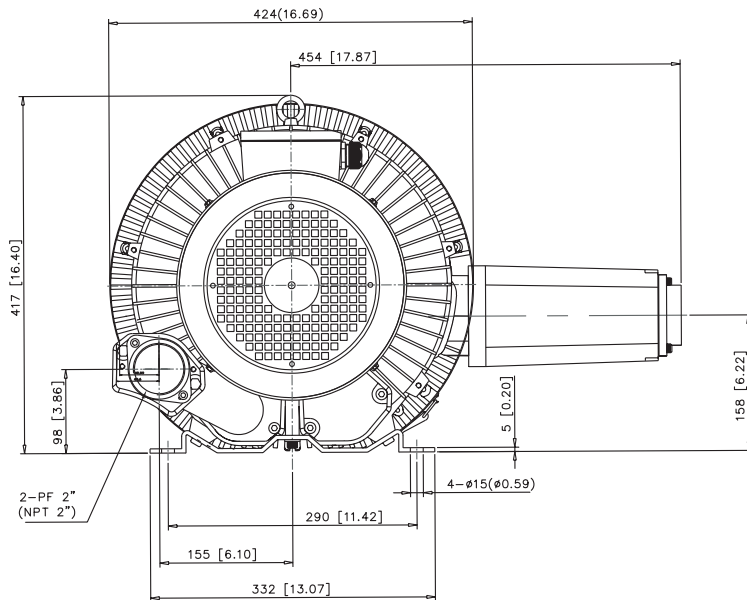
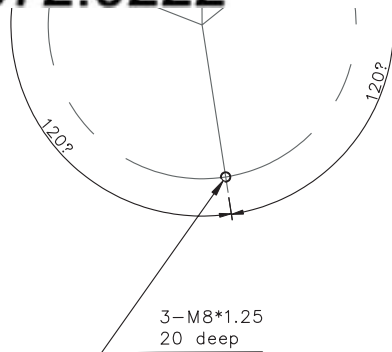
December 30, 2006

Air

Blower Services Inc.

www.airblowerservices.com

1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

Model RB63 Series, Assembly B
Regenerative Blower/Vacuum Pump

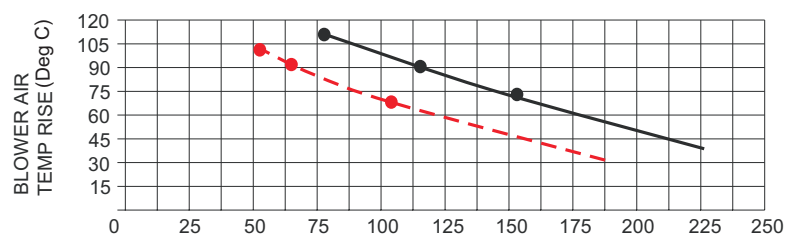
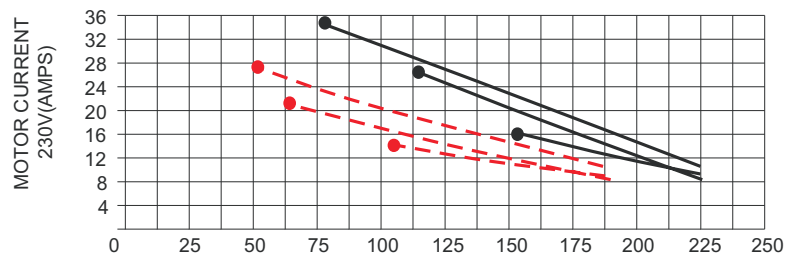
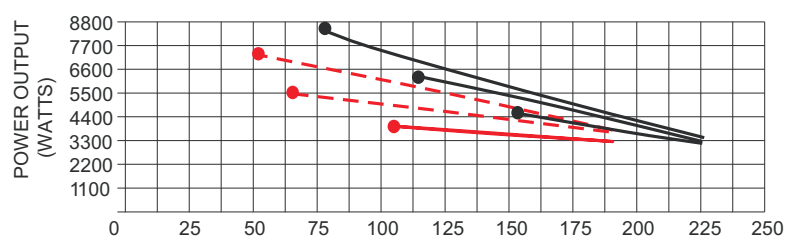
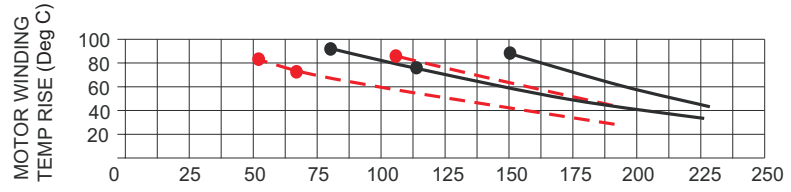
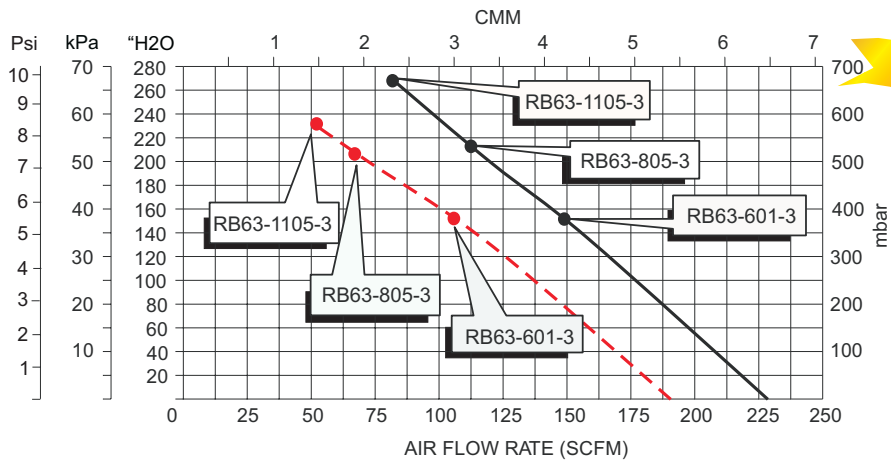
December 30, 2006

B63 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/m³, ±10 %variance.

November 2006

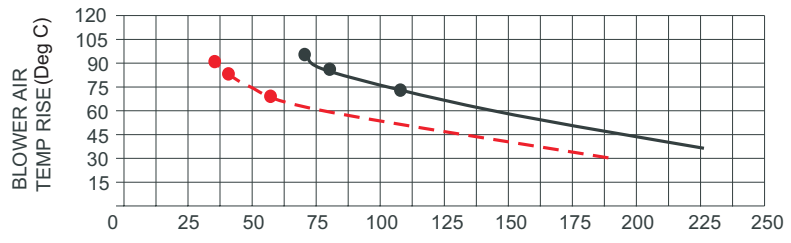
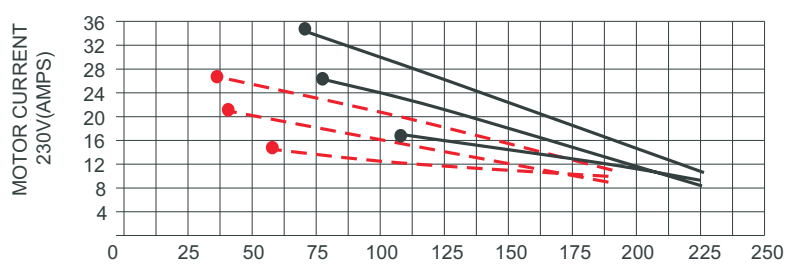
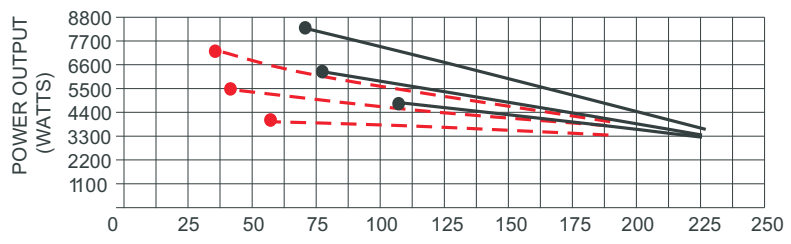
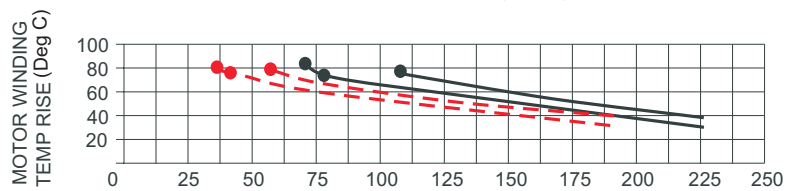
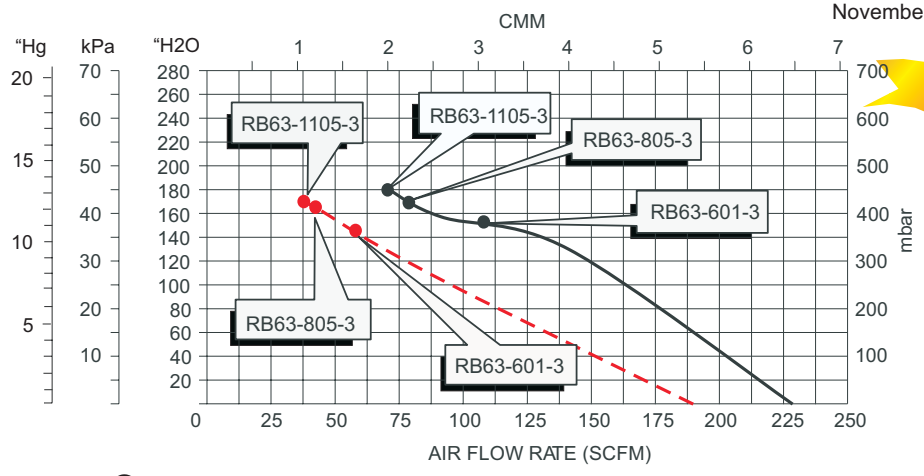


B63 Series - Vacuum - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



www.airblowerservices.com

1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps

	ge	Hz	HP	kW	SCFM	Pressure mbar "H2O		Vacuum mbar "H2O		Noise Level	Net Weight kg lbs	
RB64-805-3	3	60	8.5	6.3	340	220	88	200	80	79 db(A)	72	159
		50		5.5	290	220	88	200	80	75 db(A)	72	159
RB64-1105-3	3	60	11.5	8.5	340	270	102	260	108	79 db(A)	77	170
		50		7.5	290	270	108	245	98	75 db(A)	77	170

*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 Code
 - 1 = 1/60/50/115/230
 - 2 = 1/60/50/230
 - 3 = 3/60/208-230/460 3/50/220/380

TECHNICAL DATA

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

3/60/208-230/460 & 3/50/220/380

RB64-805-3 replaces HB-6455

RB64-1105-3 replaces HB-6475



ACCESSORIES

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

Pressure Relief Valve RV-02 for pressures of 110 to 236"H2O

Pressure Relief Valve RVA-02 for pressures of 110 to 236"H2O

Vacuum Relief Valve RV-02 for vacuums of 110 to 236"H2O

Vacuum Relief Valve RVA-02 for vacuums of 110 to 236"H2O

Pressure Intake Air Filter F230P-200

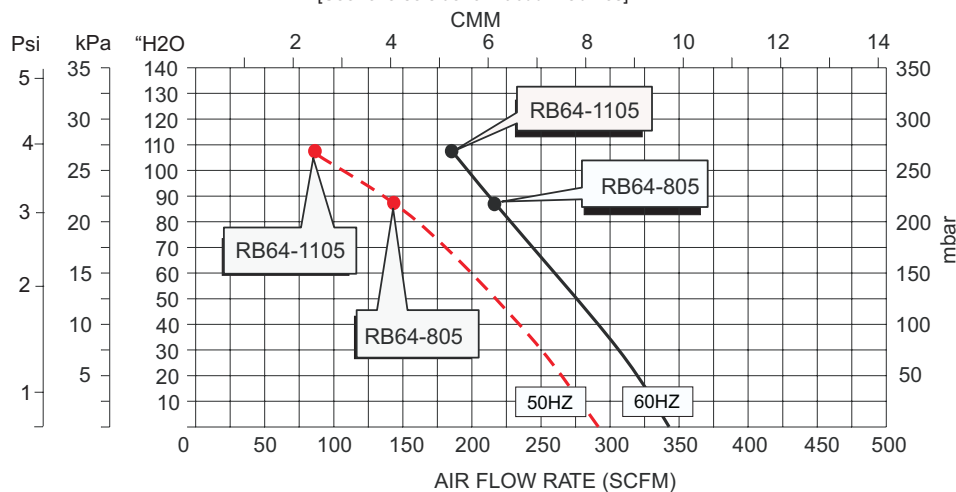
Vacuum Air Filter CSL-851-200HC



RoHS
Compliant

PRESSURE DATA CURVES ±10%

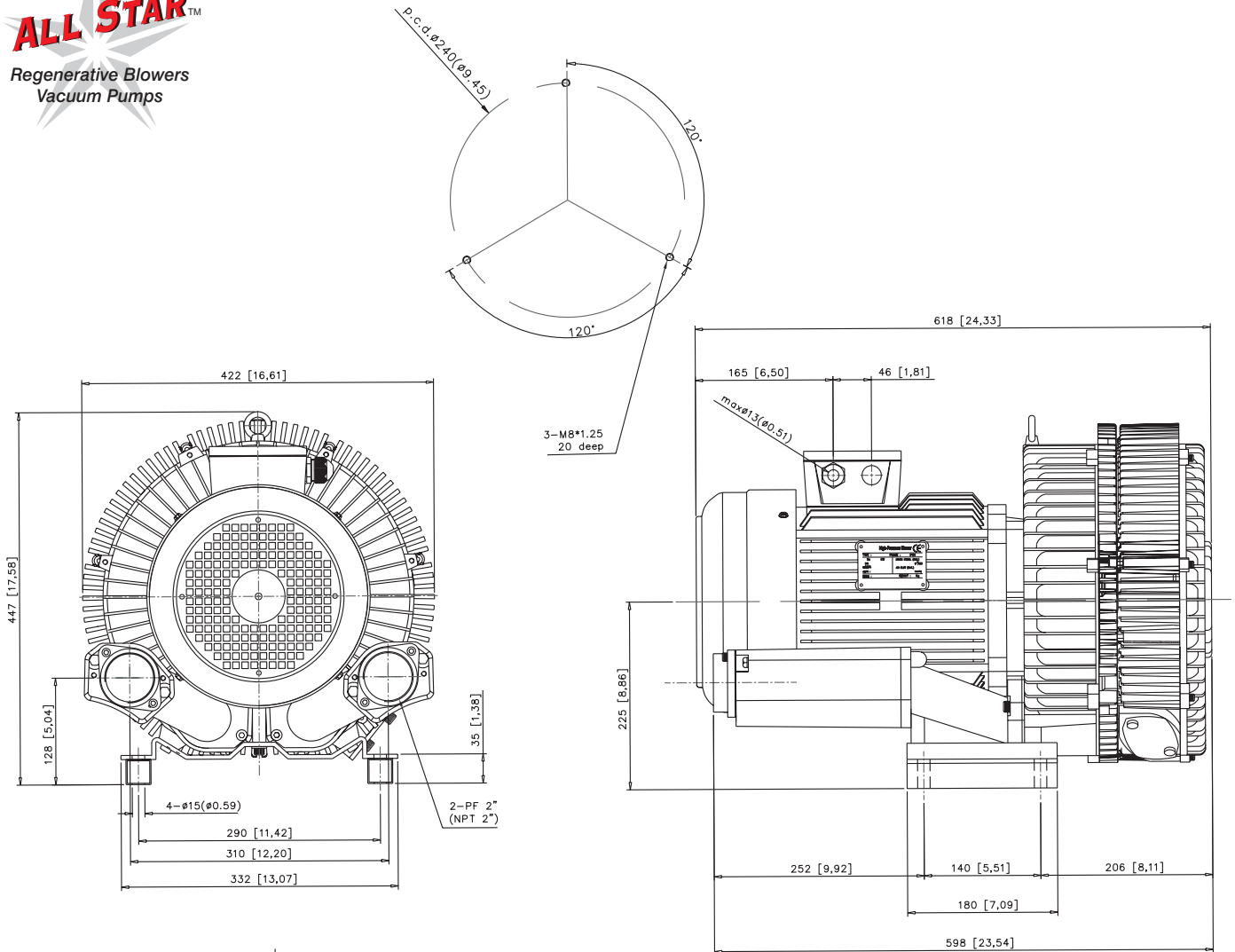
[See reverse side for Vacuum Curves]



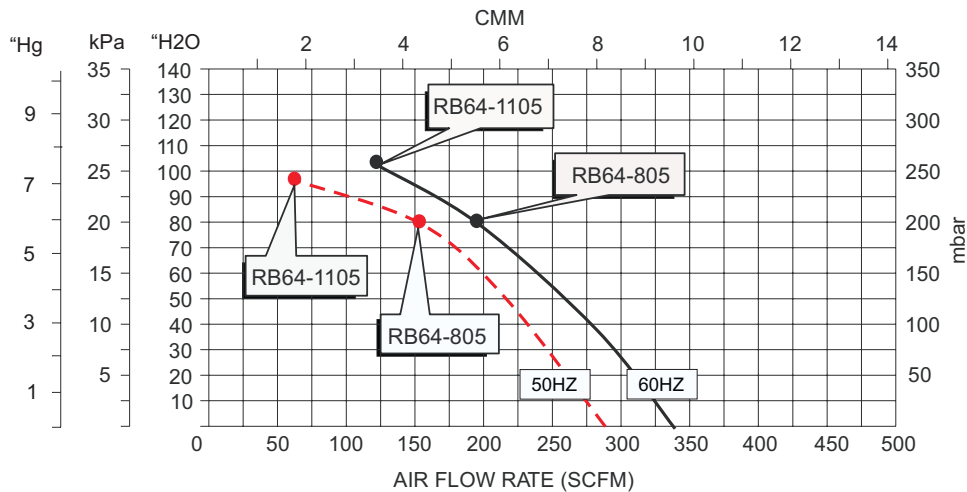
1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps



VACUUM DATA CURVES

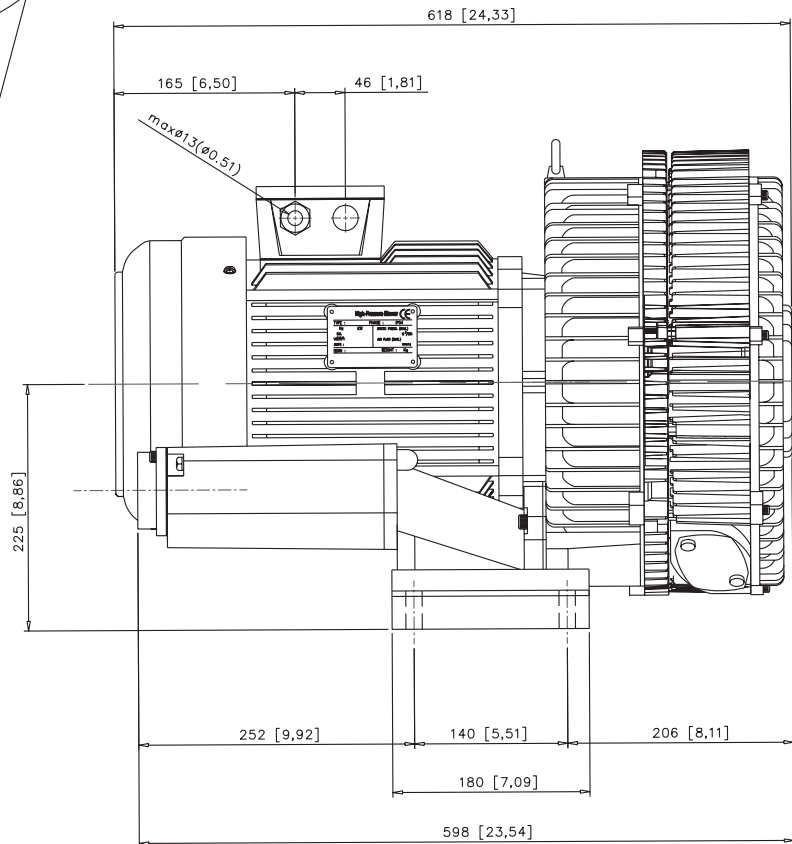
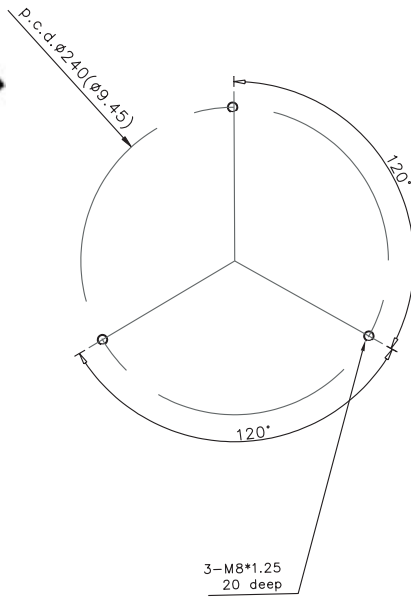
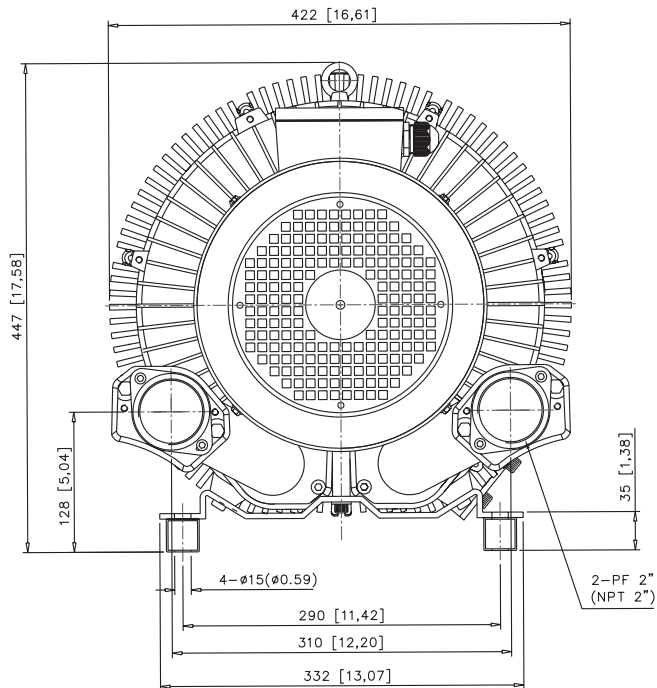


Air

Blower Services Inc.

www.airblowerservices.com

1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

REGENERATIVE BLOWER
Model RB64 Series

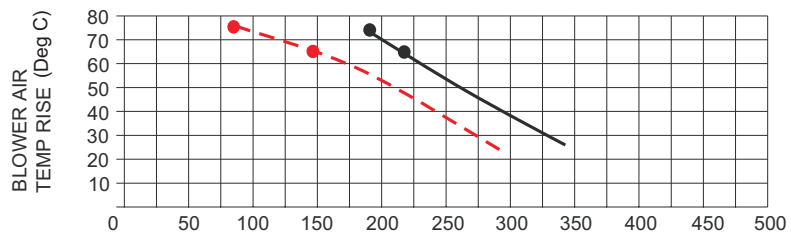
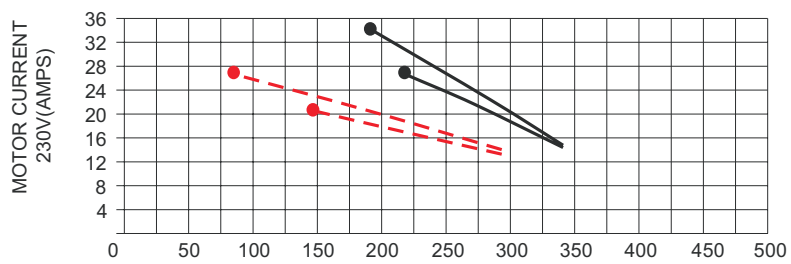
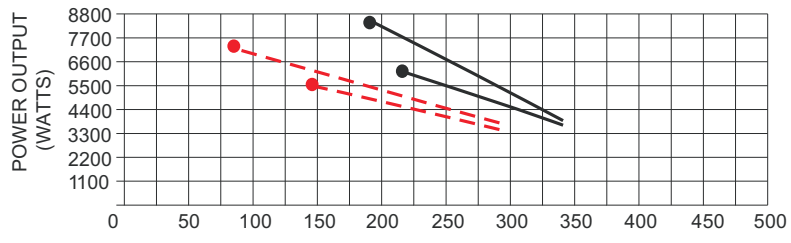
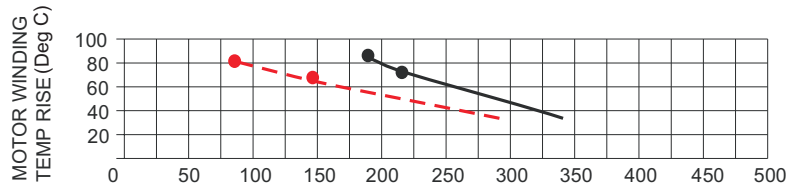
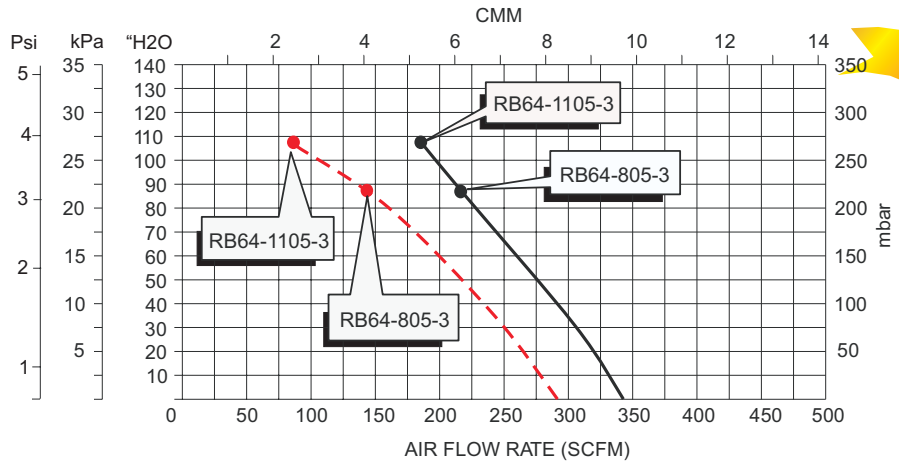
December 30, 2006

B64 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/m³, ±10 %variance.

November 2006

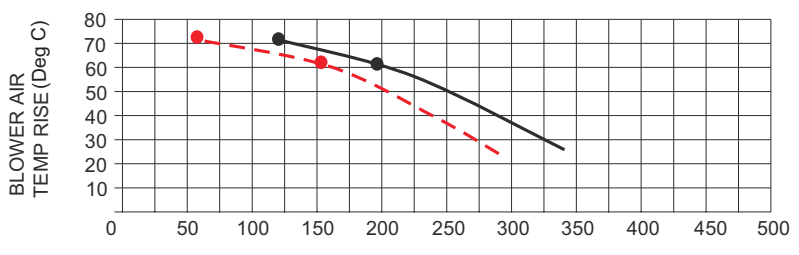
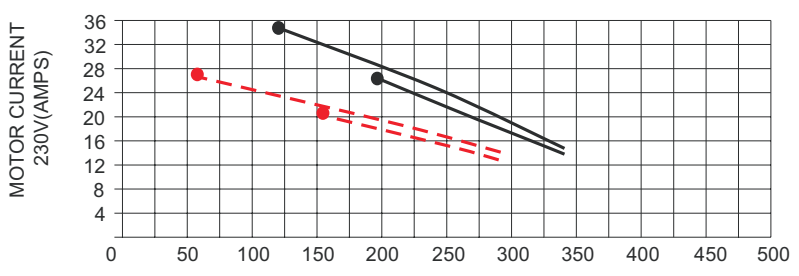
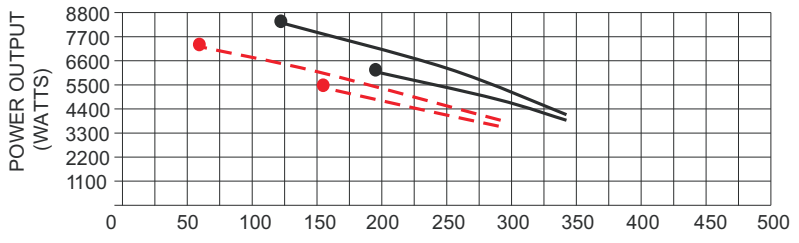
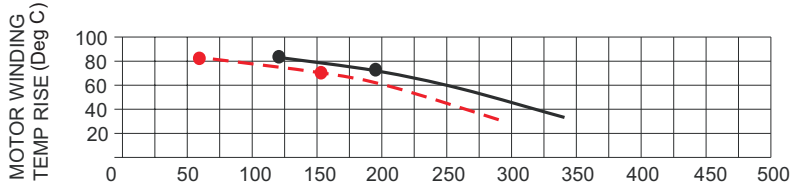
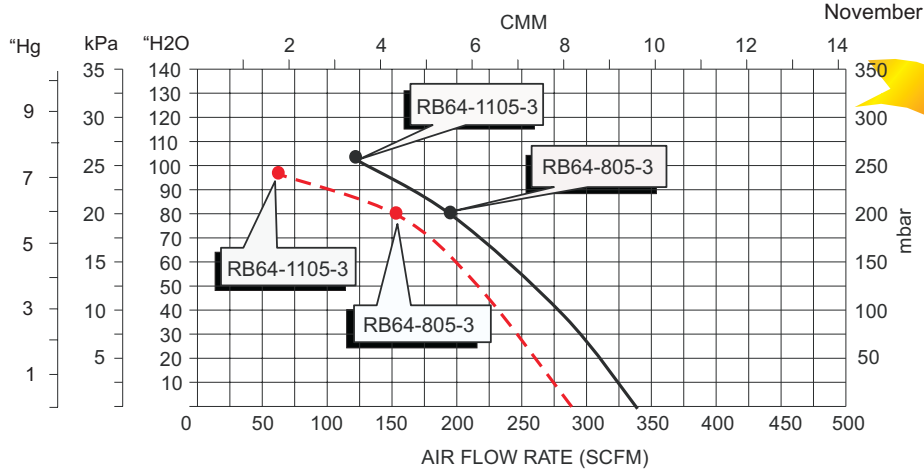


B64 Series - Vacuum - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



www.airblowerservices.com

1.630.372.9222



Model	ge	Hz	HP	kW	SCFM	Pressure		Vacuum		Noise Level	Net Weight		
						mbar	"H2O	mbar	"H2O		kg	lbs	
RB83-1105-3	3	▶	60	11.5	8.5	410	320	128	340	137	81 db(A)	112	247
			50		7.5	340	320	128	360	145	87 db(A)	112	247
RB83-1705-3	3	▶	60	17.5	13	410	598	240	456	183	81 db(A)	143	314
			50		11	340	598	240	423	170	87 db(A)	143	314
RB83-25-3	3	▶	60	25	19	410	790	317	650	261	81 db(A)	160	353
			50		16	340	700	281	450	181	87 db(A)	160	353

*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 Code
 - 1 = 1/60/50/115/230
 - 2 = 1/60/50/230
 - 3 = 3/60/208-230/460 3/50/220/380

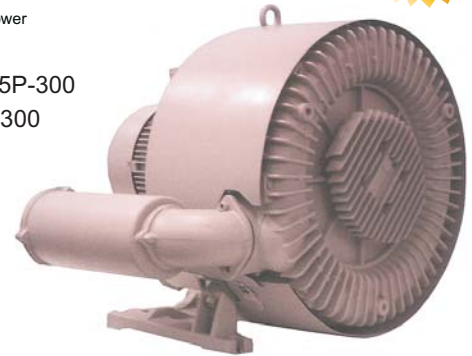
3/60/208-230/460 & 3/50/220/380

- RB83-1105-3 replaces HB-8310
- RB83-1705-3 replaces HB-8315
- RB83-25-3 replaces HB-8320

ACCESSORIES

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

- Pressure Intake Air Filter F245P-300
- Vacuum Air Filter CSL-335P-300



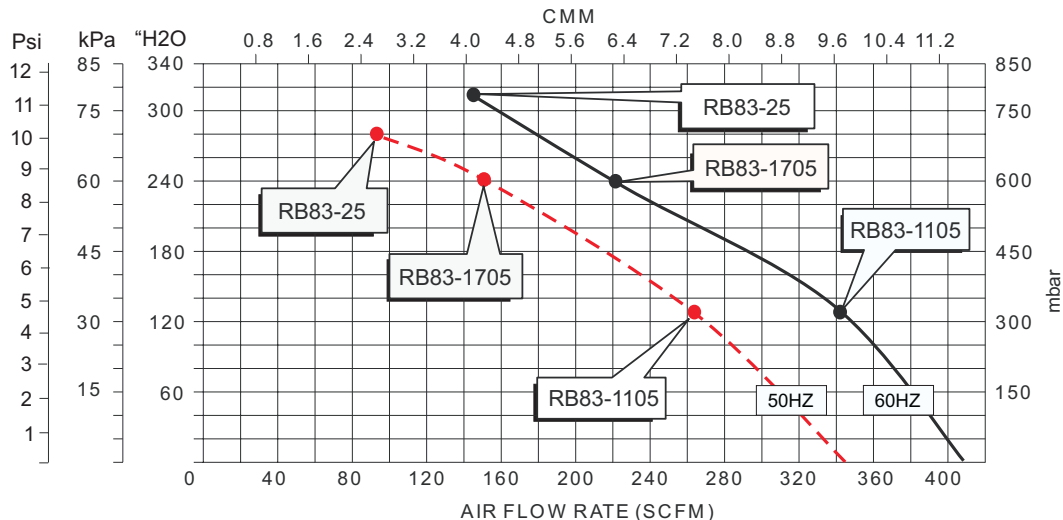
TECHNICAL DATA

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



RoHS Compliant

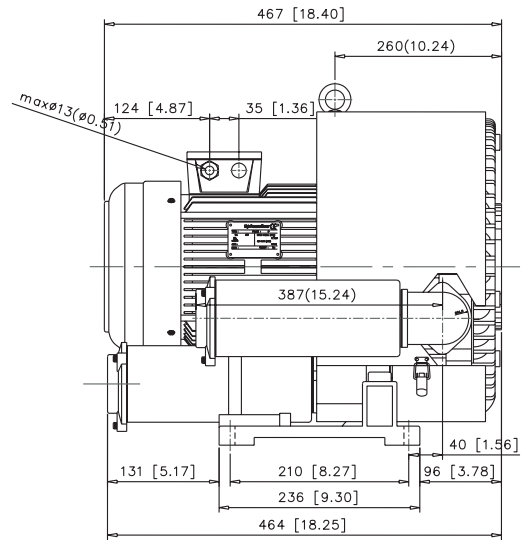
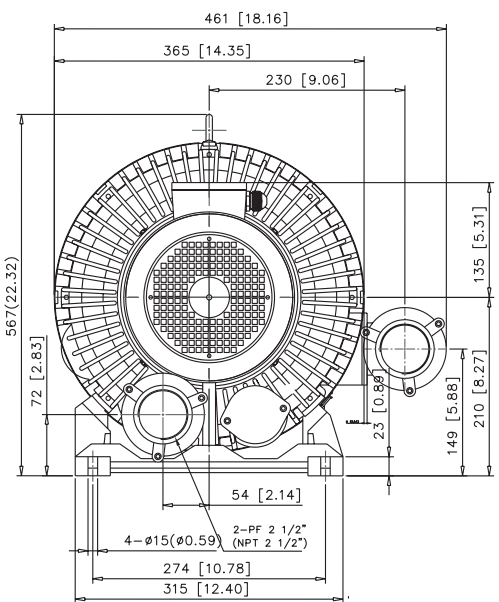
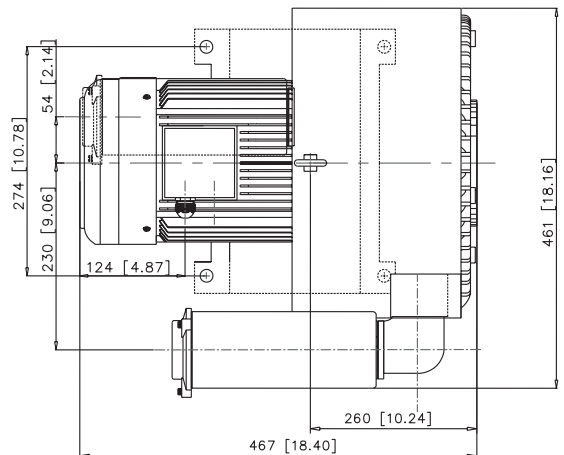
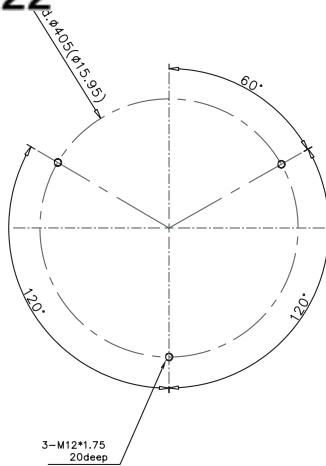
PRESSURE DATA CURVES ±10%
[See reverse side for Vacuum Curves]



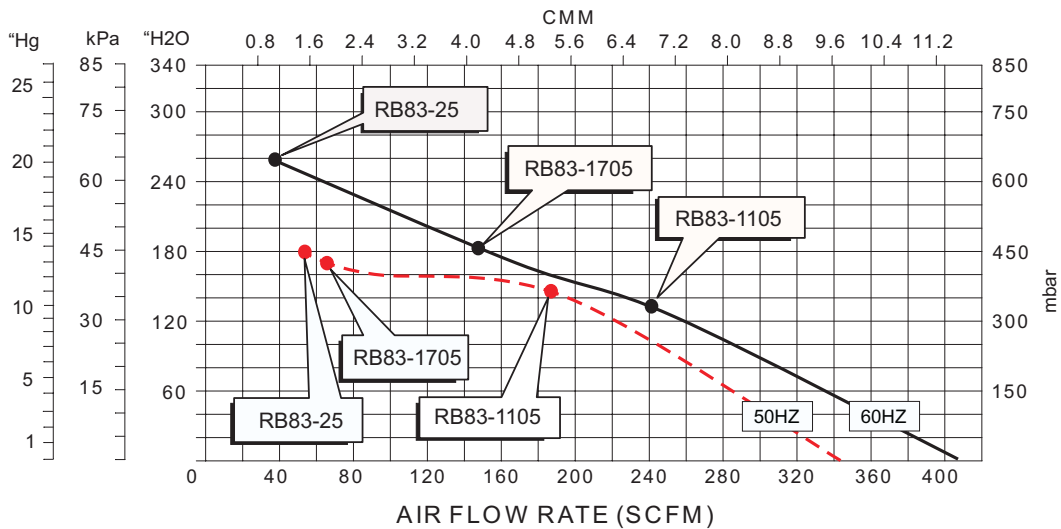
1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps



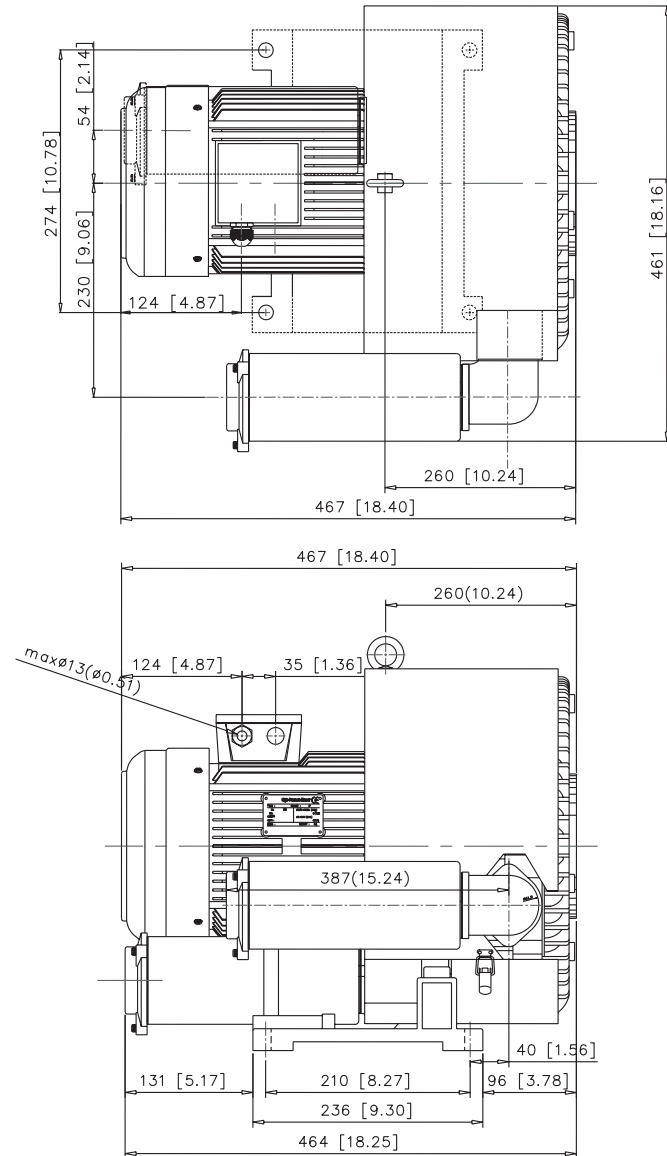
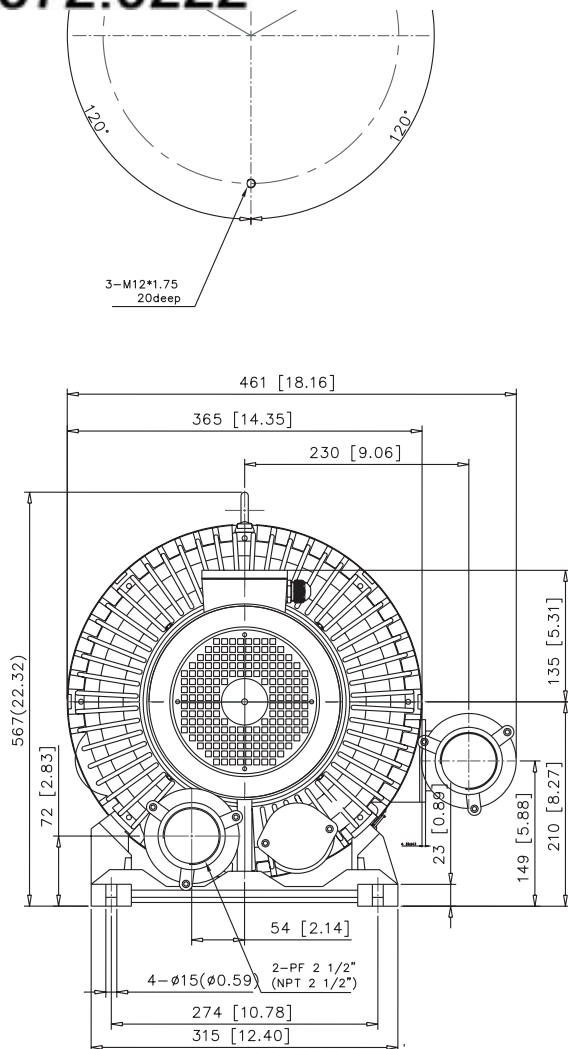
VACUUM DATA CURVES



Air

Blower Services Inc.

www.airblowerservices.com
1.630.372.9222



ALL-STAR PRODUCTS INC
Cleveland Ohio Memphis Tennessee

REGENERATIVE BLOWER
Model RB83 Series

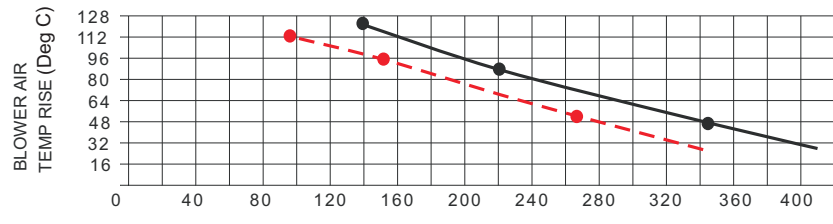
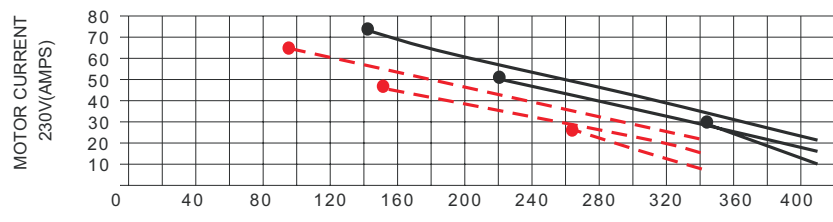
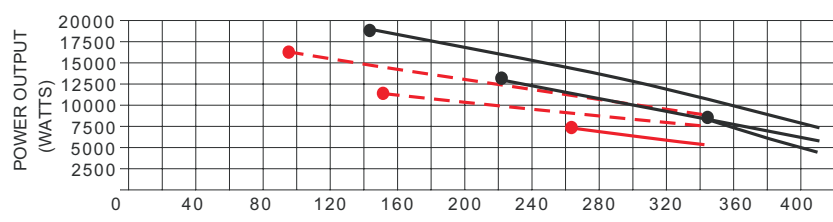
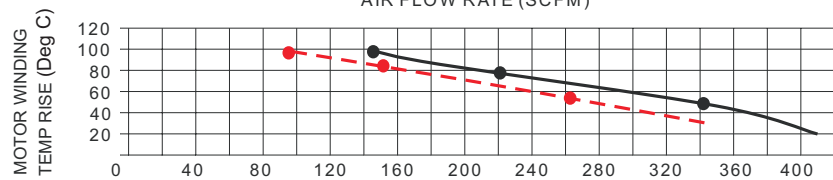
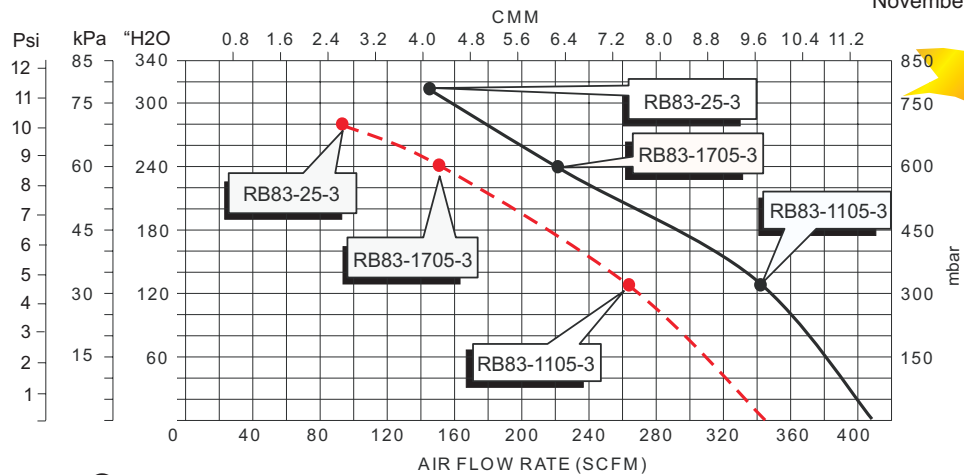
December 30, 2006

B83 Series - Pressure - Three Phase

60Hz

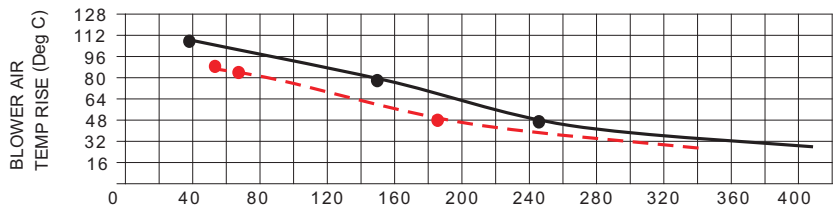
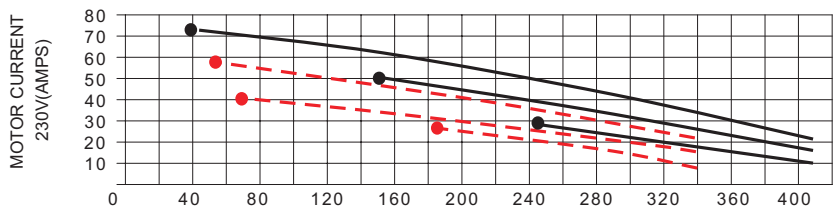
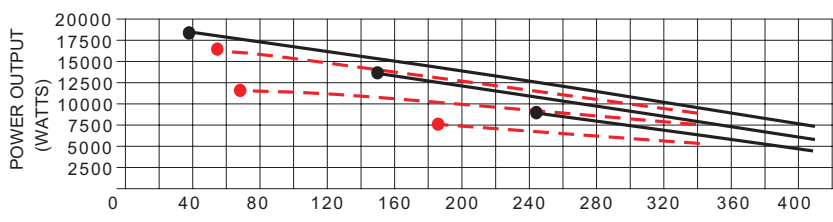
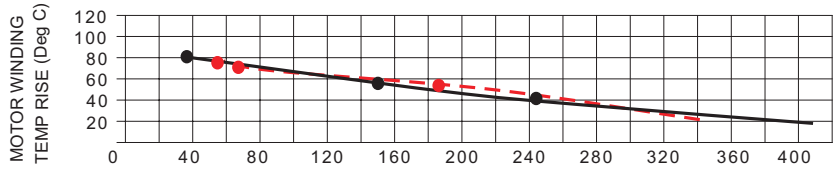
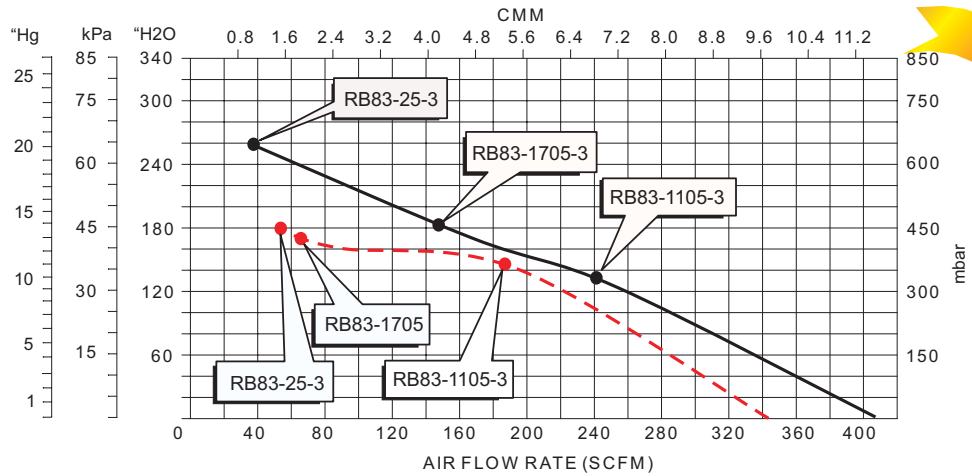
The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



www.airblowerservices.com

1.630.372.9222



Model	ge	Hz	HP	kW	SCFM	Pressure		Vacuum		Noise Level	Net Weight	
						mbar	"H2O	mbar	"H2O		kg	lbs
RB84-1105-3	3	60	11.5	8.5	600	150	60	170	68	81 db(A)	110	243
		50		7.5	515	150	60	165	66	81 db(A)	110	243
RB84-1705-3	3	60	17.5	13	600	265	106	260	104	81 db(A)	140	309
		50		11	515	265	106	260	104	81 db(A)	140	309

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

STANDARD FEATURES

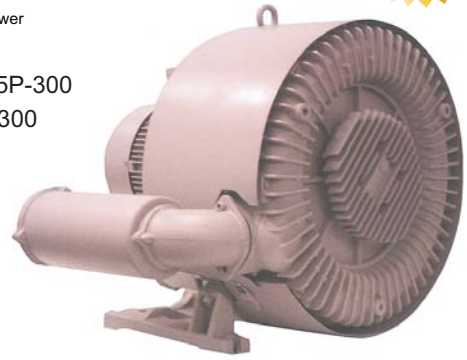
- Housing - Aluminum
- Impeller - Aluminum, dynamically balanced
- Direct drive impeller
- Shock absorbing mounting base
- Quiet operation - below OSHA limits
- Inlet & outlet silencers included
- Motor shaft seal standard
- IP 54 TEFC 2 pole squirrel cage ac motor
- 40 Deg C ambient
- Class H insulation 1.15 service factor
- Performance tested ANSI/AMCA210-85
- Voltage Code
 - 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
 RB84-1105-3 replaces HB-8410
 RB84-1705-3 replaced HB-8415

ACCESSORIES

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

- Pressure Intake Air Filter F245P-300
- Vacuum Air Filter CSL-335P-300

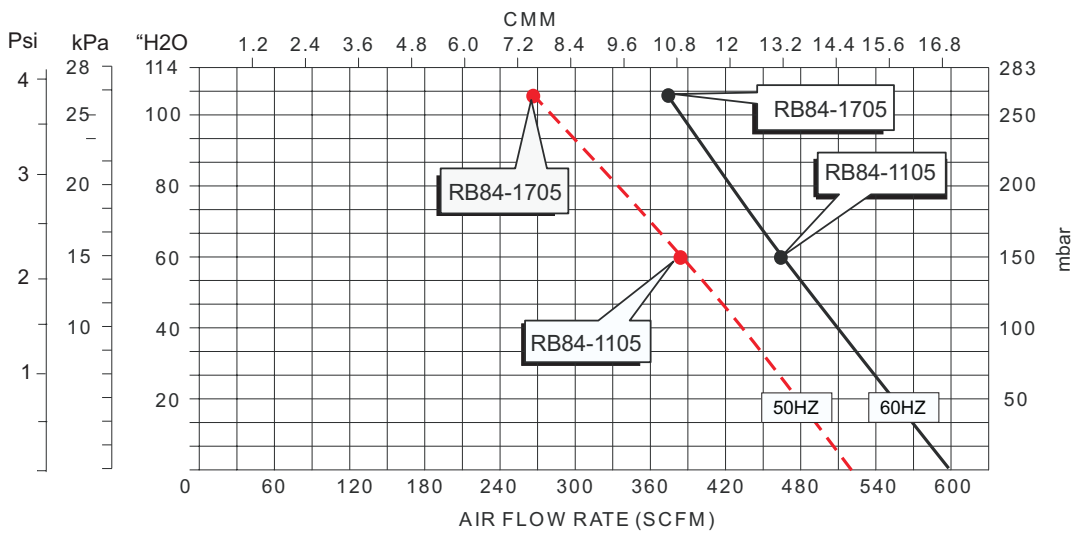


TECHNICAL DATA

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



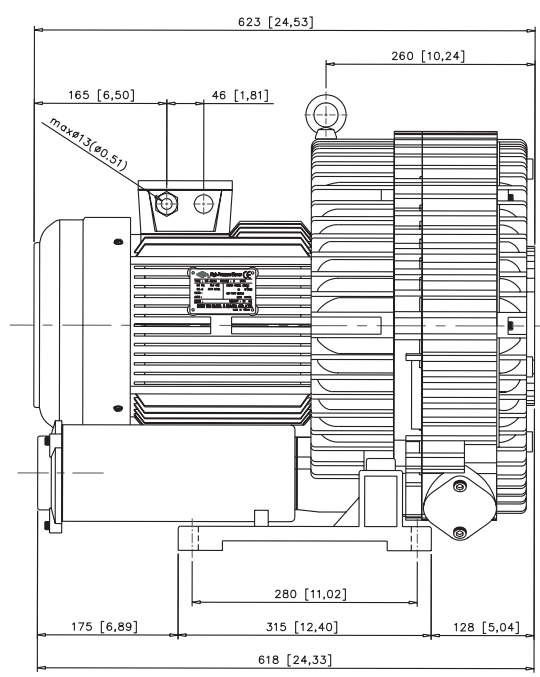
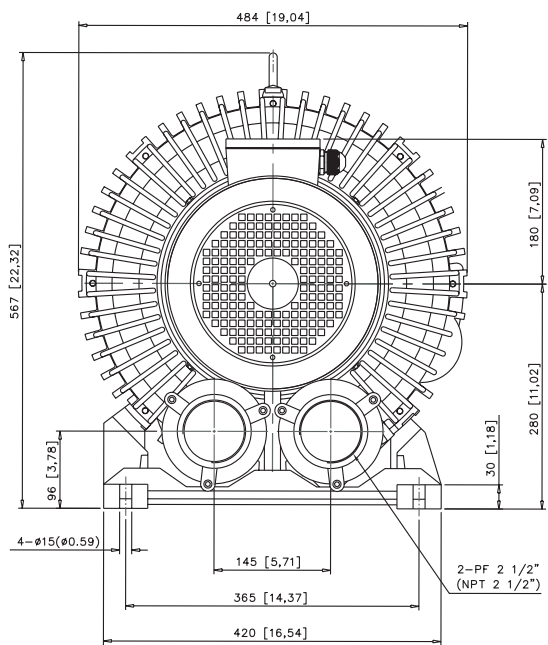
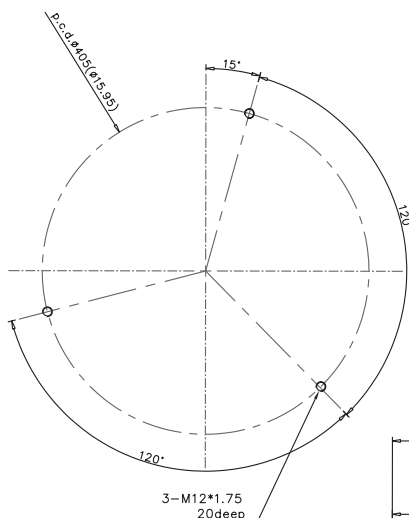
PRESSURE DATA CURVES ±10%
 [See reverse side for Vacuum Curves]



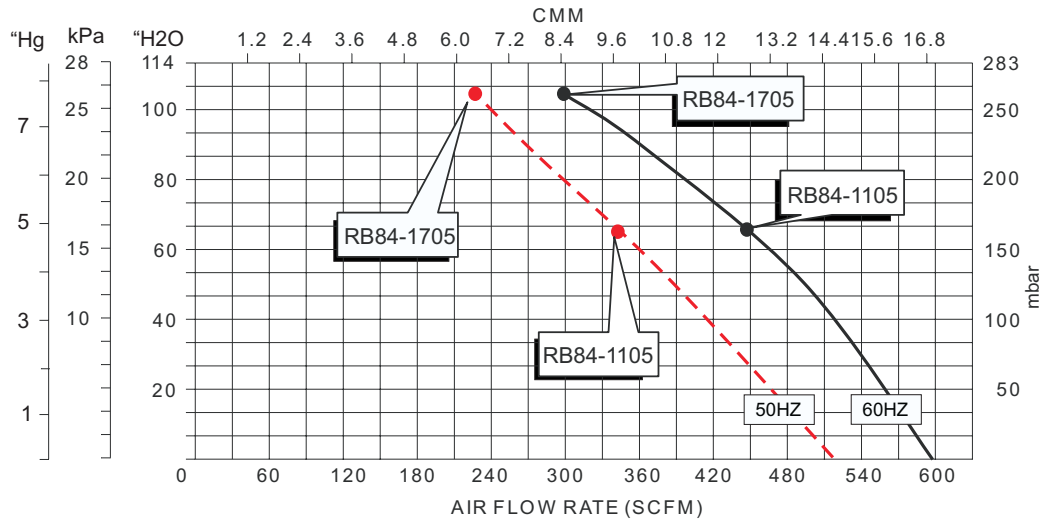
1.630.372.9222

ALL STAR™

Regenerative Blowers
Vacuum Pumps



VACUUM DATA CURVES

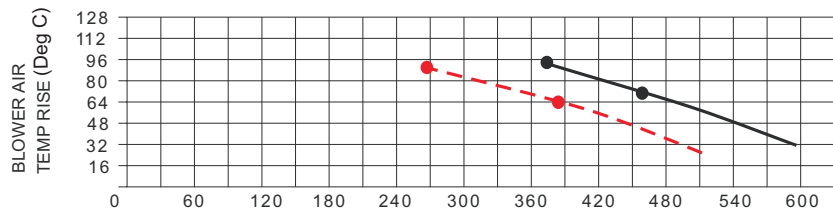
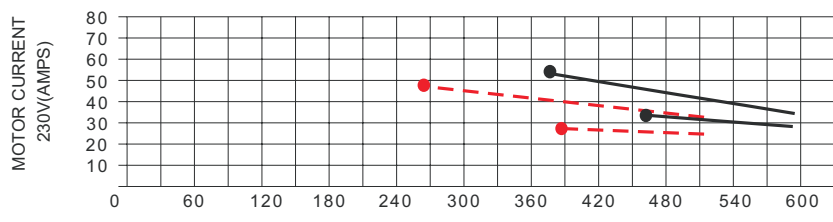
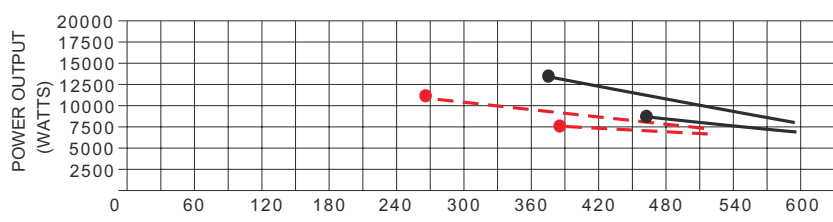
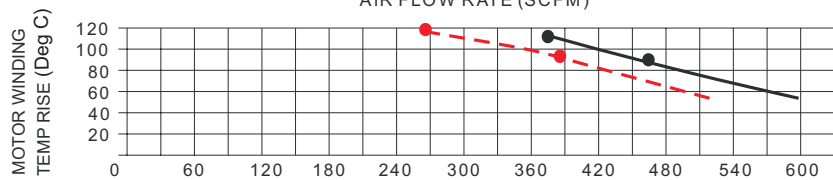
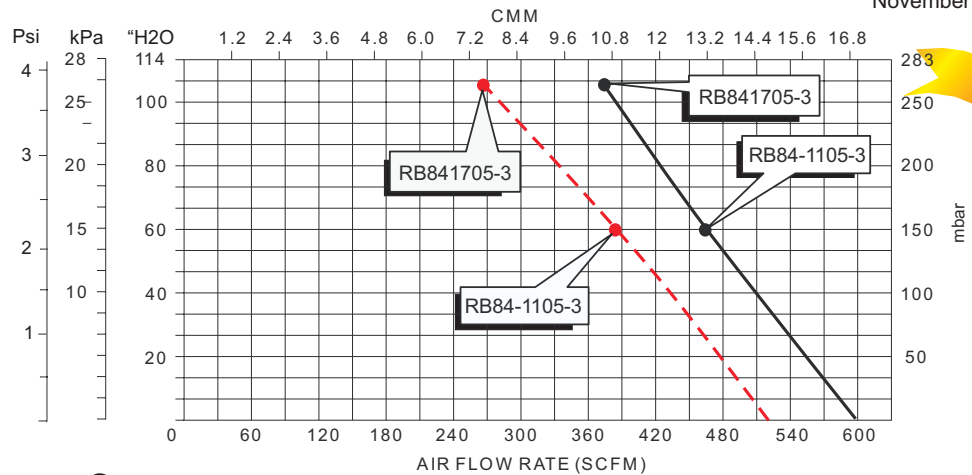


B84 Series - Pressure - Three Phase

60Hz

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/m³, ±10 %variance.

November 2006



B84 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/m³, ±10 %variance.

November 2006

