For over 90 years, Gast Manufacturing has been providing innovative air solutions to a broad breadth of customers. With the relatively recent addition of JUN-AIR, we have expanded our capabilities and formed, “The Gast Group.” Together, our diverse engineering background and pneumatic experience allow us to provide both component and system solutions to meet all of your pneumatic needs. And, all backed by our strong commitment to quality and customer support.

Products for Almost Any Application – Worldwide

We offer an extensive and versatile line of air-moving products, including vacuum pumps, compressors, air motors, gearmotors, vacuum generators, and regenerative blowers. We design and build these components for original equipment manufacturers worldwide, but we also develop complete pneumatic solutions to solve tough customer challenges.

To ensure fast, efficient delivery of products, Gast has a vast network of sales representatives/distributors throughout the United States and the world. Plus, we maintain direct sales and service facilities in Europe, Hong Kong, and Shanghai, China.

Unparalleled Design Expertise

Unlike other manufacturers, who might expect you to modify your pneumatic system to fit their available product(s), Gast is committed to finding the right product to meet your specific needs. If we don’t have a high-quality, off-the-shelf product to fit your existing application or meet your anticipated needs, we’ll propose customized cost-effective design options that will serve your special requirements. We can even develop and produce your complete pneumatic system for you.

Our experienced Research and Development engineers and Product engineers work together to analyze customer needs and use computer-aided design to generate timely solutions for air-handling problems. The design team has one goal: to create problem-solving solutions that capitalize on the latest available technology, meet all application requirements, and benefit from cost-effective production methods. The end result: products and solutions that are the best value in the marketplace for our customers.

A Lasting Commitment to Quality

We invest heavily in both equipment and people to maintain the consistent quality for which our products are known worldwide, and we have done so since day one. As early as 1983, we implemented a total quality process designed to ensure the quality of our products. In keeping with that tradition, Gast has achieved ISO 9001 certification, making us a member of the elite group of manufacturing companies in the world to receive that certification.

European Community Directives

With extensive sales outside the United States, Gast has pledged to conform to the European Community Directives. These directives contain essential requirements concerning health, safety, environment, and consumer protection for all products targeted for the European Community market. Currently, all Gast products available for sale in the European Community are in compliance with the Machinery, Low Voltage, and Electromagnetic Compatibility Directives.

Pictorial and dimensional data is subject to change without notice. The information presented is based on technical data and test results of nominal units. It is believed to be accurate and is offered as an aid in the selection of Gast products. It is the user’s responsibility to determine suitability of the product for intended use and the user assumes all risk and liability whatsoever in connection therewith. Environmental and application conditions may affect advertised life.
Why use a **Rotary Vane Pump**?

Rotary Vane vacuum pumps and compressors have certain significant advantages. In addition to providing smooth, pulse-free air flow without receiver tanks, they are compact (or equivalently offer high flow capacities for a given size), are simple and economical to install and operate, have low starting and running torque requirements, produce minimal noise or vibrations, are capable of long, service-free life, and are easily serviced.

If these features are what you need in your pneumatic application, a Gast Rotary Vane model can provide you the right solution.

**Reliable**
The moving parts consist of an actuating rod supported by two special synthetic rubber diaphragms. They oscillate laterally, permitting a minimum of 30,000 hours of continuous operation on many models. Other than the occasional filter cleaning, operation is virtually maintenance-free. Replacement parts come in a cassette.

**Energy Efficient**
Operation is based upon the principles of electromagnetic oscillation. It eliminates the need for sliding parts, minimizing power consumption.

**Clean Air**
Because there are no sliding parts there is no need for lubrication. An added advantage: the exhausted air is always clean and particle-free.

**Quiet**
Sound insulation was a prime consideration in the design of the pneumatic circuit and mechanical section. The result: a surprisingly low operating noise level – as low as 38 dB(a).

**Smooth Flow**
Uniform exhaust rate and minimal pulsation make the Linear products ideal for applications requiring consistent air pressure and supply.

---

**How Does a Rotary Vane Pump Work?**

Pumping action is produced by a series of sliding, flat vanes as they rotate in a cylindrical housing. As the diagram shows, an eccentrically mounted rotor turns and the individual vanes slide in and out of their slots by centrifugal and pressure-loading forces. This creates a series of air compartments of unequal volume against the wall of the housing. These compartments get larger during the suction part of the cycle, creating vacuum at the intake port and smaller during the discharge portion of the cycle, creating pressure at the exhaust port.

The vacuum and pressure flows are free of pulsation because the inlet and exhaust ports do not have valves, and the air is moved continuously rather than intermittently.

---

**Gast Rotary Vane and Vacuum Pumps Performance**

*Shown here are performance ranges of our positive displacement models. Performance shown on inside charts is for continuous operation. Higher performance is possible on an intermittent basis (10 min. on/10 min. off) for some of the models listed. Please consult our Factory.*
# Rotary Vane Performance Overview

The units that we list in this catalog are a small portion of what we actually make. Those listed are considered “standard units” and are normally available from stock in small quantities. Variations are produced for many customers and by passing on to us the application specifications we might find an existing unit that fits your requirement. If we don’t and the quantity is sufficient, we will design a “special unit” for the application.

Pictorial and dimensional data is subject to change without notice.

The information presented in this catalog is based on technical data and test results of nominal units. It is believed to be accurate and is offered as an aid in the selection of Gast products. It is the user’s responsibility to determine suitability of the product for intended use and the user assumes all risk and liability whatsoever in connection therewith.

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## Catalog Performance Specifications

The specifications listed are that of a unit at sea level with an ambient temperature of 70°F (21°C), operating with normal electrical current conditions. The figures stated in this catalog are nominal approximations for models without accessories. Intake filters and exhaust mufflers, and the accumulation of contaminants in them during operation, will decrease the flow of air as well as the achievable pressure.

<table>
<thead>
<tr>
<th>Model/Series</th>
<th>Motor Mounted</th>
<th>Separate Drive</th>
<th></th>
</tr>
</thead>
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<td>0.29</td>
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<td>0.17</td>
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<td>3.4</td>
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<tr>
<td>1290**</td>
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<td>7.5</td>
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</tbody>
</table>

*Standard model performance. Soil sparging model capable of 20 psi.

**Soil sparging model.
# Typical Applications

## Environmental Applications
- Air sampling
- Breathing air supply
- Sewage aeration
- Soil sparging

## Medical Applications
- Dental surgical suction
- Dental vacuum mixers
- Medical aspiration
- Circulation therapy

## Graphic Arts Applications
- Envelope openers
- Collating inserters
- Vacuum frames

## Other Applications
- Pond aeration
- Vacuum hold-down
- Vacuum forming
- Air bearings
- Oil atomization
- Food processing
- Laboratory vacuum
- Milking equipment
Unit Life Expectancy
Many variables determine the life expectancy of a unit. Among them are:
1. Ambient temperature
   Gast’s units operate best within a temperature range of 32 °F (0 °C) to 100 °F (38 °C). Lower temperatures affect a unit’s ability to start and higher temperatures affect its life. Contact the factory for authorization of unusual ambient conditions.
2. Duty level
3. Operating cycle
4. Operating speed
5. Condition of air handled
   • Cleanliness
   • Humidity
   • Heat
   • Chemical vapors present (corrosive, noncorrosive)
6. Unit maintenance
   • Lubrication (if required)
   • Filter maintenance
   • Muffler maintenance

Electric Motors
All electric motors supplied with Gast vacuum pumps are designed to operate at plus or minus 10% of nameplate voltage. Motors to meet special requirements are available upon request. Various brand-name motors are furnished on any model at the discretion of Gast.

Starting Under Load
Rotary vane units will start under load. The vanes permit the internal chamber of the unit to bleed off during the cycle. At start-up, the pump is not subjected to full load until enough centrifugal force has been attained to throw the vanes out against the body. By that time, the motor has gained enough momentum to continue its cycle without stress.

Continuous vs. Intermittent Operation
Continuous vs. intermittent duty usually must be considered. Our definition of intermittent duty is 10 minutes or less on and 10 minutes or more off. Please note that when you refer to performance curves in this catalog, the solid line indicates continuous operation, while the dashed line shows intermittent duty.

European Community’s Machinery Directive
Given its international perspective, Gast has also pledged to conform to the European Community’s Machinery Directive, a safety certification program for all products targeted for marketing in the European Community. Currently, all Gast products sold in the European Community are in compliance and include a Declaration Certificate.
Motor Mounted Rotary Vane
Oilless 1531 Series

Model 1531 Series (Ac & 12 Volt)
- 20 inHg max. vacuum
- 1.5 CFM open flow
- 10 psi max. pressure

Product Features
- Oilless operation
- Motor mounted
- Rugged construction/low maintenance
- Essentially pulse-free service

Includes
- Muffler/filter AA922H
- Thermal protector (on AC models only)

Recommended Accessories
- Vacuum relief valve Aa204
- Vacuum gauge Aa641
- Pressure relief valve Aa203
- Pressure gauge Aa644b
- Repair kit K219

Product Dimensions (inches, mm)
Dimensions are for reference only

Model 1531 (AC Motor)

Product Specifications
Note: All models listed can be used as either a vacuum pump or compressor.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
<th>Protector</th>
<th>Net Weight</th>
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<tr>
<td>1531-107B-G288X</td>
<td>100-110/100-115-50/60-1</td>
<td>3450</td>
<td>2850</td>
<td>1/10</td>
<td>•</td>
<td>8</td>
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<tr>
<td>1531-107B-G617</td>
<td>12 Volt DC</td>
<td>3450</td>
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<td>0,09</td>
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<tr>
<td>1531-107B-G289X</td>
<td>220-240/230-50/60-1</td>
<td>3450</td>
<td>2850</td>
<td>1/10</td>
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<td>1531-107B-G557X†</td>
<td>115-60/50-1</td>
<td>3450</td>
<td>2850</td>
<td>1/10</td>
<td>•</td>
<td>7</td>
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</tbody>
</table>

†Includes 10 ft. cord and switch.

Product Performance

FREE AIR FLow

CFM

VACUUM

PRESSURE

www.gastmfg.com  Gast Rotary Vane Compressors and Vacuum Pumps  7
Motor Mounted Rotary Vane
Oilless 0532, 1032, 1532 Series

Units shown without sound attenuator.

Only AC motor options shown.

Note: Sound attenuator adds approximately 1" (25.4 mm).

Product Features
- Oilless, pulse-free operation
- Motor mounted
- Low noise levels

Includes
- Low and high speed motor options
- Internal sound suppression/filtration
- Thermal protector (on AC Models only)
- Capacitor (untagged)
- On box controls for motor commutation on 24V BLDC 0532
- External cooling fan on low speed 1032 (untagged)
- Sound attenuator VG2016 (untagged)

Recommended Accessories
- Vacuum relief valve AA204
- Vacuum gauge AA641
- Pressure relief valve AA203
- Pressure gauge AA644B
- Repair kit K494A (0532), K497 (1032/1532)

Model 0532 series
20 inHg max. vacuum
0.6 CFM open flow
15 psi max. pressure

Model 1032 series
20 inHg max. vacuum
1.1 CFM open flow
10 psi max. pressure

Model 1532 series
20 inHg max. vacuum
1.5 CFM open flow
10 psi max. pressure

Product Dimensions (inches, mm)
Dimensions are for reference only

Models 0532, 1032

Product Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Model</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<td>1.32</td>
<td>0532</td>
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<td>1.51</td>
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</table>

www.gastmfg.com
Product Specifications
Note: All models listed can be used as either a vacuum pump or compressor.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
<th>Thermal Protector</th>
<th>Net Weight</th>
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<td>1032-101-G618X</td>
<td>220-240/230-50/60-1</td>
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<td>100-110/100-115-50/60-1</td>
<td>3450 2850</td>
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<td>8 3.6</td>
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<tr>
<td>1532-101-G289X</td>
<td>220-240/230-50/60-1</td>
<td>3450 2850</td>
<td>1/10</td>
<td>0.07</td>
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<td>8 3.6</td>
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<tr>
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<td>IP44 — 2850</td>
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<td>0.07</td>
<td>•</td>
<td>8 3.6</td>
</tr>
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</table>

*Available only in Europe.

Product Performance

0532 Series

Note:
24V BLDC performance is at approximately 3400 RPM.
Operation beyond 4000 RPM is not recommended.

1032, 1532 Series

www.gastmfg.com
Motor Mounted Rotary Vane
Oilless 2032, 3032 Series

Product Dimensions (inches, mm)
Dimensions are for reference only

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
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<td>3.69</td>
<td>2.07</td>
<td>3.38</td>
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</table>

Note: Sound attenuator adds approximately 1.25” (31.8 mm) to dimension H.

Includes
- Internal sound suppression/filtration
- Thermal protector (on all AC Models)
- Capacitor (unattached)
- Motor controls on 24V BLDC (unattached)
- Sound attenuator AK840A (unattached)

Recommended Accessories
- Vacuum relief valve AA204 or AA840A
- Vacuum gauge AA640
- Pressure relief valve AA600 or AA203
- Pressure gauge AA644B
- Repair kit K442A (2032), K554 (3032)
Product Specifications
Note: All models listed can be used as either a vacuum pump or compressor.

<table>
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<tr>
<th>Model Number</th>
<th>Motor</th>
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<th>kW</th>
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<td>0,12</td>
<td>•</td>
<td>10</td>
</tr>
</tbody>
</table>

*Available only in Europe.

Product Performance

Model 2032

Note:
DC models can achieve open flows between 1.25 and 1.85 CFM depending on varying RPM. max. vacuum and pressure is comparable to AC models.

Model 3032
Motor Mounted Rotary Vane
Lubricated or Oilless 0211 Series

Model 0211 Series
Lubricated:
- 20 inHg max. vacuum
- 20 psi max. pressure
- 1.3 CFM open flow

Oilless:
- 20 inHg max. vacuum
- 15 psi max. pressure
- 1.1 CFM open flow

0211 Lab Model
Lubricated:
Specially accessorized for laboratory use
- 20 inHg max. vacuum
- 20 psi max. pressure
- 1.3 CFM open flow

Product Features
- Lubricated or oilless operation
- Motor mounted
- Rugged construction/low maintenance
- Essentially pulse-free service
- Built-in pressure relief valve on standard units (Non-Lab Models)

Includes
Lubricated Standard Models:
- Muffler V425B
- Filter/oiler AA680K

Oilless Standard Models:
- Muffler/filter AA617G (2)

Lab Models (Lubricated):
- Gauges – Vacuum AA640, Pressure AA644B
- Hose barbs AA254C
- Regulators AA986B
- Carrying handle AC174
- Cord with on/off switch AA896
- Foot support assembly AC136
- Oilier/filter AA680J
- Muffler AB580B

Recommended Accessories
- Vacuum relief valve AA840A
- Vacuum gauge AA640 (Standard models)
- Pressure gauge AA644B (Standard models)
- Oil AD220
- Repair kit K216 (Lubricated vacuum models)
- Repair kit K217 (Lubricated pressure plus lab models)
- Repair kit K218 (Oilless, pressure or vacuum)

Product Dimensions (inches, mm)
Dimensions are for reference only

Lubricated Version

Lab Model (Lubricated)

Oilless Version
Product Specifications

Note: V/P can be used as vacuum pump or compressor, P = pressure model, V = vacuum model.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>60 Hz RPM</th>
<th>50 Hz RPM</th>
<th>HP</th>
<th>kW</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1725</td>
<td>1425</td>
<td>1/6</td>
<td>0.12</td>
<td>19</td>
</tr>
<tr>
<td>LUBRICATED</td>
<td>0211-P3B-G8CX (P)</td>
<td>115-60-1</td>
<td>1725</td>
<td>1/6</td>
<td>0.12</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>0211-V36A-G8CX (V)</td>
<td>115-60-1</td>
<td>1725</td>
<td>1/6</td>
<td>0.12</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>0211-V36A-G230CX (V)</td>
<td>220-50-1</td>
<td>1425</td>
<td>1/6</td>
<td>0.12</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>0211-V45F-G8CX (V)</td>
<td>115-60-1</td>
<td>1725</td>
<td>1/6</td>
<td>0.12</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>0211-V45F-G230CX (V/P)*</td>
<td>220-50-1</td>
<td>1425</td>
<td>1/6</td>
<td>0.12</td>
<td>19</td>
</tr>
<tr>
<td>OILLESS</td>
<td>0211-103A-G8CX (V/P)</td>
<td>115-60-1</td>
<td>1725</td>
<td>1/6</td>
<td>0.12</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>0211-103A-G230CX (V/P)</td>
<td>220-50-1</td>
<td>1425</td>
<td>1/6</td>
<td>0.12</td>
<td>17</td>
</tr>
</tbody>
</table>

*Lab Model

Product Performance

Lubricated Models

Oilless Models
Product Dimensions (inches, mm)
Dimensions are for reference only

Models 0323/0523

Models 0823/1023

Lab Models 0323/0523

Model 0323 Series (Vacuum Model)
25.0 inHg max. vacuum
3.2 CFM open flow

0323 Lab Model (Vacuum or Pressure)
Specially accessorized for laboratory use
25.0 inHg max. vacuum or 10 psi max. pressure
3.2 CFM open flow

Model 0523 Series (Vacuum Model)
26.5 inHg max. vacuum
4.5 CFM open flow

0523 Lab Model (Vacuum or Pressure)
Specially accessorized for laboratory use
26.0 inHg max. vacuum or 10 psi max. pressure
4.5 CFM open flow

Model 0823 Series (Vacuum Model)
26.5 inHg max. vacuum
8.0 CFM open flow

Model 1023 Series (Vacuum Model)
26.5 inHg max. vacuum
0.0 CFM open flow

Includes
• Foot support assembly AC136 (0323/0523) – Vacuum models
• Thermal protector (on Single Phase Units only)
• Oiler assembly AA930A (0323/0523) – Vacuum models
• Constant level oiler AD125K (0823/1023)
• Oil reservoir AD117 (0823/1023)
• Filter V400G (0323/0523), AB599 (0823/1023)
• Muffler V425K (0323/0523), AB599C (0823/1023)

Lab Models:
• Gauges – Vacuum AA640, Pressure AA644B
• Hose barbs AA254D
• Regulators AA886A
• Carrying handle AC174
• Cord with on/off switch AA896
• Foot support assembly AC136
• Muffler AB609B
• Filter AB609D
• Oilier assembly AA930B

Recommended Accessories
• Vacuum relief valve AA840A
• Vacuum gauge AA640
• Oil AD220
• Repair kit K485 (0323/0523) – Vacuum models
• Repair kit K486 (0823/1023)
• Repair kit K556 (0323/0523) – Lab models

Note: Foot assembly (included) not shown.
Product Specifications

Note: All models listed below are vacuum models only except for the V4 (lab models) which are set up for vacuum or pressure.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>RPM</th>
<th>Thermal Protector</th>
<th>Foot Ass'y</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>60 cycle</td>
<td>50 cycle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0323-V3-SG588DX</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>0,19</td>
<td>•</td>
<td>33</td>
</tr>
<tr>
<td>0323-V3-SG588DX*</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>0,19</td>
<td>•</td>
<td>35</td>
</tr>
<tr>
<td>0523-V3-SG588DX</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>0,19</td>
<td>•</td>
<td>33</td>
</tr>
<tr>
<td>0523-V803-G588DX*</td>
<td>110-120/220-240-50/60-1</td>
<td>1725</td>
<td>0,19</td>
<td>•</td>
<td>34</td>
</tr>
<tr>
<td>0523-V4-SG588DX*</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>0,19</td>
<td>•</td>
<td>35</td>
</tr>
<tr>
<td>0823-V2-SG608X</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>0,56</td>
<td>•</td>
<td>54</td>
</tr>
<tr>
<td>1023-V2-SG608X</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>0,56</td>
<td>•</td>
<td>54</td>
</tr>
<tr>
<td>1023-V2-G279</td>
<td>208-220/440-50/60-3</td>
<td>1725</td>
<td>0,56</td>
<td></td>
<td>54</td>
</tr>
</tbody>
</table>

*Lab Models

Product Performance

Vacuum Models

Lab Models

Note: Performance shown is for operation as a vacuum pump or compressor, not combined.
Motor Mounted Rotary Vane
Oilless 23 Series 0323, 0523, 0823, 1023, 1423 Models

Model 0323 Series
25 inHg max. vacuum
3.2 CFM open flow
10 psi max. pressure
3.2 CFM open flow

Model 0523 Series
26 inHg max. vacuum
4.5 CFM open flow
10 psi max. pressure
4.5 CFM open flow

Model 0823 Series (Vacuum Model)
26 inHg max. vacuum
8.0 CFM open flow
10 psi max. pressure
8.0 CFM open flow

Model 1023 Series
26 inHg max. vacuum
10.0 CFM open flow
10 psi max. pressure
10.0 CFM open flow

Model 1423 Series
25 inHg max. vacuum
13.2 CFM open flow
10 psi max. pressure
13.5 CFM open flow

Product Features
• Oilless operation
• Motor mounted
• Rugged construction/low maintenance
• Essentially pulse-free service

Includes
• Thermal protector (on Single Phase Units only)
• Internal muffler and filter
• External muffler and filter (1423 Model)
• Silencer: AK840A (0323)
AK840 (0523/0823/1023)
AC432 (1423 Models)
• Foot support assembly AC136 (0323/0523)

Recommended Accessories
• Vacuum relief valve AA840A (0523/0823/1023/1423)
• Pressure relief valve AA600
• Vacuum gauge AA640
• Repair kit K478 (0323/0523)
• Repair kit K479 (0823/1023)
• Repair kit K575A (1423)
Product Specifications

Note: Models listed below are single function compressors or vacuum pumps except for D101Q models, which are dual function.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>RPM 60 cycle</th>
<th>RPM 50 cycle</th>
<th>HP 3/4</th>
<th>Net Weight lbs</th>
<th>Net Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>0323-101Q-SG588DX</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,19</td>
<td>•</td>
</tr>
<tr>
<td>0523-101Q-SG588DX</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,19</td>
<td>•</td>
</tr>
<tr>
<td>0523-V103-SG588DX</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,19</td>
<td>•</td>
</tr>
<tr>
<td>0523-703Q-G588DX</td>
<td>110-120/220-240-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,19</td>
<td>•</td>
</tr>
<tr>
<td>0823-101Q-G279</td>
<td>208-220/440-60/50-3</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,56</td>
<td>47</td>
</tr>
<tr>
<td>0823-101Q-SG608X</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,56</td>
<td>47</td>
</tr>
<tr>
<td>0823-V103-SG608X</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,56</td>
<td>47</td>
</tr>
<tr>
<td>1023-101Q-SG608X</td>
<td>100-1210/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,56</td>
<td>47</td>
</tr>
<tr>
<td>1023-101Q-G279</td>
<td>208-220/440-50/60-3</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,56</td>
<td>47</td>
</tr>
<tr>
<td>1023-703Q-G279</td>
<td>208-220/440-50/60-3</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,56</td>
<td>52</td>
</tr>
<tr>
<td>1023-V103-SG608X</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,56</td>
<td>47</td>
</tr>
<tr>
<td>1023-703Q-ER80</td>
<td>220-240/380-440-50/60-3 IP44</td>
<td>1725</td>
<td>1425</td>
<td>3/4</td>
<td>0,56</td>
<td>48</td>
</tr>
<tr>
<td>1423-101Q-G626X</td>
<td>100-110/200-220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>1</td>
<td>0,75</td>
<td>53</td>
</tr>
<tr>
<td>1423-101Q-G625</td>
<td>220-240-380-415; 230/460-50/60-3</td>
<td>1725</td>
<td>1425</td>
<td>1</td>
<td>0,75</td>
<td>53</td>
</tr>
</tbody>
</table>

Product Performance

Gast Rotary Vane Compressors and Vacuum Pumps 17
Motor Mounted Rotary Vane Oilless AT Series

Model AT03 Series
10 psi max. pressure continuous duty
3.7 CFM open flow

Model AT05 Series
10 psi max. pressure continuous duty
15 psi max. pressure intermittent duty
4.8 CFM open flow

Product Features
- Oilless operation
- Motor mounted
- New motor design
  - Totally Enclosed Fan Cooled (TEFC) motor offers better protection against environmental conditions.
- Improved mounting stability
- UL Recognized (pressure only)

Product Dimensions (inches, mm)
Dimensions are for reference only

Product Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Voltage/ Frequency/Phase</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
<th>Rated Amperes</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT03-101-G215DX</td>
<td>115/60-1</td>
<td>1725</td>
<td>1/4</td>
<td>0.19</td>
<td>4.3</td>
<td>29.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>13.4</td>
</tr>
<tr>
<td>AT05-101-G215DX</td>
<td>115/60-1</td>
<td>1725</td>
<td>1/4</td>
<td>0.19</td>
<td>4.7</td>
<td>29.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>13.4</td>
</tr>
</tbody>
</table>

Product Performance

Includes
- Thermal protector
- Internal muffler and filter
- External inlet filter

Includes
- Thermal protector
- Internal muffler and filter
- External inlet filter

www.gastmfg.com
Motor Mounted Rotary Vane
Oilless 1223 Series

Model 1223-101Q-Sg608x
10 psi max pressure
25 inHg max vacuum
11.0 CFM open flow

Product Features
- Oilless operation
- Motor mounted
- Rugged construction/low maintenance
- Essentially pulse-free service

Includes
- Thermal protector (single phase units only)
- Internal muffler and filter
- External muffler and filter
- Silencer

Recommended Accessories
- Vacuum relief valve AA840A
- Vacuum gauge AA640
- Repair kit K479

Product Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>RPM 60 cycle</th>
<th>RPM 50 cycle</th>
<th>HP</th>
<th>kW</th>
<th>Thermal protector</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1223-101Q-SG608X</td>
<td>100-115/208-230/60-1</td>
<td>1725</td>
<td>—</td>
<td>3/4</td>
<td>0,56</td>
<td>•</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>100-110/220-240/50-1</td>
<td>—</td>
<td>1425</td>
<td></td>
<td></td>
<td></td>
<td>21,2</td>
</tr>
</tbody>
</table>

Product Performance

- CFM vs. inHg
- Vacuum vs. psig
- Pressure vs. mbar

Product Dimensions (inches, mm)
Dimensions are for reference only

Product Dimensions (inches, mm)

Model Number | Motor          | RPM 60 cycle | RPM 50 cycle | HP  | kW   | Thermal protector | Net Weight |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1223-101Q-SG608X</td>
<td>100-115/208-230/60-1</td>
<td>1725</td>
<td>—</td>
<td>3/4</td>
<td>0,56</td>
<td>•</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>100-110/220-240/50-1</td>
<td>—</td>
<td>1425</td>
<td></td>
<td></td>
<td></td>
<td>21,2</td>
</tr>
</tbody>
</table>
Motor Mounted Rotary Vane
Oilless 70 Series

Model 2070 Series
25.0 inHg max. vacuum
20.0 CFM open flow

Product Features
- Oilless operation
- Rugged construction/low maintenance
- Low noise

Includes
- Internal sound suppression
- Heavy duty internal filtration
- Vacuum gauge (AA640)
- Vacuum adjustable relief valve (AN226),

Recommended Accessories
- Gauges and relief valves for separate drive models. See above part numbers.
- Complete repair kit K560
- Filter/muffler kit K561
- Filter/muffler kit K563s

Units pictured without gauges.

Product Dimensions (inches, mm)
Dimensions are for reference only

Shaded areas indicate differences between dual and single function.
Dual function shown (both A & B)
Single function compressor – A only
Single function vacuum – B only

Adaptor and 4x M10 fasteners included (shipped unattached)
Attach adaptor to motor with (4) 3/8-16 socket head cap screws (not included)
and then attach this assembly to pump with (4) M10 fasteners (included).
Product Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>RPM 60 cycle</th>
<th>RPM 50 cycle</th>
<th>HP 1/2</th>
<th>kW 1.12</th>
<th>Net Weight</th>
<th>lbs</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>2070-V119</td>
<td>Not included</td>
<td>1725</td>
<td>1425</td>
<td>1 1/2</td>
<td>1.12</td>
<td>70</td>
<td>31.5</td>
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</tr>
<tr>
<td>2070-V128-T903X</td>
<td>100-110/200-240; 100-115/200-230; 50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>1 1/2</td>
<td>1.12</td>
<td>100</td>
<td>45.0</td>
<td></td>
</tr>
</tbody>
</table>

Product Performance

![Graph showing CFM, VACUUM, PRESSURE relationships with RPM and frequency (60 Hz and 50 Hz) with pressure units in inHg (mbar) and psig (bar)]
Separate Drive Rotary Vane
Oilless 533, 1033 Series

Model 0533-103A
20 inHg max. vacuum
0.6 CFM open flow
15 psi max. pressure

Model 1033-102A
20 inHg max. vacuum
1.1 CFM open flow
10 psi max. pressure

Product Features
- Oilless operation
- Rugged construction/low maintenance
- Essentially pulse-free service

Includes
- Muffler AA922G
- Filter AA922H

Recommended Accessories
- Vacuum relief valve AA204
- Vacuum gauge AA641
- Pressure relieve valve AA203
- Pressure gauge AA644B
- Coupling (.31" x .31") AE540E
- Repair kit K259 (0533), K219 (1033)

Product Dimensions (inches, mm)
Dimensions are for reference only

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>0533</td>
<td>2.6</td>
<td>4.4</td>
<td>11.0</td>
<td>103.1</td>
<td>6.4</td>
<td>43.0</td>
<td>57.2</td>
<td>50.8</td>
<td>139.7</td>
<td>15.7</td>
<td>9.7</td>
<td>38.1</td>
<td>7.9</td>
<td>38.1</td>
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<tr>
<td>0533</td>
<td>2.25</td>
<td>1.75</td>
<td>4.37</td>
<td>4.06</td>
<td>25</td>
<td>1.69</td>
<td>2.25</td>
<td>2.00</td>
<td>5.50</td>
<td>62</td>
<td>38</td>
<td>1.50</td>
<td>31</td>
<td>1.50</td>
</tr>
<tr>
<td>1033</td>
<td>2.6</td>
<td>4.4</td>
<td>115.8</td>
<td>108.0</td>
<td>6.4</td>
<td>43.0</td>
<td>57.2</td>
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Product Specifications

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<td>3450</td>
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</tr>
<tr>
<td>1033-102A</td>
<td>3450</td>
<td>2850</td>
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</table>

Product Performance

FREE AIR FLOW

CFM

VACUUM

PRESSURE

m³/h

CFM

1.2

1.0

0.8

0.6

0.4

0.2

0

0.5

1.5

1.0

0.5

1.0

0.5

0

0

inHg

25

20

15

10

5

0

psig

0

0.2

0.4

0.6

0.8

1.0

1.2

1.4

bar

0

200

400

600

800

1000

www.gastmfg.com
Separate Drive Rotary Vane
Oilless 1034, 1534 Series

Net wt. 3 lbs (1.36 kg)

**Model 1034-101**
- 20 inHg max. vacuum
- Flow to 1.57 CFM
- 10 psi max. pressure

**Model 1534-101**
- 20 inHg max. vacuum
- Flow to 2.2 CFM
- 10 psi max. pressure

**Product Features**
- Oilless, pulse free operation
- Rugged construction/low maintenance
- Low noise levels
- Internal sound suppression/filtration
- Includes sound attenuator VG2016 (unattached)

**Recommended Accessories**
- Vacuum relief valve AA204
- Vacuum gauge AA641
- Pressure relieve valve AA203
- Pressure gauge AA644B
- Coupling (.31” x .31”) AE540E
- Repair kit K497

**Product Dimensions (inches, mm)**
Dimensions are for reference only

![Product Dimensions Diagram](image)

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Product Performance

Model 1034

Model 1534
Separate Drive Rotary Vane
Lubricated or Oilless 0240, 0440, 0740 Series

Product Dimensions (inches, mm)
Dimensions are for reference only

Lubricated Vacuum Pump

Model 0240 Series
Lubricated:
15 inHg max. vacuum
1.9 CFM open flow
10 psi max. pressure

Model 0440 Series
Lubricated:
15 inHg max. vacuum
4.0 CFM open flow
10 psi max. pressure

Oilless:
20 inHg max. vacuum
4.0 CFM open flow
10 psi max. pressure

Model 0740 Series
Oilless:
20 inHg max. vacuum
6.0 CFM open flow
10 psi max. pressure

Product Features
• Lubricated or oilless operation
• Rugged construction/low maintenance
• Essentially pulse-free service

INCLUDES
Lubricated
• Oiler AA930B (0240/0440) AA930C (0740) – Vacuum pumps
• Oiler AA930F – Compressors
• Coupling assembly AE541A
• Muffler V425C (0240/0440), V500D (0740)
• Filter V400C (0240/0440)
• Filter B343B – Compressors

Oilless
• Muffler V425A (0240/0440), V525A (0740)
• Filter V400G (0240), V400C (0440), V500D (0740)
• Filter B343B – Vacuum pump and compressor
• Cooling fan (B340C)

Recommended Accessories
• Base AB324 (0240), AB325 (0440/0740)
• Vacuum relief valve AA840A
• Vacuum gauge AA640
• Pressure relief valve AA205 (0240), AA600 (0440)
• Pressure gauge AA644B
• Coupling AE541A (.50” x .50”) – Oilless models
• Coupling guard AE873
• Repair kit K225A (0240) K227A (0440), K229A (0740) – Oilless models
• Repair kit K224A (0240), K226A (0440), K228A (0740) – Lubricated models
• Oil AD220 – Lubricated models

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Gast Rotary Vane Compressors and Vacuum Pumps 25
**Product Dimensions (inches, mm)**

Dimensions are for reference only

**Oilless Vacuum Pump**

**Lubricated Compressor**

**Oilless Compressor**
Product Specifications

Note: “P” models are pressure, “V” models are vacuum.

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<th>RPM 50 cycle</th>
<th>HP</th>
<th>kW</th>
<th>Coupling Guard</th>
<th>Base</th>
<th>Coupling</th>
<th>Coupling</th>
<th>Net Weight</th>
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</table>

Product Performance

Lubricated

[Diagram of CFM vs. pressure and vacuum for lubricated models]

Oilless

[Diagram of CFM vs. pressure and vacuum for oilless models]

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Gast Rotary Vane Compressors and Vacuum Pumps 27
Separate Drive Rotary Vane
Lubricated 0465, 0765 Series

Model 0465 Series
28 inHg max. vacuum
4.0 CFM open flow

Model 0765 Series
28 inHg max. vacuum
6.0 CFM open flow

Product Features
• Lubricated operation
• Rugged construction/low maintenance
• Essentially pulse-free service

Includes
• Oiler
• Muffler V525
• Filter V500D
• Cooling fan B340C
• Coupling assembly AE541A (0465), AE541C (0765)

Recommended Accessories
• Base AB325
• Vacuum relief valve AA840A
• Vacuum gauge AA640
• Coupling guard AE873
• Oil AD220
• Repair kit K234 (0465), K235 (0765)

Product Dimensions (inches, mm)
Dimensions are for reference only

<table>
<thead>
<tr>
<th>Model</th>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<th>G</th>
<th>H</th>
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<th>J</th>
<th>K</th>
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<td>169.9</td>
<td>138.2</td>
<td>79.2</td>
<td>390.7</td>
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Product Performance

Product Specifications

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<tr>
<th>Model Number</th>
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<th>Net Weight</th>
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</table>
Separate Drive Rotary Vane
Oilless 1550 Series

Model 1550 Series
20 inHg max. vacuum
14.5 CFM open flow
15 psi max. pressure

Product Features
• Oilless operation
• Pulley driven (multiple speeds possible)
• Rugged construction/low maintenance
• Essentially pulse-free service

Includes (On Standard Models)
• Filter AB600F (Vacuum pump)/AC433 (Compressor)
• Muffler AB600J (Vacuum pump)
• Cooling fan AC326C
• 5” P.D. pulley AB140

Recommended Accessories
• Base AB897A (Vacuum pump)/AB889A (Compressor)
• Belt guard AB332B (Vacuum pump)
• Belt guard AB334B (Compressor)
• Vacuum relief valve AA840A
• Pressure relief valve AA600
• Vacuum gauge AA640
• Pressure gauge AA644B
• Repair kit K231A
• Repair kit K234 (0465), K235 (0765)

Product Dimensions (inches, mm)
Dimensions are for reference only

Vacuum Pump

Vacuum Pump

1/2 NPT

15.50 APPROX. 393,7

5.00 127,0

9.62 APPROX. 244,4

4.00 101,6

5.00 127,0

0.75 NOM. 19,1

DIA. HOLES (4)

3.12 79,5

6.25 158,8

0.41 10,4

5.00 127,0

15.50 APPROX. 393,7

10.00 APPROX. 254,0

5.00 APPROX. 127,0

10.00 APPROX. 254,0

3.88 98,6

2.25 57,2

1.12 28,5
### Product Dimensions (inches, mm)
Dimensions are for reference only

![Diagram of compressor dimensions]

### Product Specifications
**Note:** “P” models are pressure, “V” models are vacuum.

<table>
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<th>Model Number</th>
<th>Motor</th>
<th>Belt Guard</th>
<th>Base</th>
<th>Thermal Protector</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
<th>Net Weight</th>
<th>lbs</th>
<th>kg</th>
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<td>1725</td>
<td>1 1/2</td>
<td>1.1</td>
<td>89</td>
<td>40.1</td>
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<td>3/4</td>
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<td>14.9</td>
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<td>1725</td>
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*Available only in Europe.

### Product Performance

![Graph of CFM vs. Vacuum and Pressure]
Separate Drive Rotary Vane
Lubricated 1065, 2065, 2565 Series

Product Dimensions (inches, mm)
Dimensions are for reference only

Note: One piece coupling (AE542A) used on 1065, 3 piece (AE543B) used on 2065/2565.

Model 1065 Series
28 inHg max. vacuum
8.5 CFM open flow
25 psi max. continuous pressure

Model 2065 Series
28 inHg max. vacuum
17.0 CFM open flow
15 psi max. continuous pressure

Model 2565 Series
28 inHg max. vacuum
21.0 CFM open flow
15 psi max. continuous pressure

Product Features
• Lubricated operation
• Rugged construction/low maintenance
• Essentially pulse-free service

Includes (On Standard Models)
• Filter AC432 (1065), AC435 (2065/2565) – Compressors
• Pressure lubricator A380C (1065), AA95A (2065/2565)
• Pressure gauge AA644B
• Filter AA800C (1065), AA900D (2065/2565) – Vacuum pumps
• Muffler AA800D (1065), AA800E (2065/2565) – Vacuum pumps
• Oil reservoir AA960-1 (2065, 2565) AA960-2 (1065)
• Fan guards AC102B, AC102C
• Fan AC326A (1065), AC326C (2065/2565)
• Coupling assembly AE542A (1065), AE543B (2065/2565)
• Vacuum lubricator V40C

Recommended Accessories
• Base AB320H (1065), AB320F (2065/2565)
• Coupling guard AE873
• Vacuum relief valve AA840A (1065), AA308 (2065/2565)
• Vacuum gauge AA640
• Oil AD220
• Pressure relief valve AA600 (1065), AA307 (2065/2565)
• Repair kit K297 (1065), K295 (2065), K296 (2565)

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Gast Rotary Vane Compressors and Vacuum Pumps 31
GAST
Separate Drive Rotary Vane
Lubricated 1065, 2065, 2565 Series

Product Dimensions (inches, mm)
Dimensions are for reference only

Product Specifications
Note: “P” models are pressure, “V” models are vacuum.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
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*Available only in Europe.

Product Performance
Gast Rotary Vane Compressors and Vacuum Pumps

Separate Drive Rotary Vane
Lubricated or Oilless 2067, 2567 Series

Product Dimensions (inches, mm)
Dimensions are for reference only

**Lubricated Versions**
Vacuum Pump (U.S. Models)
Nema 56 Frame, C Face, Inlet 3/4 In. Npt

Compressor (U.S. Models)
Nema 56 Frame, C Face, Inlet 3/4 In. Npt

**MODEL 2067 SERIES**

**LUBRICATED:**
- 28 inHg max. vacuum
- 17 CFM open flow
- 15 psi max. pressure

**OILLESS:**
- 27 inHg max. vacuum
- 17 CFM open flow
- 15 psi max. pressure

**MODEL 2567 SERIES**

**LUBRICATED:**
- 28 inHg max. vacuum
- 21 CFM open flow
- 15 psi max. pressure

**OILLESS:**
- 27 inHg max. vacuum
- 21 CFM open flow
- 15 psi max. pressure

**Product Features**
- Close coupled/easy motor mounting
- Rugged construction/low maintenance
- Essentially pulse-free service

**INCLUDES**
- Fan guards AC102C, AH194A
- Fan/coupling assembly AH198
- Filter AA900D (Vacuum pump) – Lubricated
- Filter AC435 (Compressor) – Lubricated
- Muffler AA900E (Vacuum pump) – Lubricated
- Filter AA905G (Compressor) – Oilless
- Muffler AA900F (Vacuum pump) – Oilless
- Oil reservoir AA960-1
- Vac lubricator V40C
- Pressure lubricator AA95A
- Pressure gauge AA644B (U.S.) – Lubricated

**Recommended Accessories**
- Vacuum relief valve AA308 (U.S. Models)
- Vacuum gauge AA640 (U.S. Models)
- Pressure relief valve AA307 (U.S. Models)
- Pressure gauge AA644B – Oilless
- Oil AD220
- Repair kit K349 – Lubricated
- Repair kit K350 – Oilless

www.gastmfg.com
Product Specifications

Note: “P” models are pressure, “V” models are vacuum.

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<th>Model Number</th>
<th>Motor</th>
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* Available only in Europe
Oilless Versions

Vacuum Pump (U.S. Models)
Nema 56 Frame, C Face, Inlet 3/4 In. Npt

Compressor (U.S. Models)
Nema 56, C Face

Vacuum Pump (Metric Models)
Inlet 3/4 In. Bsp
Product Specifications

Note: “P” models are pressure, “V” models are vacuum.

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</tbody>
</table>

*Available only in Europe.

Product Performance

Lubricated

Oilless

www.gastmfg.com

Gast Rotary Vane Compressors and Vacuum Pumps
Separate Drive* Rotary Vane
Oilless 2567 Series

Model 2567 Series
Dual Function
Ideal for graphic arts applications where simultaneous vacuum and pressure are needed.
Max. vacuum (with 5 psi back pressure) 20 inHg
Open flow (vacuum side) 15 CFM

Product Features
• Oilless operation
• Dual pump performance with (1) pump/motor
• "Universal" motor included
• Rugged construction/low maintenance

Recommended Accessories
• Vacuum gauge AA640
• Pressure gauge AA644B
• Repair kit K350

Product Dimensions (inches, mm)
Dimensions are for reference only

Product Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>RPM 60 Hz</th>
<th>RPM 50 Hz</th>
<th>HP (60 Hz)</th>
<th>kW (60 Hz)</th>
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Product Performance

Vacuum Flow at 5 psig (0,35 bar) | Pressure Flow at 15 in. Hg (105 mbar)

m³/h |

CFM  |

VACUUM  |

PRESSURE  |

mbar 400 |

Gast Rotary Vane Compressors and Vacuum Pumps 37

www.gastmfg.com
Model shown without gauge or relief valve which are attached on standard motor mounted units.

Model 2080 Series
26 inHg max. vacuum
25 CFM open flow
15 psi max. pressure

Model 2080 Dual Function
Ideal for graphic arts applications where simultaneous vacuum and pressure are needed.
9 psi max. pressure (@ 18 inHg)
15 CFM open flow (pressure side)

Model 3080 Series
26 inHg max. vacuum
35 CFM open flow
15 psi max. pressure

Model 3080 Dual Function
Ideal for graphic arts applications where simultaneous vacuum and pressure are needed.
9 psi max. pressure (@ 18 inHg)
21 CFM open flow (pressure side)

Model 4080 Series
25 inHg max. vacuum
45 CFM open flow
15 psi max. pressure

Model 4080 Dual Function
Ideal for graphic arts applications where simultaneous vacuum and pressure are needed.
9 psi max. pressure (@ 18 inHg)
25 CFM open flow (pressure side)

Product Features
• Oilless operation
• Rugged construction/low maintenance
• Low noise

Includes
• Internal sound suppression
• Heavy duty internal filtration
• Vacuum adjustable relief valve *AN226, metric version AN226A (Vacuum pump, dual function)
• Pressure adjustable relief valve *AN225, metric version AN225A (Compressor, dual function)
• Vacuum gauge *AA640 (Vacuum pump, dual function)
• Pressure gauge *AA644B (Compressor, dual function)
* Not included in separate drive models

Recommended Accessories
• Filter/muffler kits:
  K552 (Compressor or vacuum pump)
  K547 (Dual function models)
• Complete repair kits:
  K546 (Compressor or vacuum pump)
  K551 (Dual function models)
Product Dimensions (inches, mm)
Dimensions are for reference only

Vacuum Pump
Top View

Compressor
Top View

Side View

Dual Function
Top View

Side View

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Gast Rotary Vane Compressors and Vacuum Pumps 39
Product Specifications

Note: “P” models are pressure, “V” models are vacuum, “D” models are dual function.

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<td>1725</td>
<td>5</td>
<td>3.7</td>
<td>135</td>
<td>60.8</td>
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</tbody>
</table>

*Gast recommends magnetic starter for electric motor, consult electrician for correct size.

Product Performance

Single Function

Dual Function
Separate Drive Rotary Vane
Lubricated or Oilless 3040 Series

Product Dimensions (inches, mm)
Dimensions are for reference only
Lubricated Vacuum Pump

Model 3040 Series
20 inHg max. vacuum
10 psi max. pressure
31 CFM open flow (oilless)
40 CFM open flow (lubricated)

Features
• Lubricated or oilless operation
• Pulley driven (multiple speeds available)
• Rugged construction/low maintenance
• Essentially pulse-free service

Includes
• Filter AA900D (Oilless)
  AB650C (Lubricated) – Vacuum pumps
• Filter AD750 – Compressors
• Muffler AA900F (Oilless)
  AA900E (Lubricated) – Vacuum pumps
• Oil reservoir AA960A-1
• Vacuum-actuated lubricator V40C (Lubricated)
• Pressure lubricator AD730
• 6.5” P.D. pulley AC374B
• Fan AD236 – Vacuum pumps and oilless compressor

Recommended Accessories
• Base AB898A – Vacuum pumps
• Base AB898B – Compressors
• Belt guard AB331A
• Vacuum relief valve AA308
• Pressure relief valve AA307
• Vacuum gauge AA640
• Pressure gauge AA644B
• Oil AD220 (Lubricated)
• Check valve AH326A – Vacuum pumps
• Repair kit K233A (Oilless), K232A (Lubricated)
Product Dimensions (inches, mm)
Dimensions are for reference only

Oilless Vacuum Pump

Lubricated Compressor

Oilless Compressor

www.gastmfg.com
Product Specifications

Note: “P” models are pressure, “V” models are vacuum.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>Base</th>
<th>Guard</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
<th>lbs</th>
<th>kg</th>
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<td>•</td>
<td>1325</td>
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<td>2.2</td>
<td>130</td>
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<td>145</td>
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<td>1.5</td>
<td>100</td>
<td>45.0</td>
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<td>2</td>
<td>1.5</td>
<td>148</td>
<td>66.6</td>
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</table>

*Available only in Europe.

Product Performance

Lubricated

Oilless

www.gastmfg.com

Gast Rotary Vane Compressors and Vacuum Pumps 43
Separate Drive Rotary Vane
Lubricated 4565 Series

Model 4565 Series
25 inHg max. vacuum
47.5 CFM open flow
15 psi max. pressure

Product Features
- Lubricated operation
- Pulley driven (multiple speeds available)
- Rugged construction/low maintenance
- Essentially pulse-free service

Includes
- Oil reservoir AA960A-1
- 6.5" P.D. pulley AC376B for "A" section belts
- Filter/muffler AD560 (2) on vacuum pump
- Filter AD750 (Compressor)
- Fan AD721
- Vacuum-actuated lubricator V40C (2)
- Pressure lubricator AD730

Recommended Accessories
- Base AB322C
- Vacuum relief valve AA308
- Pressure relief valve AA307
- Vacuum gauge AA640
- Pressure gauge AA644B
- Oil AD220
- Belt guard AB331B-1
- Repair kit K242 (Vacuum Pump)
- Repair kit K243 (Compressor)

Product Dimensions (inches, mm)
Dimensions are for reference only

Vacuum Pump

Compressor

www.gastmfg.com
Product Specifications Note: “P” models are pressure, “V” models are vacuum.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>Base</th>
<th>Belt Guard</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
<th>Net Weight</th>
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<td>4565-P3</td>
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<td>—</td>
<td>1725</td>
<td>5</td>
<td>3.7</td>
<td>103, 46.4</td>
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<td>4565-V6 /4565-V6A</td>
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<td>—</td>
<td>—</td>
<td>1725</td>
<td>3</td>
<td>2.2</td>
<td>105, 47.3</td>
</tr>
<tr>
<td>4565-V15D</td>
<td>—</td>
<td>•</td>
<td>•</td>
<td>1350</td>
<td>3</td>
<td>2.2</td>
<td>127, 57.2</td>
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<tr>
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<td>•</td>
<td>1350</td>
<td>3</td>
<td>2.2</td>
<td>187, 84.2</td>
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<td>•</td>
<td>1725</td>
<td>3</td>
<td>2.2</td>
<td>127, 57.2</td>
</tr>
<tr>
<td>4565-V15E-T338</td>
<td>230/460-60-3</td>
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<td>•</td>
<td>1725</td>
<td>3</td>
<td>2.2</td>
<td>187, 84.2</td>
</tr>
</tbody>
</table>

*Model 4565-V6 is the stock version and comes with plumbing unattached.

Product Performance

[Diagram showing air flow rates at different pressures and RPMs]

www.gastmfg.com  Gast Rotary Vane Compressors and Vacuum Pumps 45
Separate Drive Rotary Vane
Lubricated 5565 Series

Model 5565 Series
25 inHg max. vacuum
55 CFM open flow

Product Features
• Lubricated operation
• Rugged construction/low maintenance
• Essentially pulse-free service

Includes
• Filter AD560
• Muffler AD560B
• Oil reservoir AD185
• Motorized lubricator AD190-V4
• Coupling AE544B-1 (.88” x 1.13”)

Recommended Accessories
• Base AB322E
• Vacuum relief valve AE961
• Vacuum gauge AA640
• Oil AD220
• Repair kit K299
• Coupling guard AH380B-1

Product Dimensions (inches, mm)
Dimensions are for reference only

Product Specifications Note: “P” models are pressure, “V” models are vacuum.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>Base</th>
<th>Belt Guard</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4565-P3</td>
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<td>—</td>
<td>—</td>
<td>1725</td>
<td>5</td>
<td>3.7</td>
<td>103 lbs</td>
</tr>
<tr>
<td>4565-V6* /4565-V6A</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>1725</td>
<td>3</td>
<td>2.2</td>
<td>105 lbs</td>
</tr>
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<td>4565-V15D</td>
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<td>127 lbs</td>
</tr>
<tr>
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<td>230/460-60-3</td>
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<td>•</td>
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<td>3</td>
<td>2.2</td>
<td>187 lbs</td>
</tr>
<tr>
<td>4565-V15E</td>
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<td>1725</td>
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<td>2.2</td>
<td>127 lbs</td>
</tr>
<tr>
<td>4565-V15E-T338</td>
<td>230/460-60-3</td>
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<td>•</td>
<td>1725</td>
<td>3</td>
<td>2.2</td>
<td>187 lbs</td>
</tr>
</tbody>
</table>

*Model 4565-V6 is the stock version and comes with plumbing unattached.

Includes
• Filter AD560
• Muffler AD560B
• Oil reservoir AD185
• Motorized lubricator AD190-V4
• Coupling AE544B-1 (.88” x 1.13”)

Recommended Accessories
• Base AB322E
• Vacuum relief valve AE961
• Vacuum gauge AA640
• Oil AD220
• Repair kit K299
• Coupling guard AH380B-1

Product Dimensions (inches, mm)
Dimensions are for reference only

Product Specifications Note: “P” models are pressure, “V” models are vacuum.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>Base</th>
<th>Belt Guard</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4565-P3</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>1725</td>
<td>5</td>
<td>3.7</td>
<td>103 lbs</td>
</tr>
<tr>
<td>4565-V6* /4565-V6A</td>
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<td>—</td>
<td>—</td>
<td>1725</td>
<td>3</td>
<td>2.2</td>
<td>105 lbs</td>
</tr>
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<td>4565-V15D</td>
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<td>1350</td>
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<td>127 lbs</td>
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<tr>
<td>4565-V15D-T338</td>
<td>230/460-60-3</td>
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<td>•</td>
<td>1350</td>
<td>3</td>
<td>2.2</td>
<td>187 lbs</td>
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<tr>
<td>4565-V15E</td>
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<td>2.2</td>
<td>187 lbs</td>
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</table>

*Model 4565-V6 is the stock version and comes with plumbing unattached.
Separate Drive Rotary Vane
Oilless 6066 Series

Model 6066 Series
25 inHg max. vacuum
55 CFM open flow
15 psi max. pressure

Product Features
• Oilless operation
• Rugged construction/low maintenance
• Essentially pulse-free service

Includes
• Filter AD560
• Muffler AD560B
• Coupling AE544B-1 (0.88" x 1.13")
  – Vacuum pump
• Coupling AE765 (0.88" x 1.13") – Compressor
• Check valve AH326B

Recommended Accessories
• Vacuum relief valve AE961
• Pressure relief valve AA307
• Vacuum gauge AA640
• Pressure gauge AA644B
• Coupling guard AH380B-1
• Base AB322E
• Repair kit K503

Product Dimensions (inches, mm)
Dimensions are for reference only

Vacuum Pump

Compressor

Drawing shown without standard muffler and filter, which ship unattached.
Product Specifications Note: “P” models are pressure, “V” models are vacuum.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>Base</th>
<th>Coupling</th>
<th>Guard</th>
<th>RPM</th>
<th>HP</th>
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<td>lbs</td>
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*Available only in Europe.

Product Performance

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<td>0.3</td>
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Separate Drive Rotary Vane Oilless 6066 Series

www.gastmfg.com
Units are supplied with special, high capacity filtration plus motors that allow up to 30% more pressure than the standard model counterpart.

Recommended Accessories
- Pressure gauge AA644B
- Relief valves:
  - AA600 (0823)
  - AN225 (2080, 3080)
  - AA307 (2067, 2567, 6066, 1290)
- Repair kits:
  - K479A (0823)
  - K546 (2080, 3080)
  - K585 (filter/muffler kit for 2080)
  - K584 (filter/muffler kit for 3080)
  - K357 (2067, 2567)
  - K503 (6066, 1290 – use 2)

**Product Features**
- Oilless operation
- Rugged construction/low maintenance
- Heavy-duty filters

**Model 0823**
- 10 psi max. continuous pressure
- 8 CFM open flow

**Models 2080/3080**
- 15 psi max. pressure
- 25-35 CFM open flow

**Models 2067/2567**
- 20 psi max. pressure
- 17-21 CFM open flow

**Models 6066**
- 20 psi max. pressure
- 37-55 CFM open flow

**Models 1290**
- 20 psi max. pressure
- 112 CFM open flow
Special Purpose Units – Compressors for Soil Sparging
Oilless 0823, 2080/3080, 2067/2567, 6066, and 1290 Series

Product Dimensions (inches, mm)
Dimensions are for reference only

Model 0823

Models 2080/3080

Top View

Side View

Models 2067/2567

Models 6066

Models 1290

www.gastmfg.com
Gast Rotary Vane Compressors and Vacuum Pumps
Up to 112 CFM
Product Specifications

Note: All models are compressors.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>RPM 60 cycle</th>
<th>HP</th>
<th>kW</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0823-P155-SG608X*</td>
<td>100-110/220-240-50-1 110-115/208-230-60-1</td>
<td>1725</td>
<td>1425</td>
<td>¾</td>
<td>0,56</td>
</tr>
<tr>
<td>2080-P124-T337†</td>
<td>230/460-60-3</td>
<td>1725</td>
<td>—</td>
<td>2</td>
<td>1,5</td>
</tr>
<tr>
<td>3080-P124-T338†</td>
<td>208-230/460-60-3</td>
<td>1725</td>
<td>—</td>
<td>3</td>
<td>2,2</td>
</tr>
<tr>
<td>2067-P118-G470X†</td>
<td>115/230-60-1</td>
<td>1725</td>
<td>—</td>
<td>1½</td>
<td>1,1</td>
</tr>
<tr>
<td>2067-P118-G471*†</td>
<td>220/380-415-50-3 208-230/460-60-3</td>
<td>1725</td>
<td>1425</td>
<td>1</td>
<td>0,75</td>
</tr>
<tr>
<td>2067-P132-T908X†</td>
<td>115/230-60-1</td>
<td>1725</td>
<td>—</td>
<td>2</td>
<td>1,5</td>
</tr>
<tr>
<td>6066-P122A</td>
<td>For 213T or 215T frame motor</td>
<td>1725</td>
<td>—</td>
<td>7 ½</td>
<td>5,6</td>
</tr>
<tr>
<td>6066-P122-T339***†</td>
<td>208-230/460-60-3</td>
<td>1725</td>
<td>—</td>
<td>5</td>
<td>3,7</td>
</tr>
<tr>
<td>1290-P110</td>
<td>For 215T frame motor</td>
<td>1725</td>
<td>—</td>
<td>10</td>
<td>7,5</td>
</tr>
<tr>
<td>1290-P110A</td>
<td>For 254T frame motor</td>
<td>1725</td>
<td>—</td>
<td>15</td>
<td>11,1</td>
</tr>
</tbody>
</table>

*For 50 Hz performance, reduce air flow on grid by approximately 17%.
***These models are capable of 15 psi max. performance, reference performance grid below.
†Also available as separate drive, less the motor. To order as a separate drive version, specify the first two sets of digits only of this model number.
Consult factory or distributor for the correct Nema frame size motor to use. Customer supplied motor must have minimum service factor of 1.15.

Product Performance

**Note:** CFMs and pressures are shown on the grid below.

- **FREE AIR FLOW**
  - m³/h: 200, 160, 120, 80, 40, 20
  - CFM: 120, 100, 80, 60, 40, 20

- **PRESSURE**
  - psig: 20, 15, 10, 5, 2
  - bar: 1, 0, 0.5, 0.2, 0.1

- **Model Numbers:**
  - 0823-P155-SG608X
  - 2080-P124-T337
  - 3080-P124-T338
  - 2067-P118-G470X
  - 2067-P118-G471
  - 2067-P132-T908X
  - 6066-P122A
  - 6066-P122-T339
  - 1290-P110
  - 1290-P110A

- **Motor Specifications:**
  - RPM: 1725
  - HP: ¾, 2, 3, 1½, 1, 2
  - kW: 0,56, 1,5, 2, 1,1, 0,75
  - Net Weight: lbs 50, 135, 160, 84, 84, 85, 88, 205, 220, 230
  - kg 22,5, 60,8, 72,0, 37,8, 38,3, 39,6, 92,3, 99,7, 104,0

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