ROTARY VANE COMPRESSORS & VACUUM PUMPS
Here’s how our Rotary Vane performance compares with that of our other popular positive displacement vacuum pumps and compressors. Use these charts to see if a Rotary Vane pump is the right choice for your application.

## 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.

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**Warning: Units Should Not Pump Combustible Gases or Be Used in Combustible Ambients**

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## Typical Applications

- Breathing Air Supply
- Circulation Therapy
- Packaging
- Graphic Arts
- Pond Aeration
- Vacuum Hold-Down
- Air Sampling
- Office/Business Machines
- Food Processing Equipment
- Laboratory Use
- Soil Sparging
- Vacuum Forming
- Air Bearings

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.
1. Ambient temperature expectancy of a unit. Among them are:
Many variables determine the life of the unit and the application. 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

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 pressure 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.

Product and Application Information

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.

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.

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 CE 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.
Oilless 1531 Series

MODEL 1531 SERIES (AC & 12 Volt)
20” HG MAX. VAC., 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
• Thermotector (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 (mm, inches)
Dimensions are for reference only.

Model 1531 (AC Motor)

FREE AIR FLOW

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 60 cycle</th>
<th>RPM 50 cycle</th>
<th>HP 1/10</th>
<th>kW 0.07</th>
<th>Thermotector</th>
<th>Net Wt. lbs.</th>
<th>Net Wt. kg</th>
</tr>
</thead>
<tbody>
<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>0.07</td>
<td></td>
<td>8</td>
<td>3.6</td>
</tr>
<tr>
<td>1531-107B-G617</td>
<td>12 Volt DC</td>
<td>3450</td>
<td></td>
<td>1/8</td>
<td>0.09</td>
<td></td>
<td>9</td>
<td>4.1</td>
</tr>
<tr>
<td>1531-107B-G289X</td>
<td>220-240/230-50/60-1</td>
<td>3450</td>
<td>2850</td>
<td>1/10</td>
<td>0.07</td>
<td></td>
<td>7</td>
<td>3.2</td>
</tr>
<tr>
<td>1531-107B-G557X†</td>
<td>115-60/50-1</td>
<td>3450</td>
<td>2850</td>
<td>1/10</td>
<td>0.07</td>
<td></td>
<td>7</td>
<td>3.2</td>
</tr>
</tbody>
</table>

†Includes 10 ft. cord and switch.

Product Performance (Metric, U.S.)
Motor Mounted Rotary Vane 0.6 to 1.5 cfm

Oilless 0532, 1032, 1532 Series

**MODEL 0532 SERIES**
20" HG MAX. VAC., 0.6 CFM OPEN FLOW
15 PSI MAX. PRESSURE

**MODEL 1032 SERIES**
20" HG MAX. VAC., 1.1 CFM OPEN FLOW
10 PSI MAX. PRESSURE

**MODEL 1532 SERIES**
20" HG MAX. VAC., 1.5 CFM OPEN FLOW
10 PSI MAX. PRESSURE

**PRODUCT FEATURES**
- Oilless, pulse-free operation
- Motor mounted
- Low noise levels

**INCLUDES**
- Low and high speed motor options
- Internal sound suppression/filtration
- Thermotector (on AC Models only)
- Capacitor (unattached)
- On board controls for motor commutation on 24V BLDC 0532
- External cooling fan on low speed 1032 (unattached)
- Sound attenuator VG2016 (unattached)

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

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Product Dimensions (mm, inches)

<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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</thead>
<tbody>
<tr>
<td>0532</td>
<td>166.6</td>
<td>17.5</td>
<td>33.5</td>
<td>0532</td>
<td>6.56</td>
<td>0.69</td>
<td>1.32</td>
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<tr>
<td>1032</td>
<td>176.0</td>
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<td>38.4</td>
<td>1032</td>
<td>6.93</td>
<td>0.87</td>
<td>1.51</td>
</tr>
</tbody>
</table>

**Models 0532, 1032**

**Model 0532 24V BLDC**

**Model 1532**

Dimensions are for reference only. Only AC motor options shown. Note: Sound attenuator adds approximately 1” (25.4 mm).

Units shown without sound attenuator.
## 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>Thermotector</th>
<th>Net Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0532-101-G621X</td>
<td>110/115-50/60-1</td>
<td>3450</td>
<td>2850</td>
<td>1/15</td>
<td>0,05</td>
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<tr>
<td>0532-101-G663B</td>
<td>24V BLDC variable</td>
<td>3450</td>
<td>2850</td>
<td>1/15</td>
<td>0,02</td>
<td>•</td>
</tr>
<tr>
<td>1032-101-G619X</td>
<td>100-110/100-115-50/60-1</td>
<td>3450</td>
<td>2850</td>
<td>1/15</td>
<td>0,05</td>
<td>•</td>
</tr>
<tr>
<td>1032-101-G618X</td>
<td>220-240/230-50/60-1</td>
<td>3450</td>
<td>2850</td>
<td>1/15</td>
<td>0,05</td>
<td>•</td>
</tr>
<tr>
<td>1532-101-G288X</td>
<td>100-110/100-115-50/60-1</td>
<td>3450</td>
<td>2850</td>
<td>1/10</td>
<td>0,07</td>
<td>•</td>
</tr>
<tr>
<td>1532-101-G289X</td>
<td>220-240/230-50/60-1</td>
<td>3450</td>
<td>2850</td>
<td>1/10</td>
<td>0,07</td>
<td>•</td>
</tr>
<tr>
<td>1532-701-RM012*</td>
<td>220/240-50-1 IP44</td>
<td>—</td>
<td>2850</td>
<td>1/10</td>
<td>0,07</td>
<td>•</td>
</tr>
</tbody>
</table>

*Available only in Europe.

## Product Performance (Metric, U.S.)

### 0532 Series

24V BLDC performance is at approximately 3400 rpm. Operation beyond 4000 rpm is not recommended.

### 1032, 1532 Series

Note: 24V BLDC performance is at approximately 3400 rpm. Operation beyond 4000 rpm is not recommended.
Oilless
2032, 3032 Series

MODEL 2032 SERIES
26" HG MAX. VAC., 2.4 CFM OPEN FLOW
10 PSI MAX. PRESSURE

MODEL 3032 SERIES
26.5" HG MAX. VAC., 2.6 CFM OPEN FLOW
10 PSI MAX. PRESSURE

PRODUCT FEATURES
• Oilless, pulse-free operation
• Motor mounted
• Low noise levels

INCLUDES
• Internal sound suppression/filtration
• Thermotector (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 Dimensions (mm, inches)

<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>
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<tr>
<td>2032</td>
<td>192.3</td>
<td>23.6</td>
<td>66.5</td>
<td>2.62</td>
<td>71.6</td>
<td>96.0</td>
<td>22.4</td>
<td>101.6</td>
<td>91.4</td>
<td>52.6</td>
<td>20.7</td>
</tr>
<tr>
<td>2032</td>
<td>7.57</td>
<td>23.6</td>
<td>66.5</td>
<td>2.62</td>
<td>71.6</td>
<td>96.0</td>
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<td>101.6</td>
<td>91.4</td>
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<td>20.7</td>
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<td>66.5</td>
<td>2.62</td>
<td>71.6</td>
<td>96.0</td>
<td>22.4</td>
<td>101.6</td>
<td>91.4</td>
<td>52.6</td>
<td>20.7</td>
</tr>
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<td>2032</td>
<td>7.20</td>
<td>23.6</td>
<td>66.5</td>
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<td>96.0</td>
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<td>52.6</td>
<td>20.7</td>
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<td>23.6</td>
<td>66.5</td>
<td>2.62</td>
<td>71.6</td>
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<td>22.4</td>
<td>101.6</td>
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<td>2032</td>
<td>7.94</td>
<td>23.6</td>
<td>66.5</td>
<td>2.62</td>
<td>71.6</td>
<td>96.0</td>
<td>22.4</td>
<td>101.6</td>
<td>91.4</td>
<td>52.6</td>
<td>20.7</td>
</tr>
<tr>
<td>3032</td>
<td>179.8</td>
<td>26.4</td>
<td>69.9</td>
<td>2.75</td>
<td>71.6</td>
<td>96.0</td>
<td>22.4</td>
<td>101.6</td>
<td>93.7</td>
<td>52.6</td>
<td>20.7</td>
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<tr>
<td>3032</td>
<td>7.08</td>
<td>26.4</td>
<td>69.9</td>
<td>2.75</td>
<td>71.6</td>
<td>96.0</td>
<td>22.4</td>
<td>101.6</td>
<td>93.7</td>
<td>52.6</td>
<td>20.7</td>
</tr>
</tbody>
</table>

Dimensions are for reference only.
Note: Sound attenuator adds approximately 1.25" (31.8 mm) to dimension H.

Models 2032, 3032

Model 2032 24V BLDC
Motor controls not shown.

Units shown without sound attenuator.
**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 60 cycle</th>
<th>RPM 50 cycle</th>
<th>HP 1/8</th>
<th>kW 0,09</th>
<th>Thermotector</th>
<th>Net Wt. lbs.</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>2032-101-G616X</td>
<td>220-240/230-50/60-1</td>
<td>3450</td>
<td>2850</td>
<td>1/8</td>
<td>0,09</td>
<td>*</td>
<td>9</td>
<td>4,1</td>
</tr>
<tr>
<td>2032-101-G644</td>
<td>24V BLDC</td>
<td>variable</td>
<td></td>
<td>1/8</td>
<td>0,09</td>
<td>*</td>
<td>9</td>
<td>4,1</td>
</tr>
<tr>
<td>2032-101-G617</td>
<td>12V</td>
<td>3000</td>
<td></td>
<td>1/8</td>
<td>0,09</td>
<td>*</td>
<td>10</td>
<td>4,5</td>
</tr>
<tr>
<td>3032-101A-G609X</td>
<td>100-110/100-115-50/60-1</td>
<td>3450</td>
<td>2850</td>
<td>1/8</td>
<td>0,12</td>
<td>*</td>
<td>10</td>
<td>4,5</td>
</tr>
<tr>
<td>3032-701-RM112*</td>
<td>220/240-50-1</td>
<td>IP44</td>
<td>2850</td>
<td>1/6</td>
<td>0,12</td>
<td>*</td>
<td>10</td>
<td>4,5</td>
</tr>
</tbody>
</table>

*Available only in Europe.*

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**Product Performance (Metric, U.S.)**

**Model 2032**

- **VACUUM PRESSURE**
  - m³/h: 0 to 5.0
  - psig: 0 to 10
  - mbar: 0 to 1000
  - In. Hg: 0 to 30

- **FREE AIR FLOW**
  - m³/h: 0 to 5.0
  - psig: 0 to 10
  - mbar: 0 to 1000
  - In. Hg: 0 to 30

**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**

- **VACUUM PRESSURE**
  - m³/h: 0 to 5.0
  - psig: 0 to 10
  - mbar: 0 to 1000
  - In. Hg: 0 to 30

- **FREE AIR FLOW**
  - m³/h: 0 to 5.0
  - psig: 0 to 10
  - mbar: 0 to 1000
  - In. Hg: 0 to 30
Lubricated or Oilless 0211 Series

MODEL 0211 SERIES
LUBRICATED:
20" HG MAX., VAC., 20 PSI MAX. PRESSURE
1.3 CFM OPEN FLOW

OILLESS:
20" HG MAX., VAC., 15 PSI MAX. PRESSURE
1.1 CFM OPEN FLOW

0211 LAB MODEL (Lubricated)
Specially accessorized for laboratory use.
20" HG MAX. VAC., 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
• Oiler/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 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>RPM 60 Hz</th>
<th>HP kW</th>
<th>RPM 50 Hz</th>
<th>HP kW</th>
<th>lbs. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LUBRICATED</strong></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<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>
<td>8.6</td>
</tr>
<tr>
<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>
<td>8.6</td>
</tr>
<tr>
<td>0211-V36A-G230CX (V)</td>
<td>220-50-1</td>
<td>—</td>
<td>1425</td>
<td>1/6</td>
<td>0.12</td>
<td>19</td>
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<tr>
<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>
<td>8.6</td>
</tr>
<tr>
<td>0211-V45F-G230CX (V/P)</td>
<td>220-50-1</td>
<td>—</td>
<td>1425</td>
<td>1/6</td>
<td>0.12</td>
<td>19</td>
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<tr>
<td><strong>OILLESS</strong></td>
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<td></td>
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<td></td>
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<tr>
<td>0211-103A-G8CX (V/P)</td>
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<td>0.12</td>
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</tr>
<tr>
<td>0211-103A-G230CX (V/P)</td>
<td>220-50-1</td>
<td>—</td>
<td>1425</td>
<td>1/6</td>
<td>0.12</td>
<td>17</td>
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</tbody>
</table>

*Lab Model

### Product Performance (Metric, U.S.)

**Lubricated Models**

![Vacuum Pressure Diagram](image1)

**Oilless Models**

![Vacuum Pressure Diagram](image2)
Lubricated 23 Series
0323, 0523, 0823, 1023 Models

MODEL 0323 SERIES (Vacuum Model)
25.0" HG MAX. VAC., 3.2 CFM OPEN FLOW

0323 LAB MODEL (Vacuum or Pressure)
Specially accessorized for laboratory use.
25.0" HG MAX. VAC. OR 10 PSI MAX. PRESSURE,
3.2 CFM OPEN FLOW

MODEL 0523 SERIES (Vacuum Model)
26.5" HG MAX. VAC., 4.5 CFM OPEN FLOW

0523 LAB MODEL (Vacuum or Pressure)
Specially accessorized for laboratory use.
26.0" HG MAX. VAC. OR 10 PSI MAX. PRESSURE,
4.5 CFM OPEN FLOW

MODEL 0823 SERIES (Vacuum Model)
26.5" HG MAX. VAC., 8.0 CFM OPEN FLOW

MODEL 1023 SERIES (Vacuum Model)
26.5" HG MAX. VAC., 10.0 CFM OPEN FLOW

PRODUCT FEATURES
• Lubricated operation
• Motor mounted
• Rugged construction/low maintenance
• Essentially pulse-free service

INCLUDES
• Foot support assembly AC136 (0323/0523) – Vacuum Models
• Thermotector (on Single Phase Units only)
• Oiler assembly AA930A (0323/0523) - Vacuum Models
• Constant level oiler AD12SK (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 bars AA254D
• Regulators AA986A
• Carrying handle AC174
• Cord with on/off switch AA896
• Foot support assembly AC136
• Muffler AB609B
• Filter AB609D
• Oiler 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 60 cycle</th>
<th>RPM 50 cycle</th>
<th>HP</th>
<th>kW</th>
<th>Thermotector Assy.</th>
<th>Foot Ass.</th>
<th>Net Wt. lbs.</th>
<th>Net Wt. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>0323-V3-SG588DX</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>¼</td>
<td>0,19</td>
<td>•</td>
<td>•</td>
<td>33</td>
<td>14,9</td>
</tr>
<tr>
<td>0323-V4-SG588DX*</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>¼</td>
<td>0,19</td>
<td>•</td>
<td>•</td>
<td>35</td>
<td>15,8</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>1425</td>
<td>¼</td>
<td>0,19</td>
<td>•</td>
<td>•</td>
<td>33</td>
<td>14,9</td>
</tr>
<tr>
<td>0523-V803-SG886DX*</td>
<td>110-120/220-240-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>¼</td>
<td>0,19</td>
<td>•</td>
<td>•</td>
<td>34</td>
<td>15,3</td>
</tr>
<tr>
<td>0523-V4-SG886DX*</td>
<td>100-110/220-240; 100-115/208-230-50/60-1</td>
<td>1725</td>
<td>1425</td>
<td>¼</td>
<td>0,19</td>
<td>•</td>
<td>•</td>
<td>35</td>
<td>15,8</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>1425</td>
<td>¾</td>
<td>0,56</td>
<td>•</td>
<td></td>
<td>54</td>
<td>24,3</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>1425</td>
<td>¾</td>
<td>0,56</td>
<td>•</td>
<td></td>
<td>54</td>
<td>24,3</td>
</tr>
<tr>
<td>1023-V2-G279</td>
<td>208-220/440-50/60-3</td>
<td>1725</td>
<td>1425</td>
<td>¾</td>
<td>0,56</td>
<td>•</td>
<td></td>
<td>54</td>
<td>24,3</td>
</tr>
</tbody>
</table>

* Lab Models

Product Performance (Metric, U.S.)

Vacuum Models

![Graphs of Vacuum Models](image)

Lab Models

Note: Performance shown is for operation as a vacuum pump or compressor, not combined.
Motor Mounted Rotary Vane 3.2 to 13.5 cfm

Oilless 23 Series
0323, 0523, 0823, 1023, 1423 Models

MODEL 0323 SERIES
25" HG MAX. VAC., 3.2 CFM OPEN FLOW
10 PSI MAX. PRESSURE, 3.2 CFM OPEN FLOW

MODEL 0523 SERIES
26" HG MAX. VAC., 4.5 CFM OPEN FLOW
10 PSI MAX. PRESSURE, 4.5 CFM OPEN FLOW

MODEL 0823 SERIES (Vacuum Model)
26" HG MAX. VAC., 8.0 CFM OPEN FLOW
10 PSI MAX. PRESSURE, 8.0 CFM OPEN FLOW

MODEL 1023 SERIES
26" HG MAX. VAC., 10.0 CFM OPEN FLOW
10 PSI MAX. PRESSURE, 10.0 CFM OPEN FLOW

MODEL 1423 SERIES
25" HG MAX. VAC., 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
• Thermotector (on Single Phase Units only)
• Internal muffler and filter
• External mufflers and filters (1423 Models)
• 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</th>
<th>kW</th>
<th>Thermotector</th>
<th>Foot Assy.</th>
<th>Net Wt.</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>1/4</td>
<td>0,19</td>
<td>•</td>
<td>•</td>
<td>31</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>1/4</td>
<td>0,19</td>
<td>•</td>
<td>•</td>
<td>30</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>1/4</td>
<td>0,19</td>
<td>•</td>
<td>•</td>
<td>32</td>
</tr>
<tr>
<td>0823-101Q-G79</td>
<td>208-220/440-60/50-3</td>
<td>1725</td>
<td>1425</td>
<td>1/4</td>
<td>0,56</td>
<td>•</td>
<td>•</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>1/4</td>
<td>0,56</td>
<td>•</td>
<td>•</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>1/4</td>
<td>0,56</td>
<td>•</td>
<td>•</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>1/4</td>
<td>0,56</td>
<td>•</td>
<td>•</td>
<td>47</td>
</tr>
<tr>
<td>1023-101Q-G79</td>
<td>208-220/440-60/50-3</td>
<td>1725</td>
<td>1425</td>
<td>1/4</td>
<td>0,56</td>
<td>•</td>
<td>•</td>
<td>47</td>
</tr>
<tr>
<td>1023-703Q-G79</td>
<td>208-220/440-60/50-3</td>
<td>1725</td>
<td>1425</td>
<td>1/4</td>
<td>0,56</td>
<td>•</td>
<td>•</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>1/4</td>
<td>0,56</td>
<td>•</td>
<td>•</td>
<td>47</td>
</tr>
<tr>
<td>1023-703Q-ER80*</td>
<td>220-240/380-440-50/60-3</td>
<td>1725</td>
<td>1425</td>
<td>1/4</td>
<td>0,56</td>
<td>•</td>
<td>•</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>1/4</td>
<td>0,75</td>
<td>•</td>
<td>•</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>•</td>
<td>•</td>
<td>53</td>
</tr>
</tbody>
</table>

**Product Performance** (Metric, U.S.)
Motor Mounted Rotary Vane to 4.8 cfm

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

Oilless RV Series
RV03 and RV05 Models

MODEL RV03 SERIES
15" HG MAX. VAC., 3.8 CFM OPEN FLOW
5 PSI MAX. PRESSURE, 3.8 CFM OPEN FLOW

MODEL RV05 SERIES
10" HG MAX. VAC., 4.8 CFM OPEN FLOW
5 PSI MAX. PRESSURE, 4.8 CFM OPEN FLOW

PRODUCT FEATURES
- Oilless operation
- Motor mounted
- New motor design
  - non ventilated motor offers better protection from dirt, bugs and fire ants
  - rear motor fan for additional cooling
- Up to 20% reduction in power consumption
- Up to 5dB(A) sound improvement
- Less vibration
- Improved mounting stability
- UL Recognized pressure only

INCLUDES
- Thermotector (on Single Phase Units only)
- Internal muffler and filter
- Silencer B343B
- Foot support assembly AC136

RECOMMENDED ACCESSORIES
- Vacuum relief valve AA840A (0523/0823/1023/1423)
- Pressure relief valve AA600
- Vacuum gauge AA640
- Repair kit K882

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>Thermotector</th>
<th>Foot Ass'y</th>
<th>Net Wt. lbs.</th>
<th>Net Wt. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>RV03-101-G650DAX</td>
<td>115/60-1</td>
<td>1725</td>
<td>-</td>
<td>1/4</td>
<td>0.12</td>
<td>•</td>
<td>•</td>
<td>31</td>
<td>14.0</td>
</tr>
<tr>
<td>RV05-101-G650DAX</td>
<td>115/60-1</td>
<td>1725</td>
<td>-</td>
<td>1/4</td>
<td>0.12</td>
<td>•</td>
<td>•</td>
<td>30</td>
<td>13.5</td>
</tr>
</tbody>
</table>

Product Performance (Metric, U.S.)

<table>
<thead>
<tr>
<th>cfm</th>
<th>m³/h</th>
<th>VACUUM</th>
<th>PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.0</td>
<td>18</td>
<td>15 psig</td>
<td>RV05 60 Hz</td>
</tr>
<tr>
<td>4.0</td>
<td>14</td>
<td>8.0 mbar</td>
<td>RV03 60 Hz</td>
</tr>
<tr>
<td>3.0</td>
<td>12</td>
<td>6.0 mbar</td>
<td></td>
</tr>
<tr>
<td>2.0</td>
<td>8.0</td>
<td>4.0 mbar</td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>4.0</td>
<td>2.0 mbar</td>
<td></td>
</tr>
<tr>
<td>0.5</td>
<td>2.0</td>
<td>1.0 mbar</td>
<td></td>
</tr>
<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0 mbar</td>
<td></td>
</tr>
</tbody>
</table>
Oilless 70 Series

MODEL 2070 SERIES
25.0” HG MAX. VAC., 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 (mm, inches)
Dimensions are for reference only.
Product Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>RPM</th>
<th>60 cycle</th>
<th>50 cycle</th>
<th>HP</th>
<th>kW</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>1½</td>
<td>1,12</td>
<td>70</td>
<td>31,5</td>
<td></td>
</tr>
<tr>
<td>2070-V128-T903X</td>
<td>100-110/200-240;</td>
<td>1725</td>
<td>1425</td>
<td>1½</td>
<td>1,12</td>
<td>100</td>
<td>45,0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>100-115/200-230; 50/60-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Product Performance (Metric, U.S.)

![Graph depicting free air flow vs. vacuum pressure for different motor models and frequencies.](image)
Oilless
0533, 1033 Series

MODEL 0533-103A
20" HG MAX. VAC., 0.6 CFM OPEN FLOW
15 PSI MAX. PRESSURE

MODEL 1033-102A
20" HG MAX. VAC., 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 Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>RPM 60 cycle</th>
<th>RPM 50 cycle</th>
<th>HP</th>
<th>kW</th>
<th>Net Wt. lbs.</th>
<th>Net Wt. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>0533-103A</td>
<td>3450</td>
<td>2850</td>
<td>1/16</td>
<td>0.05</td>
<td>3</td>
<td>1.4</td>
</tr>
<tr>
<td>1033-102A</td>
<td>3450</td>
<td>2850</td>
<td>1/16</td>
<td>0.05</td>
<td>3</td>
<td>1.4</td>
</tr>
</tbody>
</table>

Product Performance (Metric, U.S.)

VACUUM

PRESSURE

FREE AIR FLOW

m³/h

VACUUM

PRESSURE

mbar

psig

psig

mbar

0

0

500

1000

200

400

600

800

1033 60 Hz

1033 50 Hz

0533 60 Hz

0533 50 Hz

0

0

0.4

0.8

1.2

1.6

2.0

25

50

100

0

0

0.2

0.4

0.6

0.8

1.0

1.2

1.4

20

0.2

0.4

0.6

0.8

1.0

1.2

1.4

20

0.2

0.4

0.6

0.8

1.0

1.2

1.4

20

0.2

0.4

0.6

0.8

1.0

1.2

1.4

20

0.2

0.4

0.6

0.8

1.0

1.2

1.4

20

0.2

0.4

0.6

0.8

1.0

1.2

1.4

20

0.2

0.4

0.6

0.8

1.0

1.2

1.4

20

0.2

0.4

0.6

0.8

1.0

1.2

1.4

20

0.2

0.4

0.6

0.8

1.0

1.2

1.4

20
**Product Dimensions (mm, inches)**

Dimensions are for reference only.

**Not[e]**: Sound attenuator adds approximately 1" (25.4 mm) to height.

**Product Performance** (Metric, U.S.)

---

**MODEL 1034-101**

20'' HG MAX. VAC., FLOW TO 1.57 CFM
10 PSI MAX. PRESSURE

**MODEL 1534-101**

20'' HG MAX. VAC., 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

---

**Units shown without sound attenuator.**

**Separate Drive Rotary Vane to 2.2 cfm**

**Oilless 1034, 1534 Series**

---

**Note**: Sound attenuator adds approximately 1" (25.4 mm) to height.
Separate Drive Rotary Vane 1.9, 4.0 and 6.0 cfm

**Lubricated or Oilless**

**0240, 0440, 0740 Series**

**MODEL 0240 SERIES**
- **LUBRICATED:** 15” HG MAX. VAC., 1.9 CFM OPEN FLOW, 10 PSI MAX. PRESSURE
- **OILLESS:** 20” HG MAX. VAC., 1.9 CFM OPEN FLOW, 10 PSI MAX. PRESSURE

**MODEL 0440 SERIES**
- **LUBRICATED:** 15” HG MAX. VAC., 4.0 CFM OPEN FLOW, 10 PSI MAX. PRESSURE
- **OILLESS:** 20” HG MAX. VAC., 4.0 CFM OPEN FLOW, 10 PSI MAX. PRESSURE

**MODEL 0740 SERIES**
- **LUBRICATED:** 10” HG MAX. VAC., 6.0 CFM OPEN FLOW, 10 PSI MAX. PRESSURE
- **OILLESS:** 20” HG MAX. VAC., 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 & 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

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

**Lubricated Vacuum Pump**
- 2.84 MODEL 72, 1 0240
- 5.88 MODEL 149, 4 0240
- 1.44 36, 6 0.50 12, 7

**Lubricated Compressor**
- 2.50 63, 5 3.00 76, 2

**Oilless Vacuum Pump**
- 6.62 168, 1 3.00 76, 2

**Oilless Compressor**
- 7.00 MODEL 177, 8 0240
- 6.75 MODELS 171, 5 0440, 0740
- 3.28 MODELS 83, 3 0440, 0740
- 0.28 HOLE (4) 7, 1

**Oilless Compressor**
- 4.54 115, 3 7.38 187, 5
- 6.62 168, 1 3.00 76, 2
- 9.83 MODEL 249, 7 0240
- 3.03 MODEL 77, 0 0240
- 5.98 MODEL 151, 9 0440
- 3.47 MODEL 88, 1 0440
- 7.27 MODEL 184, 7 0440
- 4.13 MODEL 104, 9 0240
- 4.06 MODELS 103, 1 0440, 0740
- 6.06 MODELS 153, 9 0440, 0740
- 0.28 HOLE (4) 7, 1

**Model 0240**
- 2.84 72, 1 0240
- 5.88 149, 4 0240
- 1.44 36, 6 0.50 12, 7

**Model 0440**
- 6.75 171, 5 0440, 0740
- 3.28 83, 3 0440, 0740
- 0.28 HOLE (4) 7, 1

**Model 0740**
- 7.72 196, 1 0240
- 4.54 115, 3 7.38 187, 5
- 7.27 184, 7 0440
- 7.00 177, 8 0240
- 4.13 104, 9 0240
- 2.84 72, 1 0240
- 5.88 149, 4 0240
- 1.44 36, 6 0.50 12, 7

**Model 0240**
- 6.38 162 0240
- 4.97 126, 2 0240
- 2.50 63, 5 3.00 76, 2
- 0.94 23, 9 0.50 12, 7

**Model 0440**
- 6.75 171, 5 0440, 0740
- 3.28 83, 3 0440, 0740
- 0.28 HOLE (4) 7, 1

**Model 0740**
- 7.38 187, 5 0240
- 7.13 181, 1 0440
- 7.32 185, 9 0740
- 4.53 115, 1 0440
- 4.44 112, 8 0740
- 3.28 83, 3 0440, 0740
- 6.75 171, 5 0440, 0740
- 3.31 84, 1 0240
- 6.06 153, 9 0440, 0740
- 0.28 DIA. THRU (4) 7, 1

**Model 0240**
- 9.83 251, 7 0240
- 10.25 MODELS 260, 4 0440, 0740
- 3.47 MODELS 88, 1 0440, 0740
- 9.19 MODELS 233, 4 0440, 0740
- 7.38 MODELS 187, 5 0440, 0740

**Model 0440**
- 4.53 115, 1 0440
- 4.44 112, 8 0740
- 3.28 83, 3 0440, 0740
Product Specifications

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

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Product Performance (Metric, U.S.)

Lubricated

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Oilless

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Product Performance (Metric, U.S.)
Lubricated 0465, 0765 Series

MODEL 0465 SERIES
28” HG MAX. VAC., 4.0 CFM OPEN FLOW

MODEL 0765 SERIES
28” HG MAX. VAC., 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 (mm, inches)

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<th>C</th>
<th>D</th>
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Dimensions are for reference only.

Product Specifications

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Product Performance (Metric, U.S.)
Oilless 1550 Series

MODEL 1550 SERIES
20" HG VAC., 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 AB600 (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

Product Specifications

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

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* Available only in Europe.
Lubricated 1065, 2065, 2565 Series

**MODEL 1065 SERIES**
28" HG MAX. VAC., 8.5 CFM OPEN FLOW
25 PSI MAX. CONTINUOUS PRESSURE

**MODEL 2065 SERIES**
28" HG MAX. VAC., 17.0 CFM OPEN FLOW
15 PSI MAX. CONTINUOUS PRESSURE

**MODEL 2565 SERIES**
28" HG MAX. VAC., 21.0 CFM OPEN FLOW
15 PSI MAX. CONTINUOUS PRESSURE

**PRODUCT FEATURES**
- Lubricated operation
- Rugged construction/low maintenance
- Essentially pulse-free service

**INCLUDES**
- 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), AA900E (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)

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

**Vacuum Pump**

**Compressor**

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

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

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<td>1425</td>
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<td>—</td>
<td>—</td>
<td>1/2</td>
<td>0.37</td>
<td>56</td>
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<td>0.75</td>
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</table>

* Available only in Europe.

Product Performance (Metric, U.S.)

![Graph showing product performance](image)
Separate Drive Rotary Vane 17 and 21 cfm

Lubricated or Oilless 2067, 2567 Series

MODEL 2067 SERIES
LUBRICATED:
28" HG MAX. VAC., 17 CFM OPEN FLOW
15 PSI MAX. PRESSURE

OILLESS:
27" HG MAX. VAC., 17 CFM OPEN FLOW
15 PSI MAX. PRESSURE

MODEL 2567 SERIES
LUBRICATED:
28" HG MAX. VAC., 21 CFM OPEN FLOW
15 PSI MAX. PRESSURE

OILLESS:
27" HG MAX. VAC., 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

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

Lubricated Versions

VACUUM PUMP (U.S. MODELS)
NEMA 56 FRAME, C FACE, INLET ¼ IN. NPT

COMPRESSOR (U.S. MODELS)
NEMA 56 FRAME, C FACE, INLET ¼ IN. NPT

VACUUM PUMP (METRIC MODEL)
INLET ¼ IN. BSP METRIC D90S MOUNTING
### 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>
<th>lbs.</th>
<th>kg</th>
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<td>2567-V5-G471 (like 2567-V1 plus motor)</td>
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<td><strong>OILLESS</strong></td>
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<td>2067-V107-G561X (like 2067-V103 plus motor)</td>
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<tr>
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<td>1725</td>
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<td>1,1</td>
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<td>—</td>
<td>—</td>
<td>—</td>
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</table>

*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 Performance (Metric, U.S.)

**Lubricated**

**Oilless**

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*The diagrams depict the specifications and performance characteristics for various models of vacuum pumps and compressors, including their motor ratings, RPM, weight, and pressure-vacuum-free air flow (CFM) values.*
Oilless 2567 Series

MODEL 2567 SERIES
DUAL FUNCTION
Ideal for graphic arts applications where simultaneous vacuum and pressure are needed.
MAX. VAC. (WITH 5 PSI BACK PRESSURE)
20" HG, OPEN FLOW (VAC. 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 Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>60 Hz RPM</th>
<th>50 Hz RPM</th>
<th>HP (60 Hz)</th>
<th>kW (60 Hz)</th>
<th>lbs</th>
<th>kg</th>
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<tbody>
<tr>
<td>2567-D122-G561X</td>
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<td>1425</td>
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<td>0,75</td>
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<td>1½</td>
<td>1,1</td>
<td>90</td>
<td>40,5</td>
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Product Performance (Metric, U.S.)
Oilless 80 Series

**MODEL 2080 SERIES**
26" HG MAX. VAC., 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" HG)
15 CFM OPEN FLOW (PRESSURE SIDE)

**MODEL 3080 SERIES**
26" HG MAX. VAC., 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" HG)
21 CFM OPEN FLOW (PRESSURE SIDE)

**MODEL 4080 SERIES**
25" HG MAX. VAC., 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" HG)
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)
### Dual Function Models

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor*</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
<th>lbs.</th>
<th>kg</th>
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<td>1425</td>
<td>2</td>
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<td>91</td>
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<tr>
<td>2080-V128-T337</td>
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<td>1425</td>
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<td>2.2</td>
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<td>1425</td>
<td>2</td>
<td>1.5</td>
<td>92</td>
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<tr>
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<td>1725</td>
<td>—</td>
<td>2</td>
<td>1.5</td>
<td>126</td>
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<td>1425</td>
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<td>3</td>
<td>2.2</td>
<td>133</td>
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<tr>
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<td>1425</td>
<td>2</td>
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<td>3.7</td>
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<td>4080-D103</td>
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<td>1425</td>
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<td>88</td>
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<td>4080-D129-T339</td>
<td>208-230/460-60-3</td>
<td>1725</td>
<td>—</td>
<td>3</td>
<td>3.7</td>
<td>135</td>
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</tbody>
</table>

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

---

### Product Performance (Metric, U.S.)

#### Single Function Models

![Graph showing free air flow versus pressure for single function models.](image)

#### Dual Function Models

![Graph showing free air flow versus pressure for dual function models.](image)
Lubricated or Oilless 3040 Series

MODEL 3040 SERIES
20" HG MAX. VAC.
10 PSI MAX. PRESSURE
31 CFM OPEN FLOW (OILLESS)
40 CFM OPEN FLOW (LUBRICATED)

PRODUCT 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 Specifications

**Note:** "P" models are pressure, "V" models are vacuum.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>Base Guard</th>
<th>RPM</th>
<th>HP</th>
<th>kW</th>
<th>lbs.</th>
<th>kg</th>
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<td>•</td>
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<td>2</td>
<td>1.5</td>
<td>139</td>
</tr>
</tbody>
</table>

| **OILLESS**           |       |            |      |    |    |      |    |
| 3040-P118B            | —     | —          | 1060 | 1½| 1.1 | 64   | 28.8 |
| 3040-P119F            | —     | —          | 1060 | 1½| 1.1 | 94   | 42.3 |
| 3040-P120F-T336       | 230/460-60-3 | • | • | 1060 | 1½ | 1.1 | 126 | 56.7 |
| 3040-P119G            | —     | —          | 1325 | 3 | 2.2 | 98   | 44.1 |
| 3040-P120G-T338       | 230/460-60-3 | • | • | 1325 | 3 | 2.2 | 130 | 58.5 |
| 3040-P118B-SD110-1*   | 220/240-380/415-50-3 TEFC | • | • | 1060 | 1½ | 1.1 | 130 | 58.5 |
| 3040-V115A            | —     | —          | 1325 | 2 | 1.5 | 70   | 31.5 |
| 3040-V116E            | —     | —          | 1060 | 1½| 1.1 | 100  | 45.0 |
| 3040-V117E-T336       | 230/460-60-3 | • | • | 1060 | 1½ | 1.1 | 145 | 65.3 |
| 3040-V116F            | —     | —          | 1325 | 2 | 1.5 | 100  | 45.0 |
| 3040-V117F-T337       | 230/460-60-3 | • | • | 1325 | 2 | 1.5 | 148 | 66.6 |
| 3040-V115A-SD110-1*   | 220/240-380/415-50-3 IP54 | • | • | 1060 | 1½ | 1.1 | 145 | 65.3 |
| 3040-V115A-SD150-1*   | 415-50-3 | • | • | 1325 | 2 | 1.5 | 148 | 66.6 |

*Available only in Europe.

## Product Performance (Metric, U.S.)

### Lubricated

VACUUM

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<th>m³/h</th>
<th>cfm</th>
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</tr>
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PRESSURE

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<th>cfm</th>
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<td>15</td>
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</tr>
<tr>
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<td>12</td>
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</tbody>
</table>

### Oilless

VACUUM

<table>
<thead>
<tr>
<th>In. Hg</th>
<th>m³/h</th>
<th>cfm</th>
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<td>0</td>
</tr>
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<td>1</td>
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<tr>
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PRESSURE

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<th>m³/h</th>
<th>cfm</th>
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<td>40</td>
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<td>10</td>
</tr>
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<td>60</td>
<td>2.5</td>
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</tr>
</tbody>
</table>
Lubricated 4565 Series

MODEL 4565 SERIES
25" HG MAX. VAC., 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 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>lbs.</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>4565-P3</td>
<td>—</td>
<td>—</td>
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<td>—</td>
<td>1725</td>
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<td>3.7</td>
<td>103</td>
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<td>4565-V6</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>1725</td>
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<td>2.2</td>
<td>105</td>
</tr>
<tr>
<td>4565-V6A</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>1725</td>
<td>3</td>
<td>2.2</td>
<td>127</td>
</tr>
<tr>
<td>4565-V15D</td>
<td>*</td>
<td>*</td>
<td>—</td>
<td>—</td>
<td>1350</td>
<td>3</td>
<td>2.2</td>
<td>187</td>
</tr>
<tr>
<td>4565-V15D-T338</td>
<td>230/460-60-3</td>
<td>*</td>
<td>*</td>
<td>1350</td>
<td>3</td>
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<td>187</td>
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<td>4565-V15E</td>
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<td>—</td>
<td>—</td>
<td>1725</td>
<td>3</td>
<td>2.2</td>
<td>127</td>
</tr>
<tr>
<td>4565-V15E-T338</td>
<td>230/460-60-3</td>
<td>*</td>
<td>*</td>
<td>1725</td>
<td>3</td>
<td>2.2</td>
<td>187</td>
<td>84.2</td>
</tr>
</tbody>
</table>

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

Product Performance (Metric, U.S.)
Lubricated 5565 Series

MODEL 5565 SERIES
25" HG MAX. VAC., 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 (mm, inches)
Dimensions are for reference only.

Product Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Motor</th>
<th>Base</th>
<th>Coupling Guard</th>
<th>RPM</th>
<th>60 Hz</th>
<th>50 Hz</th>
<th>HP</th>
<th>kW</th>
<th>Net Wt. lbs.</th>
<th>Net Wt. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>5565-V4</td>
<td>—</td>
<td>—</td>
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<td>95</td>
<td>42.8</td>
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<tr>
<td>5565-V5A</td>
<td>—</td>
<td>•</td>
<td>•</td>
<td>1725</td>
<td>—</td>
<td>—</td>
<td>3</td>
<td>2.2</td>
<td>140</td>
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<td>5565-V7</td>
<td>—</td>
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<td>1725</td>
<td>—</td>
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<td>3</td>
<td>2.2</td>
<td>95</td>
<td>42.8</td>
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<tr>
<td>5565-V6A-T338</td>
<td>230/460-60-3</td>
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<td>•</td>
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<td>—</td>
<td>3</td>
<td>2.2</td>
<td>172</td>
<td>77.4</td>
</tr>
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</table>

Product Performance (Metric, U.S.)
Oilless 6066 Series

MODEL 6066 SERIES
25" HG MAX. VAC., 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 (.88" x 1.13") - Vacuum Pump
• Coupling AE765 (.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 (mm, inches)
Dimensions are for reference only.

Vacuum Pump

Compressor

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 Guard</th>
<th>RPM 60 Hz</th>
<th>RPM 50 Hz</th>
<th>HP</th>
<th>kW</th>
<th>lbs.</th>
<th>kg</th>
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</thead>
<tbody>
<tr>
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<td>—</td>
<td>—</td>
<td>—</td>
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<td>—</td>
<td>5</td>
<td>3.73</td>
<td>88</td>
<td>39.6</td>
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<tr>
<td>6066-P106A-T339</td>
<td>230/460</td>
<td>60-3</td>
<td>•</td>
<td>1725</td>
<td>—</td>
<td>5</td>
<td>3.73</td>
<td>203</td>
<td>91.4</td>
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<tr>
<td>6066-P108-SD400-1*</td>
<td>415-50-3</td>
<td>•</td>
<td>—</td>
<td>1425</td>
<td>5</td>
<td>3.73</td>
<td>203</td>
<td>91.4</td>
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<td>92</td>
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<tr>
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<td>60-3</td>
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<td>5</td>
<td>3.73</td>
<td>183</td>
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<td>6066-V109-BO630-1*</td>
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<td>•</td>
<td>—</td>
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<td>2.2</td>
<td>172</td>
<td>77.4</td>
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</table>

* Available only in Europe.

Product Performance (Metric, U.S.)

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<th>RPM</th>
<th>60 Hz</th>
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<tbody>
<tr>
<td>HP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>kg</td>
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<table>
<thead>
<tr>
<th>FREE AIR FLOW (m³/h)</th>
<th>cfm</th>
<th>VACUUM</th>
<th>PRESSURE</th>
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<tr>
<td></td>
<td></td>
<td></td>
<td>60 Hz</td>
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<tr>
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<td></td>
<td></td>
<td>50 Hz</td>
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<table>
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<td>0</td>
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<td>20</td>
<td>10</td>
<td>60</td>
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<tr>
<td>40</td>
<td>20</td>
<td>50</td>
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<tr>
<td>60</td>
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<tr>
<td>80</td>
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<td>30</td>
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<tr>
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<td>50</td>
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<td>1,0</td>
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</tbody>
</table>
Oilless 0823, 2080/3080, 2067/2567, 6066 and 1290 Series

PRODUCT FEATURES

- Oilless operation
- Rugged construction/low maintenance
- Heavy-duty filters

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 Specifications

Note: All models are compressors.

<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>lbs.</th>
<th>kg</th>
</tr>
</thead>
<tbody>
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<td>0823-P155-SG608X*</td>
<td>100-110/220-240-50-1</td>
<td>1725</td>
<td>1425</td>
<td>³⁄₄</td>
<td>0.56</td>
<td>50</td>
<td>22.5</td>
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<td>2080-P124-T337†</td>
<td>230/460-60-3</td>
<td>1725</td>
<td>—</td>
<td>2</td>
<td>1.5</td>
<td>135</td>
<td>60.8</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>
<td>160</td>
<td>72.0</td>
</tr>
<tr>
<td>2067-P118-G470X†</td>
<td>115/230-60-1</td>
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<td>—</td>
<td>1½</td>
<td>1.1</td>
<td>84</td>
<td>37.8</td>
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<tr>
<td>2067-P118-G471†</td>
<td>220/380-415-50-3</td>
<td>1725</td>
<td>1425</td>
<td>1</td>
<td>0.75</td>
<td>84</td>
<td>37.8</td>
</tr>
<tr>
<td>2567-P132-T908X†</td>
<td>115/230-60-1</td>
<td>1725</td>
<td>—</td>
<td>2</td>
<td>1.5</td>
<td>85</td>
<td>38.3</td>
</tr>
<tr>
<td>6066-P122A</td>
<td>For 213T or 215T frame motor</td>
<td>1725</td>
<td>—</td>
<td>7 1/2</td>
<td>5.6</td>
<td>88</td>
<td>39.6</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>
<td>205</td>
<td>92.3</td>
</tr>
<tr>
<td>1290-P110</td>
<td>For 215T frame motor</td>
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<td>220</td>
<td>99.7</td>
</tr>
<tr>
<td>1290-P110A</td>
<td>For 254T frame motor</td>
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<td>—</td>
<td>15</td>
<td>11.1</td>
<td>230</td>
<td>104.0</td>
</tr>
</tbody>
</table>

* For 50 Hz performance, reduce air flow on grid by approximately 17%.
† 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 Dimensions (mm, inches)
Dimensions are for reference only.

Models 6066

Product Performance (Metric, U.S.)

Pressures (bar, psig)

Free Air Flow (cfm, m³/h)

Models 1290