The powerful vacuum blower strongly vacuums metal chips, even cutting chips. The V SERIES find a wide variety of applications.

- **Appearance**

- **Specifications**

<table>
<thead>
<tr>
<th>series</th>
<th>V-2Σ</th>
<th>V-3Σ</th>
<th>V-3SDR</th>
<th>V-5Σ</th>
<th>V-7Σ</th>
<th>V-7SDR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply (V・Hz)</td>
<td>3-phase,200・50/60 (special for each)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output (kW)</td>
<td>1.5</td>
<td>2.2</td>
<td></td>
<td>3.7</td>
<td>5.5</td>
<td>5.5</td>
</tr>
<tr>
<td>Air capacity (m³/min)</td>
<td>0</td>
<td>2</td>
<td>4.2</td>
<td>0</td>
<td>2</td>
<td>5.1</td>
</tr>
<tr>
<td>Static pressure (kPA)</td>
<td>6.81</td>
<td>3.32</td>
<td>3.36</td>
<td>14.7</td>
<td>13.2</td>
<td>8.04</td>
</tr>
<tr>
<td>Noise (dB (A))</td>
<td>67±2</td>
<td>70±2</td>
<td>74±2</td>
<td>67±2</td>
<td>72±2</td>
<td>72±2</td>
</tr>
<tr>
<td>Filter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moulded</td>
<td>2</td>
<td>2</td>
<td>2.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woven cloth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area (m²)</td>
<td>0.7</td>
<td>—</td>
<td>1.2</td>
<td>—</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>Quantity</td>
<td>1</td>
<td>—</td>
<td>1</td>
<td>—</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>Filter shaking</td>
<td>Manual</td>
<td>—</td>
<td>Manual</td>
<td>—</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>Bucket capacity (ℓ)</td>
<td>27</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Power cord (m)</td>
<td>10m(4-core)</td>
<td>15m(4-core)</td>
<td>10m(4-core)</td>
<td>15m(4-core)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suction port diameter (mm)</td>
<td>φ38.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>380×500×930</td>
<td>466×1133×1052</td>
<td>480×1280×1020</td>
<td>621×1430×1194</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass (kg)</td>
<td>95</td>
<td>104</td>
<td>109</td>
<td>180</td>
<td>207</td>
<td>200</td>
</tr>
</tbody>
</table>

**Power Error Stop Function**

The fan motor does not operate if it has:

- Negative phase,
- Abnormal voltage drop.

**For Safe Use**

- Before using, read the instruction manual thoroughly.
- Do not use in and around any place where flammable, explosive and corrosive mist, smoke or gases have been accumulated.
- Be sure to put your cleaner to the ground for protection against electric shock.
- Dispose the dust vacuumed every day. Do not accumulate too much dust in the bucket.

For more information about remote control, consult our sales representative.

**About Remote Control**

To have another operation switch at a distance for remote control, you need to specify remote control requirements. Please specify such requirements when you place an order. Note that the standard specifications do not include remote control capability.

Specifications and descriptions contained in this catalog may be subject to change without notice.

Please direct any questions to:
CLEAN MAC

The CLEAN MAC V-Σ SERIES are the industrial vacuum cleaners that feature powerful vacuum suction. They all are highly reliable to assure quiet and maintenance operation. The V-Σ SERIES are designed with the state-of-the-art electronic technology to meet various requirements the conventional cleaners have; increased use of sophisticated and finer particles by development of new materials, growing concern about environmental protection and noise annoyance.

Choose best fit to your application among many models.

Filter Shaking Mechanism (Auto/Manual Modes)
The V-Σ SERIES use a filter shaking mechanism in auto/manual modes for filter cleaning. For this, you don’t have to directly touch the filter by your hands. The synergetic effect with the newly developed filter “Fine-Fil” with a good dust separability optionally available) allows the filter to effectively shake off dust and particles.

Vacuuming metal chips, cutting chips
Collects metal and cutting chips produced during manufacturing process with its stabilized suction power. Can be used as a vacuum source for a precision products production factory.

Light weight and compact design
The large-diameter wheels and well-balanced casters are capable of making small sharp turns easily in a narrow space.

Energy-saving and noise suppressed design
Cleaners of energy-saving type eliminates possible energy loss. The operational noise is reduced down to the range of 69dB to 75dB (A).

For your Reliable Partner For Cleaning And Collection

Compact type for small sharp turns in narrow space

Dust-explosion pressure diffusion types for highly explosive dust

Possible explosive dust and particles:
- Aluminum-Aluminum alloy-Titanium
- Corn starch-Epoxy resin-Pulverized coal
- Please consult AMANO for dust-explosion test.
- Corn starch - Epoxy resin - Pulverized coal

Dust-explosion pressure diffusion types are so designed that they are less likely to cause dust explosion but not prevent such explosion completely.

Types of Filters

- Fine-Fil For fine and very fine dust and particles
- Span bond For general dust and particles
- Anti-electrostatic Antistatic type
- Heat-resistant nylon felt For fine dust and particles
- Anti-electrostatic woven cloth Good heat resistance
- Cotton General fibrous dust and particles
- Tetron (polyester) Good acid resistance
- Nylon Heat-resisting nylon felt
- Pylen (polypropylene) Good acid and alkaline resistance

Serves as a Suction Source for Central Cleaning System
The CLEAN MAC V-Σ SERIES provide strong, stabilized suction power and can be used as a suction source for a small central cleaning system. Simply plugging the cleaner hose into an optionally available inlet (safety) valve allows you to have a central cleaning system. Note: if you want to use as a suction source for central cleaning system, consult our sales representative.

Finds a Wide Variety of Applications.

For Cleaning
Can be used as a suction source for the central cleaning system in various manufacturing factories.

For Collection
Can be used to collect residual resources such as rare materials, highly valuable metals, precious metals, etc.

For Quality Control
Can be used as vacuum source for automatic pressurizing, molding, packing, collecting trees.

V-2Σ (Output: 1.5kW)
V-3Σ (Output: 2.2kW)
V-5Σ (Output: 3.7kW)
V-7Σ (Output: 5.5kW)

<table>
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<tr>
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<th>Description</th>
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</tr>
<tr>
<td>Anti-electrostatic woven cloth</td>
<td>Good heat resistance</td>
</tr>
<tr>
<td>Cotton</td>
<td>General fibrous dust and particles</td>
</tr>
<tr>
<td>Tetron (polyester)</td>
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For your Reliable Partner For Cleaning And Collection
Powerfully Vacuums Metal Chips, Even Cutting Chips

**For your Reliable Partner For Cleaning And Collection**

**CLEAN MAC**

The CLEAN MAC V-Σ SERIES are the industrial vacuum cleaners that feature powerful vacuum suction. They are highly reliable to assure quiet and maintenance operation.

The V-Σ SERIES are designed with the state-of-the-art electronic technology to meet various requirements the conventional cleaners have;

- increased use of sophisticated and finer particles by development of new materials,
- growing concern about environmental protection and noise annoyance.

**Choose best fit to your application among many models.**

**Filter Shaking Mechanism (Auto/Manual Modes)**

The V-Σ SERIES use a filter shaking mechanism in auto/manual modes for filter cleaning. For this, you don’t have to directly touch the filter by your hands.

The synergetic effect with the newly developed filter “Fine-Fil” with a good dust separability (optionally available) allows the filter to effectively shake off dust and particles.

**Vacuuming metal chips, cutting chips**

Collects metal and cutting chips produced during manufacturing process with its stabilized suction power. Can be used as a vacuum source for a precision products production factory.

**Light weight and compact design**

The large-diameter wheels and well-balanced casters are capable of making small sharp turns easily in a narrow space.

**Energy-saving and noise suppressed design**

Cleaners of energy-saving type eliminates possible energy loss. The operational noise is reduced down to the range of 69dB to 75dB (A).

**Dust-explosion pressure diffusion types for highly explosive dust**

- The dust-explosion proof type motor and the anti-electrostatic filter are all designed to have less risk of dust explosion.
- The check valve and the explosion diffusion port are all designed for peripheral safety against possible dust explosion inside the unit body.

**Find a Wide Variety of Applications.**

**For Cleaning**

Can be used as a suction source for the central cleaning system in various manufacturing factories.

**For Collection**

Can be used to collect residual resources such as raw materials, highly value-added materials, precious metals etc.

**For Quality Control**

Can be used as vacuum source for automatic pressurizing, molding, packing, collecting trees.
**INDUSTRIAL VACUUM CLEANER**

**DUST-explosion Pressure Diffusion Type : V-SDR SERIES**

**Power Error Stop Function**

The fan motor does not operate if it has:

- Negative phase,
- Abnormal voltage drop.

**About Remote Control**

To have another operation switch at a distance for remote control, you need to specify remote control requirements. Please specify such requirements when you place an order. Note that the standard specifications do not include remote control capability. For more information about remote control, consult our sales representative.

**For Safe Use**

**V-Σ**

- Before using, read the instruction manual thoroughly.
- Do not vacuum the following:
  - flammable materials such as gasoline, thinner, benzene, kerosene, paint etc.
  - explosive materials such as aluminum, magnesium, titanium, zinc, epoxy, resin, etc.
  - sparking particles produced from high-speed cutter, grinder, welder, etc.
  - ice, snow, sleet, rain, mud, etc.
  - liquids such as water, oil, chemical, etc.
  - Do not use in and around any place where flammable, explosive and corrosive mist, smoke or gases have been accumulated.
  - Be sure to put your cleaner to the ground for protection against electric shock.
  - For vacuuming explosive dust and particles, several types of dust-explosion pressure diffusion types are available. Contact our sales personnel.

- If you want to use as a central cleaner system, install your cleaner using pipes of the optimum diameter and shortest possible length according to dust collecting conditions so that the pipes will not have any clog of dust clogged.

**V-SDR**

- The dust-explosion pressure diffusion types are all structured so that they are less likely to cause dust explosion but not prevent such explosion completely.
- The dust-explosion pressure diffusion types do not vacuum all kinds of dust and particles. Before using, consult our branch or sales office for details of your objective dust and particles.
- Do not draw in the magnesium or magnesium alloy particles, which have characteristics of high explosion intensity.
- For the dust-explosion pressure diffusion types, observe the cautions for V-Σ except for above ones.
- Do not expose your body over any dust-explosion pressure diffusion types.
- Dispose the dust vacuumed every day. Do not accumulate too much dust in the bucket.