**Product Description**
High flow vortex submersible sump pumps with a choice of single or three phase motors

**Applications**
- Grey water pumping
- Sump emptying
- Septic effluent disposal
- Water transfer
- Pumping of light slurries and factory waste

**Features**
- Open impeller, vortex, centrifugal design
- Able to pump soft solids in suspension
- Less susceptible to blockage
- Capable of higher flows

**Suitable Fluids**
Clean or ‘grey water’ of neutral pH containing up to 20% small soft solids or 1% fine solids. Some wear should be expected while pumping hard solids in suspension
Submersible Pumps

Vortex

BAV-150

Features & Benefits

- Ideal for waste water applications containing soft or fibrous solids
- Industrial waste water drainage
- Miscellaneous drainage
- Double mechanical seal in oil chamber provides strong and reliable shaft sealing
- Quick acting dual response provides protection against overload.
- Automatic operation - equipped with float switch and control box is optional
- Semi-vortex impeller offers non-clog operations with high pumping efficiency and allows pumping the water containing impurities under 70% of the discharge size.
- For the semi-vortex design with no strainer or close tolerance suction cover, only 3 or 4 bolts need to be removed for quick and easy maintenance.

Performance Curve

Specifications

<table>
<thead>
<tr>
<th>TYPE</th>
<th>HP</th>
<th>KW</th>
<th>CONTINUOUS AMP RATING</th>
<th>OPERATING TEMPERATURE</th>
<th>VOLTAGE</th>
<th>AUTO/MANUAL</th>
<th>DISCHARGE (MM)</th>
<th>CABLE LENGTH</th>
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<tbody>
<tr>
<td>Vortex</td>
<td>0.2</td>
<td>0.15</td>
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<td>0ºC to 40ºC</td>
<td>240V</td>
<td>Auto</td>
<td>32</td>
<td>10M</td>
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<thead>
<tr>
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<th>FLOW (LPM)</th>
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<td>150</td>
<td>115</td>
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</table>

Visit our website for further details www.alinepumps.com.au
Features & Benefits

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Performance Curve

![Performance Curve Graph]

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<td>40</td>
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<tr>
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<td>200</td>
<td>190</td>
<td>160</td>
<td>120</td>
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<td>6M</td>
</tr>
<tr>
<td>50</td>
<td>2”</td>
<td>300</td>
<td>290</td>
<td>270</td>
<td>235</td>
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Performance Curve

![Performance Curve Diagram]

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<td>1.5M</td>
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<td>4.5M</td>
<td>6M</td>
</tr>
</tbody>
</table>
Submersible Pumps

Features & Benefits
Submersible drainage pump suitable for drainage of greywater and stormwater from building basements and sumps in domestic, commercial and industrial applications. Can be installed free standing or mounted on optional guide rails.

- Single phase 240V
- Pump body: Cast iron
- Impeller: Cast iron
- Mechanical seal: Ceramic-Graphite, Silicon Carbide alloy
- Submersible depth: 8m
- Liquid temperature up to + 40°C
- Ambient temperature up to + 40°C
- Passage of suspended solid up to 33mm
- Maximum starts per hour: 20

Performance Curve

Specifications

<table>
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<tr>
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<th>HP</th>
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<th>OPERATING TEMPERATURE</th>
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<th>DISCHARGE (MM)</th>
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<tr>
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<td>9M</td>
<td>12M</td>
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<td>230</td>
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<td>271 x 218 x 400</td>
<td>21</td>
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</table>
Submersible Pumps

Vortex

50ADVS5.75

Features & Benefits

Submersible drainage pump suitable for drainage of greywater and stormwater from building basements and sumps in domestic, commercial and industrial applications. Can be installed free standing or mounted on optional guide rails.

- Three phase 415V 50Hz 2 pole induction motor
- Pump body: Cast iron
- Impeller: Cast iron
- Mechanical seal: Ceramic-Graphite, Silicon Carbide alloy
- Submersible depth: 8m
- Liquid temperature up to +40°C
- Ambient temperature up to +40°C
- Passage of suspended solid up to 33mm
- Maximum starts per hour: 20

Performance Curve

Scale:

Head

(M)

Flow

(LPM)

Flow

(m³/h)

0 4
0
100 200 300 400 500 600 700 800 900 1000 1100 1200

0
4
8
12
16
20
24

50ADVS5.75

50 Hz

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<tbody>
<tr>
<td>Vortex</td>
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<td>0.75</td>
<td>1.5</td>
<td>0°C to 40°C</td>
<td>415V</td>
<td>Manual</td>
<td>50</td>
<td>10M</td>
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</tr>
</thead>
<tbody>
<tr>
<td>MM</td>
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<td>L X W X H (MM)</td>
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<tr>
<td>50</td>
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<td>320 30 230 140 55</td>
<td>14</td>
<td>271 x 218 x 400</td>
<td>21</td>
</tr>
</tbody>
</table>

Do you need confirmation? Call Our Customer Service Team on 1800 018 999

These are 415V manual pumps. Remember to order your control panel and floats.
Submersible Pumps

**Features & Benefits**

Submersible drainage pump suitable for drainage of greywater and stormwater from building basements and sumps in domestic, commercial and industrial applications. Can be installed free standing or mounted on optional guide rails.

- Three phase 415V 50Hz 2 pole induction motor
- Pump body: Cast iron
- Impeller: Cast iron
- Mechanical seal: Ceramic-Graphite, Silicon Carbide alloy
- Submersible depth: 8m
- Liquid temperature up to +40°C
- Ambient temperature up to +40°C
- Passage of suspended solid up to 31mm
- Maximum starts per hour: 20

**Performance Curve**

![Performance Curve Graph]

**Specifications**

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<tr>
<td>Vortex</td>
<td>2</td>
<td>1.5</td>
<td>3</td>
<td>0°C to 40°C</td>
<td>415V</td>
<td>Manual</td>
<td>50</td>
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<td>INCH</td>
<td>3M</td>
<td>6M</td>
<td>9M</td>
<td>12M</td>
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<tr>
<td>50</td>
<td>2&quot;</td>
<td>420</td>
<td>415</td>
<td>390</td>
<td>330</td>
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</table>

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Submersible Pumps

Features & Benefits
Submersible drainage pump suitable for drainage of greywater and stormwater from building basements and sumps in domestic, commercial and industrial applications. Can be installed free standing or mounted on optional guide rails.
- Three phase 415V 50Hz 2 pole induction motor
- Pump body: Cast iron
- Impeller: Cast iron
- Mechanical seal: Ceramic-Graphite, Silicon Carbide alloy
- Submersible depth: 8m
- Liquid temperature up to + 40°C
- Ambient temperature up to + 40°C
- Passage of suspended solid up to 45mm
- Maximum starts per hour: 20

Performance Curve

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<tbody>
<tr>
<td>Vortex</td>
<td>2</td>
<td>1.5</td>
<td>3</td>
<td>0°C to 40°C</td>
<td>415V</td>
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<td>10M</td>
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<th>DIMENSIONS L X W X H (MM)</th>
<th>WEIGHT (KG)</th>
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<td>680</td>
<td>560</td>
<td>420</td>
<td>250</td>
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</table>

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- Three phase 415V 50Hz 2 pole induction motor
- Pump body: Cast iron
- Impeller: Cast iron
- Mechanical seal: Ceramic-Graphite, Silicon Carbide alloy
- Submersible depth: 8m
- Liquid temperature up to + 40°C
- Ambient temperature up to + 40°C
- Passage of suspended solid up to 50mm
- Maximum starts per hour: 20

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<tr>
<td>Vortex</td>
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<td>80</td>
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<td>3M</td>
<td>6M</td>
<td>9M</td>
<td>12M</td>
</tr>
<tr>
<td>80</td>
<td>3”</td>
<td>1100</td>
<td>1020</td>
<td>860</td>
<td>680</td>
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</table>
Submersible Pumps

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- Impeller: Cast iron
- Mechanical seal: Ceramic-Graphite, Silicon Carbide alloy
- Submersible depth: 8m
- Liquid temperature up to + 40°C
- Ambient temperature up to + 40°C
- Passage of suspended solid up to 30mm
- Maximum starts per hour: 20

Performance Curve

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<td>7.5</td>
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<td>1100 1060 960 800 600 420 22</td>
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