CENTRIFUGAL FAN

ARTITH VENTILATORS LTD., PART.

ART OF FANS

www.artith.com

email: contact@artith.com
History

Artith was established since 1980 as the first shop in Thailand producing 12” diameter turbine ventilator under trade name of “Artith Ventilators” which was registered in the name of Artith Ventilators Ltd.,Part in 1984. For more than 25 years. Artith has been proven for high quality wind-turbine ventilators for industrial and household use.

The proven was shined in 1993 with our expansion of capacity to manufacture ventilation machinery including fan powered turbine ventilators, blowers, exhaust fans, centrifugal fans and duct fans continue with opened branch at Hadyai, Petchaburi and KhonKaen. Moreover, Artith Ventilators Ltd.,Part is now being AMCA member (The Air Movement and Control Association International, Inc.).
“Artith Ventilators Ltd., Part certifies that the Forward Curved Centrifugal Fan type AV-A showed herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.”

Centrifugal Fan

**Forward Curved Fan (AV-A)**

- Produce medium to low volume flow rates
- Quietest centrifugal fan available
- Designed for air with a low particle count
- Available in a single impeller configuration
- Impeller sizes range from 250 mm. to 500 mm.
- Produce volume flow rates of up to 100 CMM
- Produce static pressures of up to 60 mm.Aq.
Centrifugal Fan Configurations

Our Centrifugal fans are extremely versatile and are available in the following configurations (in view of motor)

<table>
<thead>
<tr>
<th>Left Rotation (L)</th>
<th>Right Rotation (R)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Diagram" /></td>
<td><img src="image2" alt="Diagram" /></td>
</tr>
<tr>
<td>Upper part Horizontal (L1)</td>
<td>Upper part Horizontal (R1)</td>
</tr>
<tr>
<td>Upper part Vertical (L2)</td>
<td>Upper part Vertical (R2)</td>
</tr>
<tr>
<td>Lower part Horizontal (L3)</td>
<td>Lower part Horizontal (R3)</td>
</tr>
<tr>
<td><img src="image3" alt="Diagram" /></td>
<td><img src="image4" alt="Diagram" /></td>
</tr>
<tr>
<td>Lower part Vertical (L4)</td>
<td>Upper part Vertical (R4)</td>
</tr>
<tr>
<td>Upper part 3D Downward (L5)</td>
<td>Lower part 3D Downward (R5)</td>
</tr>
<tr>
<td>Upper part 4S Upward (L6)</td>
<td>Upper part 4S Upward (R6)</td>
</tr>
</tbody>
</table>
Forward Curved Fan

- Housing materials: Steel, Galvanized sheet or Stainless steel
- Impeller materials: Steel, Galvanized sheet or Stainless steel

**Applications:**
- Removing smoke and odor from the kitchen
- Extracting dust and particulate matter from factory air

### Forward Curved Fan (Direct motor) Type AV-Axxx

<table>
<thead>
<tr>
<th>TYPE</th>
<th>MOTOR</th>
<th>CAPACITY</th>
<th>STATIC PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>kW</td>
<td>RPM</td>
<td>CMS</td>
</tr>
<tr>
<td>AV-A108</td>
<td>0.25</td>
<td>1440</td>
<td>220</td>
</tr>
<tr>
<td>AV-A110</td>
<td>0.40</td>
<td>1440</td>
<td>220</td>
</tr>
<tr>
<td>AV-A112</td>
<td>0.75</td>
<td>1430</td>
<td>220</td>
</tr>
<tr>
<td>AV-A115</td>
<td>1.5</td>
<td>930</td>
<td>380</td>
</tr>
<tr>
<td>AV-A118</td>
<td>2.2</td>
<td>950</td>
<td>380</td>
</tr>
</tbody>
</table>

**HP (Horse Power)** is unit for use a temple is ofing a motor (1 HP = 0.746 kW)
Foward Curved Fan (Direct motor) Type AV-Axxx

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DIMENSION (mm.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>AV-A 108</td>
<td>155</td>
</tr>
<tr>
<td>AV-A 110</td>
<td>150</td>
</tr>
<tr>
<td>AV-A 112</td>
<td>185</td>
</tr>
<tr>
<td>AV-A 115</td>
<td>300</td>
</tr>
<tr>
<td>AV-A 118</td>
<td>300</td>
</tr>
</tbody>
</table>

*Dimension might adjusted without notice*
Forward Curved Fan (Direct motor) Type AV-A108

Test Unit : Centrifugal-Forward  
Capacity : 10 CMM

Manufacturer : Artith Ventilators Ltd., part.  
Static Pressure : 19 mm.Aq.

Impeller Diameter : 191 mm.  
Motor : 0.25 kW / 1440 RPM / 220V / 50Hz

Performance ratings do not include the effects of appurtenances (accessories).

“Speed 1,440 rpm. shown is nominal. Performance is based on actual speed of test”

“The AMCA Certified Ratings Seal applies to air performance ratings only”

Performance certified is for installation type B - Free inlet, Ducted outlet.
Forward Curved Fan (Direct motor) Type AV-A110

Test Unit: Centrifugal-Forward  Capacity: 17 CMM
Manufacturer: Artith Ventilators Ltd., part  Static Pressure: 27 mm.Aq.
Impeller Diameter: 244 mm.  Motor: 0.40 kW / 1440 RPM / 220V / 50Hz

Performance ratings do not include the effects of appurtenances (accessories).

“Speed 1,440 rpm. shown is nominal. Performance is based on actual speed of test”

“The AMCA Certified Ratings Seal applies to air performance ratings only”
Performance certified is for installation type B - Free inlet, Ducted outlet.
Forward Curved Fan (Direct motor) Type AV-A112

Test Unit: Centrifugal-Forward  
Capacity: 38 CMM

Manufacturer: Artith Ventilators Ltd., part  
Static Pressure: 39 mm.Aq.

Impeller Diameter: 307 mm.  
Motor: 0.75 kW / 1430 RPM / 220V / 50Hz

Performance ratings do not include the effects of appurtenances (accessories).

"Speed 1,430 rpm. shown is nominal. Performance is based on actual speed of test"

```
m.3/s     Watt (W)
0.00      0.00
0.20      0.20
0.40      0.40
0.60      0.60
0.80      0.80
1.00      1.00
1.20      1.20
```

```
CMM
0       0
12      12
24      24
36      36
48      48
60      60
72      72
```

"The AMCA Certified Ratings Seal applies to air performance ratings only"

Performance certified is for installation type B - Free inlet, Ducted outlet.
Forward Curved Fan (Direct motor) Type AV-A115

Test Unit: Centrifugal-Forward  
Capacity: 66 CMM

Manufacturer: Artith Ventilators Ltd., part,  
Impeller Diameter: 379 mm.

Static Pressure: 31 mm.Aq.  
Motor: 1.5 kW / 930 RPM / 380V / 50Hz

Performance ratings do not include the effects of appurtenances (accessories).

“Speed 930 rpm. shown is nominal. Performance is based on actual speed of test”

“The AMCA Certified Ratings Seal applies to air performance ratings only”
Performance certified is for installation type B - Free inlet, Ducted outlet.
Forward Curved Fan (Direct motor) Type AV-A118

Test Unit: Centrifugal-Forward          Capacity: 84 CMM
Manufacturer: Artith Ventilators Ltd., part. Static Pressure: 49 mm.Aq,
Impeller Diameter: 470 mm.             Motor: 2.2 kW / 950 RPM / 380V / 50Hz

Performance ratings do not include the effects of appurtenances (accessories).

“Speed 950 rpm. shown is nominal. Performance is based on actual speed of test”

"The AMCA Certified Ratings Seal applies to air performance ratings only"
Performance certified is for installation type B - Free inlet, Ducted outlet.
Installation Portfolio
Centrifugal Fan