COPPUS PORTABLE VENTILATORS

CARGO TANK AIR/STEAM OR WATER TURBINE DRIVEN BLOWER/VENTILATORS

4,600 TO 8,400 cfm (7.815 to 14.275 m³/hr)

Type “C” portable ventilators are turbine driven units that operate on steam, water or compressed air. The tubeaxial blowers are available in supply or exhaust models for gas freeing, drying and ventilating operations. The ventilators are designed for use in hazardous atmospheres.

- Steam/compressed air or pressurized water turbine driven
- Interchangeable supply/exhaust fans
- Supply or exhaust models
- Protective screens meet OSHA standards

STEAM/COMPRESSED AIR TURBINE DRIVE

C-15A and C-12A ventilators mate with 15-1/2” and 12-1/2” openings.

C-15A – Supply model 8,400 cfm (14.275 m³/hr)  
Exhaust model 6,500 cfm (11.044 m³/hr)

C-12A – Supply model 5,350 cfm (9.090 m³/hr)  
Exhaust model 4,600 cfm (7.815 m³/hr)

WATER TURBINE DRIVE

The C-15AW and C-12AW operate directly from pressurized water system and water can be discharged to atmosphere or against back pressure. Application characteristics of water driven units are the same as those expressed for steam/compressed air driven ventilators.

C-15AWC – Supply model 7,400 cfm (12.573 m³/hr)  
Exhaust model 5,750 cfm (9.769 m³/hr)

C-12AWC – Supply model 5,350 cfm (8.495 m³/hr)

Exhaust model 4,700 cfm (7.985 m³/hr)

MATERIALS OF CONSTRUCTION

C-15A and C-12A
- Cast iron turbine housing with aluminum cover
- Bronze turbine wheel
- Grease type ball bearings
- Cast aluminum fan and fan casing
- Chromed steel protective screen

C-15AWC and C-12AWC
- Cast bronze turbine housing
- Cast bronze turbine wheel
- Cast bronze inlet and outlet water connections
- Grease sealed ball bearings
- Cast aluminum fan and fan casing standard
- Stainless steel fasteners and protective screen

Dimensions - Inches (mm) C-15A & C-12A

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Dimensions - Inches (mm) C-15A & C-12A

<table>
<thead>
<tr>
<th>Model</th>
<th>A B</th>
<th>C D</th>
<th>E F</th>
<th>Bolt Slots No. Wgt.</th>
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<tbody>
<tr>
<td>C-15A</td>
<td>14.2</td>
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<td>12.5</td>
<td>15.1</td>
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<td></td>
<td>321</td>
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<td>319</td>
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<tr>
<td>C-15AWC</td>
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<td>15.1</td>
<td>20.5</td>
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<td>C-12A</td>
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<td>565</td>
<td>387</td>
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<td>C-12AWC</td>
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<td>15.3</td>
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Air flow at various static pressures cfm (m³/hr)

<table>
<thead>
<tr>
<th>Static Pressure in. Wg mm</th>
<th>C-12A</th>
<th>C-15A</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 psig 8.8 kg/cm²</td>
<td>8.400</td>
<td>7.580</td>
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<tr>
<td>100 psig 7.0 kg/cm²</td>
<td>8.250</td>
<td>7.410</td>
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<td>50</td>
<td>4.100</td>
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<td>10</td>
<td>7.815</td>
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<td>1.0</td>
<td>8.070</td>
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<td>25</td>
<td>7.900</td>
<td>6.640</td>
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<td>1.5</td>
<td>7.780</td>
<td>6.860</td>
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<tr>
<td>51</td>
<td>7.000</td>
<td>6.070</td>
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<tr>
<td>3.0</td>
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<td>102</td>
<td>7.210</td>
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For a list of all COPPUS portable ventilators and worldwide manufacturers’ representatives visit our web site at www.dresser-rand.com.

For North American and European sales, call 1-888-269-8726 (toll free US & Canada only), or (Int’l + 1) 508-595-1700. For Middle East and Asia Pacific sales, call (65) 9822-2693.

Or send an email to info@dresser-rand.com or fax to (Int’l + 1) 508-595-1786.