FCDA
Chilled Water Fan Coil Units
DC Motor Concealed Type 400-2,000 CFM
FCDA Series 50 Hz
**FDCA**  —  Chilled water fan coil unit with DC motor technology

**FDCA**  latest chilled water FCU with DC motor technology that can help save energy with smoother and quieter operation to provide maximum comfort.

**Unit Casing**
constructed of galvanized steel. Interior surface of unit panels are acoustically and thermally insulated with polyethylene foam. Return plenum as standard for FDCA4-20.

**Fans**
are double width, double inlet and centrifugal type. All fans are statically and dynamically balanced and tested from factory.

**Coils**
are 3-row type as standard design together with 4-row design as option. High efficient aluminum fins are mechanically bonded to seamless copper tubes. All coils are specially designed and circuited for chilled water use and are pressure leak tested at 380 psig.

**Drain Pan**
3-layer drain pan is integrally attached to coil casings. Drain pan covers the entire coil. The inner side is plastic insulated with PS foam galvanized steel as the outer side to protect drain pan.

**DC Motor**
4-speed DC motor with direct drive type is provided with ease of control and operation by digital wired control to provide maximum comfort and energy savings.

**Options**
- Return air plenum with PP-Net filter for FDCA04-12 models.
- Control valve completely installed from factory.

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**General Data FCDA 50 Hz**

**Product Specification**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Unit</th>
<th>FDCA4-20</th>
<th>FDCA4-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Weight</td>
<td>kg</td>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>Dimensions (LxWxH)</td>
<td>mm</td>
<td>331 x 515 x 445</td>
<td>331 x 515 x 445</td>
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</tbody>
</table>

**Performance Data**

### Cooling Capacities (Model FDCA04-20)

<table>
<thead>
<tr>
<th>Fan Speed</th>
<th>Cooling Capacity (kW)</th>
<th>Discharge Air Temp. - Cooling</th>
<th>(%)</th>
<th>M.T. Temp. - Cooling</th>
<th>(%)</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>1.10</td>
<td>104.4</td>
<td>0</td>
<td>30.4</td>
<td>0</td>
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<tr>
<td>2</td>
<td>2.10</td>
<td>104.4</td>
<td>0</td>
<td>30.4</td>
<td>0</td>
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<tr>
<td>3</td>
<td>3.10</td>
<td>104.4</td>
<td>0</td>
<td>30.4</td>
<td>0</td>
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<tr>
<td>4</td>
<td>4.10</td>
<td>104.4</td>
<td>0</td>
<td>30.4</td>
<td>0</td>
</tr>
</tbody>
</table>

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**Specifications are subject to change without notice.**

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