UNLOCKING THE POWER IN EVERY COMPUTER

ADHX 35-6B [35kW]
Active Rear Door Heat Exchanger

- Ultra-efficient
- Built-in redundancy
- Plug and play installation
KEY SYSTEM FEATURES
Top performance and reliability at your fingertips.

COMPLEMENTARY PRODUCTS AND ACCESSORIES
## TECHNICAL DATA

### PHYSICAL DATA

<table>
<thead>
<tr>
<th>Shipping data</th>
<th>Installed on rack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit dimensions&lt;br&gt;(width x height x depth)</td>
<td>745mm x 2110mm x 300mm&lt;br&gt;29.3” x 83.1” x 11.8”</td>
</tr>
<tr>
<td>Weight</td>
<td>90 kg (200 lb)</td>
</tr>
<tr>
<td>Pipe connections</td>
<td>1”BSP Female supply and return</td>
</tr>
</tbody>
</table>

### ELECTRICAL DATA

- Power Supply: 110-230v, 50Hz/60Hz 1-phase + earth
- Recommended Fuse rating: 5 Amps (Controls circuit 24V, 20 Amps)
- Typical nominal power: 550 W (maximum)
- Communication: Serial port RS485/RS232; optional Ethernet (V100-17-ET2 and CANbus (V100-17-CAN)

### PERFORMANCE

- Fan operation setup: 4 Fans, N+1 Hot swappable
- Fluid flow: 80 l/m (21 GPM) max. Flow; 10 Bar (145 Psi) max. Nominal @ 60 l/m (15.85 GPM) at 16ºC (61ºF), 22ºC (72ºF).
- Duty (at nom. conditions): 35kW
- Airflow: Max Air Flow 6500 m3/Hour (3825CFM)
- Fluid temperature: ASHRAE W1 to ASHRAE W4

## ADHX DUTY SELECTION CHART

### AIRFLOW 5000 m³/hr

<table>
<thead>
<tr>
<th>AIRFLOW 5000 m³/hr</th>
<th>14°C INLET WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INLET AIR TEMPERATURE INTO DOOR</strong></td>
<td><strong>20 l/m</strong></td>
</tr>
<tr>
<td>30° C</td>
<td>14.2 kW</td>
</tr>
<tr>
<td>35° C</td>
<td>18.6 kW</td>
</tr>
<tr>
<td>40° C</td>
<td>22.9 kW</td>
</tr>
<tr>
<td>45° C</td>
<td>27.2 kW</td>
</tr>
<tr>
<td>50° C</td>
<td>31.4 kW</td>
</tr>
<tr>
<td>55° C</td>
<td>35.6 kW</td>
</tr>
</tbody>
</table>
WHY LIQUID COOLING?

◆ Delivers high performance and resilience
◆ Power usage effectiveness as low as 1.033
◆ Efficiency as high as 14.11 GFlops/watt
◆ The cooling solution of choice for most IT manufacturers

WHY SERVERCOOL?

Since the 1990s, ServerCool has worked with some of the most prestigious and demanding organizations to provide innovative cooling solutions. Our products are proven and our coolant distribution unit has an impeccable pedigree. Our United States and European manufacturing facilities are at the pinnacle of operational excellence. Lean, agile techniques ensure short lead times, high quality and sustainable performance.

Our ability to deliver is unequaled. We have a multicultural, global engineering team that operates in research and development facilities in the United States, China and Europe. Plus, we feature the widest global service and partners network.

ServerCool products are found on the Tsubame 3.0 supercomputer – named the greenest supercomputer on June 2017’s Green 500 list.

For more information about Nortek Air Solutions ServerCool, contact us at nortekairinfo@nortek.com.