

Rear Door Heat Exchangers (RDHx's) – Standard Density

Energy and space efficient cooling for Datacenter applications



Features:

- Designed to fit any rack 600mm, 735mm, 800mm x 42-51U high
- Passive 2 row coil designs (up to 25kW)
- Relatively high water temperature maximises free cooling potential
- Slim design takes up minimal floor space
- Top or bottom ¾" connections for flexibility
- Heat Exchanger performance maximised at low water flow requirements
- Low Pressure Drop air side (10Pa @ 3,000m³/hr)
- Low Pressure Drop water side (14kPa @ 45 lpm)
- Low water volume, vent and drain capability
- Easy to install, pipe connection options including “Quick Disconnects”
- Robust, welded and painted construction for excellent rigidity
- No electrical requirements

RD2WxS, RD2WxW, and RD2WxY Specification:

RDHx Model Number	RD2WxS	RD2WxW	RD2WxY
RDHx Design Type	2 Row Coil	2 Row Coil	2 Row Coil
Nominal Cooling Capacity	10kW	15kW	22kW
Nominal Airflow (provided by rack equipment)	2000m ³ /hr (1200 CFM)	3200m ³ /hr (2600 CFM)	6100m ³ /hr (3600 CFM)
Airside Pressure Drop**	10 Pa	10 Pa	20 Pa
Nominal Water Flow	45 lpm (12 GPM)	45 lpm (12 GPM)	45 lpm (12GPM)
Waterside Pressure Drop***	14 kPa	14 kPa	14 kPa
Water Temp*	18 Deg C	18 Deg C	18 Deg C
Entering RDHx Temp**	42 Deg C	42 Deg C	42 Deg C
Coolant Type	Water	Water	Water
Coolant Volume	5.7 L (1.5 Gal)	5.7 L (1.5 Gal)	11 L (2.9 Gal)
Pressure Rating	690kPa (100 psi)	690kPa (100 psi)	690kPa (100 psi)
Power Consumption	0 W	0 W	0 W
Water Connections	¾" Top or Bottom (vertical)	¾" Top or Bottom (vertical)	¾" Top or Bottom (vertical)
Coil Construction	Cu Tube Al Fins	Cu Tube Al Fins	Cu Tube Al Fins
Dimensions**** (H x W x D) mm	2000 x 600 x 110	2000 x 735 x 120	2000 x 800 x 120
Weight Empty (Filled)	25 kg (35kg)	32kg (42kg)	33 kg (45kg)
Air Vents and Drain Valves	Top and Bottom	Top and Bottom	Top and Bottom

** All data provided at nominal values

*** Excludes Quick Disconnects

**** Excludes Transition Frame



