

CO₂OLrac™ CO₂ Blade Server Cooling

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TROX AITCS CO₂ cooled CO₂OLrac™ units are the perfect choice for clients who require non chilled water (CHW) blade server cooling.

CO₂OLrac™ is compatible with all server racks and, is ideal for new build and retro-fits alike.

Open Architecture:

The open architecture design provides a 'straight through' air path via the rack/server/cooler assembly. The direct route keeps the unit's absorbed fan power to an absolute minimum.

Intrinsic Resilience:

The use of automatic CO₂ isolation valves enable individual coils to be taken off-line. The unit's exhaust fans continue to expel the server heat, while adjacent coolers provide back-up protection to deliver 'intrinsic resilience' - ensuring continuous operational uptime.

Features:-

Cooling Capacity: 30-40kW

Power: Single or dual supplies
100-240V 50/60Hz single phase

CO₂ flow temp: 14°C

Rack Types: Suits all types of single door racks

Fans (5 or 6): 48V DC, variable speed
BMS volt free 'healthy' status monitoring

Coil: Single or dual (stainless steel)

Hoses: Stainless steel, high level

Gas Detection: In rack and room CO₂
monitoring systems

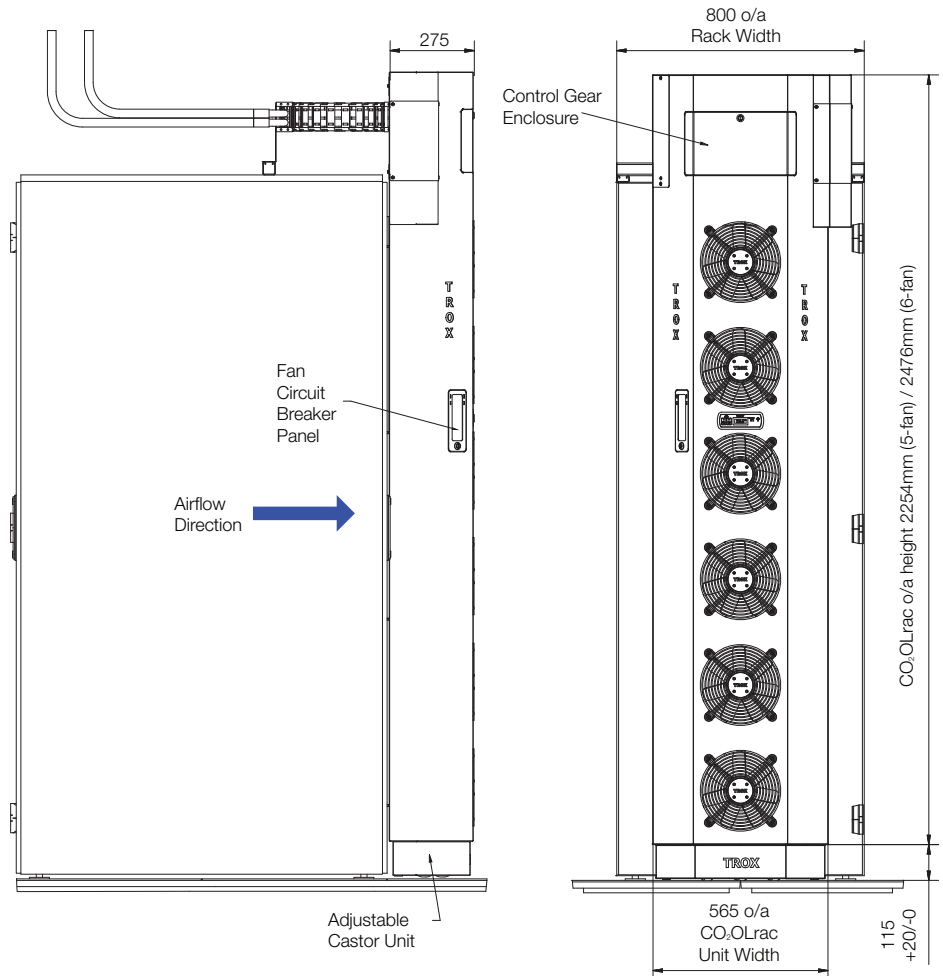
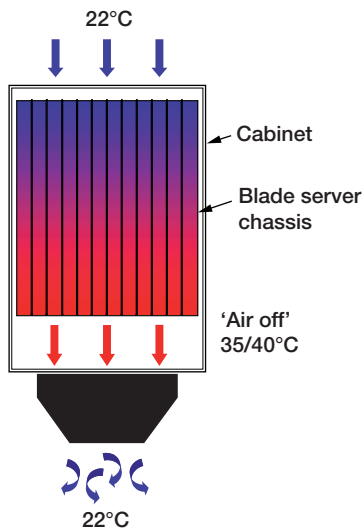
Temp Monitoring: 4-20mA BMS signal



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Heat Absorption:

The servers reject their heat into the equipment racks. The heated air is then cooled as it passes through the CO₂OLrac™ unit that is fixed to the rack's rear door. The high density server heat load is completely neutralized.



Order Code - CO₂OLrac™

CO ₂ OLrac	/	42U	/	5	/	800	/	L	/	N	/	2N	/	F4	/	L	/	20
Type		Rack height 42 to 47 U		Fan quantity 5-fan (42 to 44U) 6-fan (45 to 47U)		Rack Width 800mm 600mm		Handing R Hinge on right (facing rack) L Hinge on left (facing rack)		Coil N single *2N dual		Power Supply N single 2N dual		Finish F4 Fine textured epoxy black RAL 9005 (standard) F6 **** RAL colour ref, specify RAL****		Leak Detection L with leak detection (standard)		Heat load (kW)

*Dual coil available as 2 x 2 row