

UNLOCKING THE POWER IN EVERY COMPUTER

305kW CDU [up to 95GPM]

42U floor-mounted coolant distribution unit
for supercomputers

- Ultra-Efficient
- Full Redundancy
- Flexibility



KEY SYSTEM FEATURES

Top performance and reliability at your fingertips.

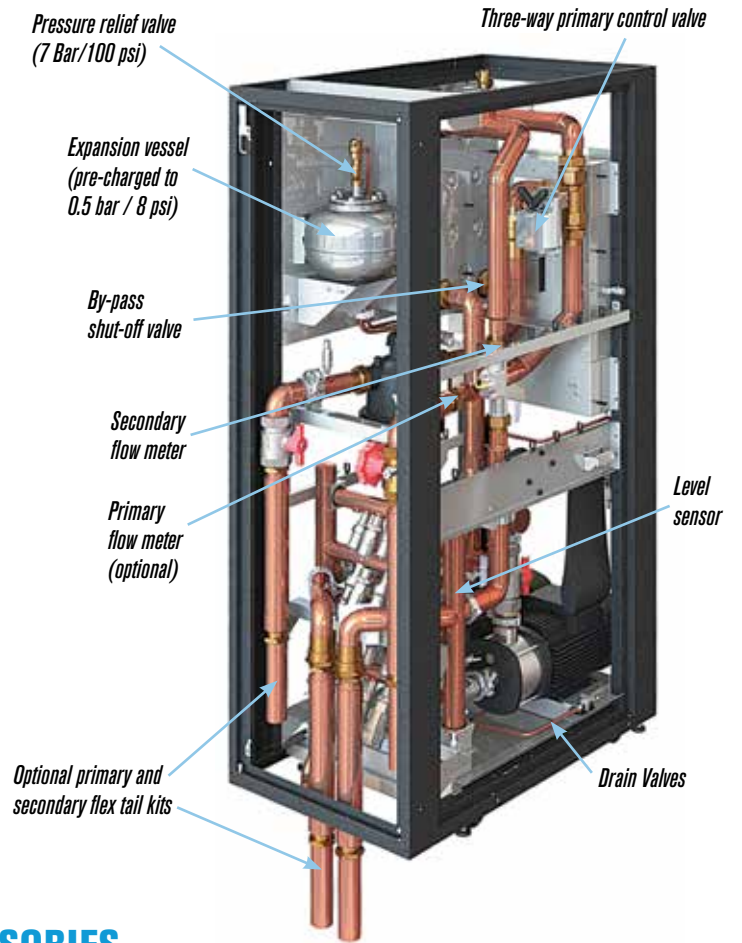
FRONT VIEW

(Door and side panels removed)

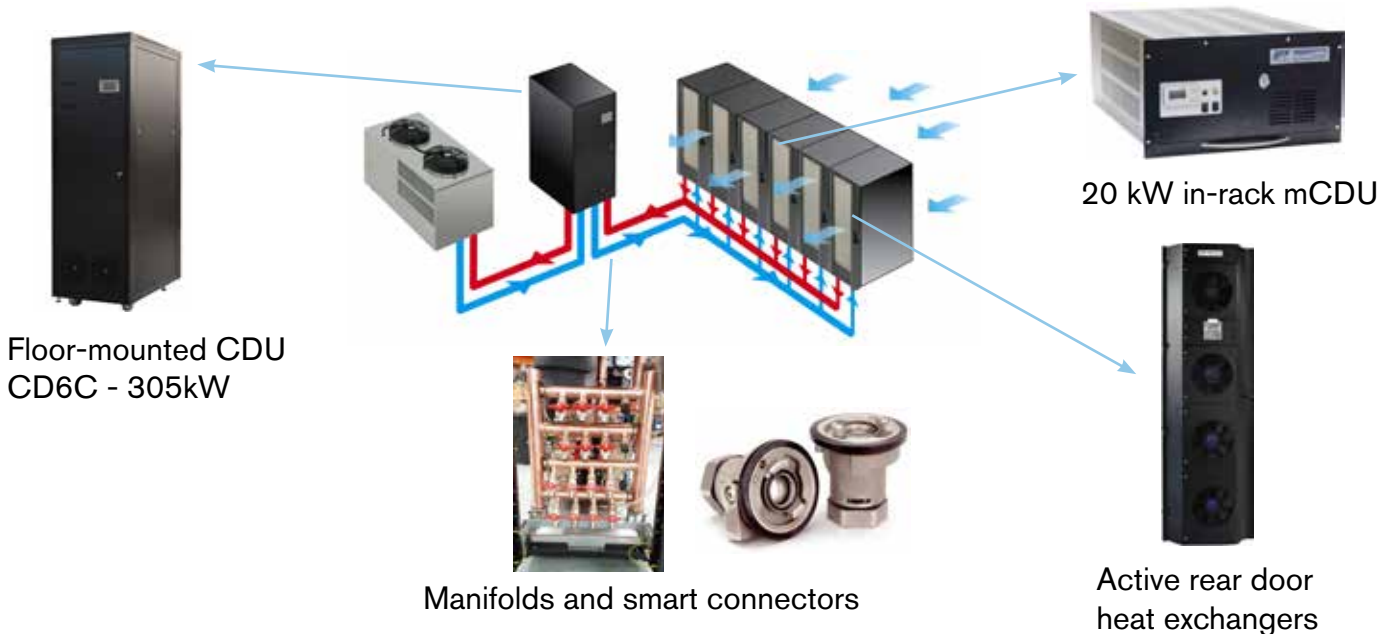


REAR VIEW

(Door and side panels removed)



COMPLEMENTARY PRODUCTS AND ACCESSORIES



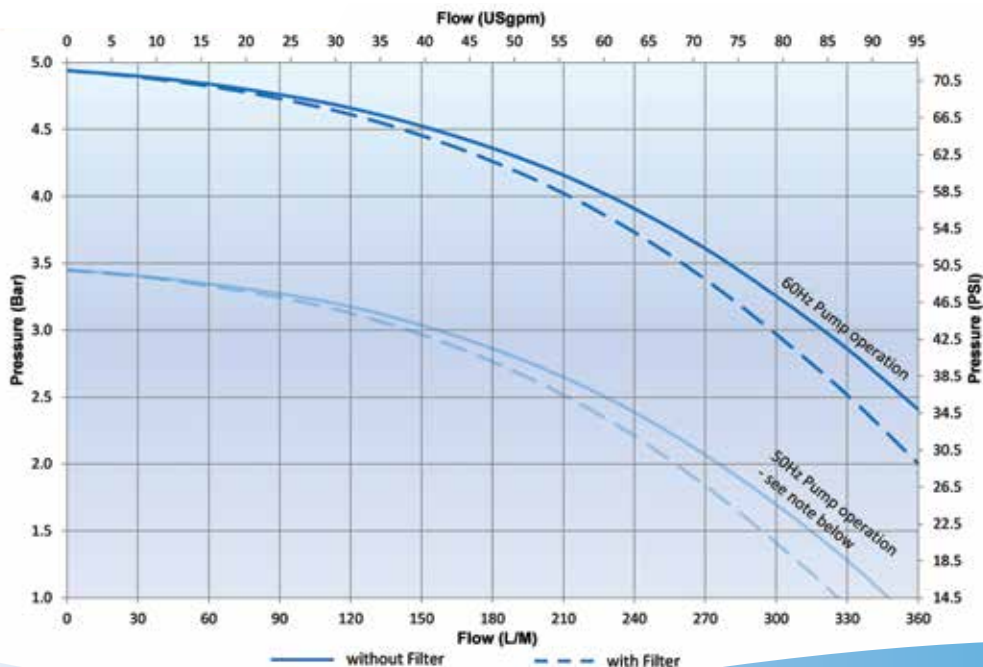
TECHNICAL DATA

	PHYSICAL DATA	
	Shipping data	Installed in white space
Unit dimensions (width x height x depth)	745mm x 2110mm x 1145mm 29.3" x 83.1" x 45.1"	600mm x 1885mm x 1000mm 23.6" x 74.2" x 39.4"
Weight	432 kg (952.4 lb)	Dry 330 kg (727.5 lb); Wet 384 kg (846.5 lb)
Pipe connections	Secondary circuit: 2" sanitary flanges (with or without flex tails) 6 or 8 x 3/4", 4 or 6 x 1" hose connections (internal manifold option) Primary circuit: 2" sanitary flanges (with or without flex tails)	

ELECTRICAL DATA	
Power supply	400V 50/60Hz, 480V 60Hz, 208V 60Hz, 200V 50/60Hz
Full load current	8.4A @ 400V, 8.0A @ 480V, 15.8A @ 208V, 15.8A @ 200V
Typical nominal power and installed load	4.3 kW (maximum) 6.4 kVA (maximum)
Electrical connection	3 phase + Ground
Communication	Ethernet RJ45 for RS485 communication (BMS); TCP/IP communication for SNMP, FTP, Telnet, Modbus

PERFORMANCE	
Pumps setup	Tandem or standby operation
Nominal flow rate	360L/M (95 USgpm)
Cooling capacity	305 kW with 10°C primary water
Minimum approach temperature (plain water)	1.5°C at 20% full load 6°C at 100% full load
Primary temperature	ASHRAE W1 to ASHRAE W4
Secondary temperature	Up to 55°C

PRESSURE AVAILABLE FROM CDU UNIT





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 unequalled. 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, visit our website www.servercool.com.

Contributors to

