The DDC family of products enables the cost-effective deployment of IT infrastructure, in any environment, while improving energy efficiency, security, density, and time-to-market. From data center construction or modernization projects, to micro-edge deployments, DDC Cabinet Technology offers the most complete and robust solutions.

Any Hardware. Any Density. Anywhere. **For Less.**

AI / Analytics Workloads

Data Center Modernization

Rapid Deployment Needs

New Construction for All Densities

Labs (Variable Environmental Control)

Efficiency / Sustainability Improvement

High Security / Defense Deployments

Edge Computing

Hybrid IT / HPC

5G & IoT

DDC Cabinet Technology: Anywhere IT Needs To Be

Scalable S-Series

The S-Series platform enables the efficient, high-density deployment of any IT hardware. Its closed-loop, modular design combines the efficiency of water cooling, with the risk-free flexibility of AIR! Patented Dynamic Density Control® technology adjusts airflow and temperature in real-time based on the equipment loads, delivering better hardware performance, less component failures, and unbeatable future proofing.

S-Series supports up to 85kW per cabinet, can be deployed green-field or to help modernize existing sites. The DDC DCIM Portal provides monitoring and reporting and granular control to deliver maximum efficiency (PUE), ROI (Cost), plus direct integration with existing monitoring or building management system. The DDC S-Series platform delivers unbeatable density, efficiency, security, and risk management features in a modular, build-as-you-grow form factor, all for around $1/watt!

Ruggedized R-Series

The R-Series is engineered to deliver IT hardware to locations data center resources do not exist. With Edge requirements as extreme as deep earth mines and battle fields, the demand for ruggedized, mobile, outdoor, and small form factor IT delivery is at an all-time high.

R-Series combines ruggedization and ease-of-use, is available in several form factors, and is built to exacting NEMA 4 standards (4X available), providing turnkey capacity where you need it.

R-Series features include closed-loop DX cooling, mission-critical venting, extreme weather proofing, mobility, adaptive shock mitigation, physical security, and fire suppression options, while ensuring pristine data center conditions in every imaginable environment.

S-Series Specs

Model	S-1020	S-1042	S-1085
Density Capability	**20kW**	**42kW**	**85kW**
Rack Units	40U, 45U	40U, 45U, 60U*	40U, 45U, 60U*
Fire Suppression	Optional	Optional	Optional
Coil Design	Single	Single	Dual
Water Flow (Range)	0-10 GPM	0-10 GPM	0 - 20 GPM
Fan Design	Single	Single	Dual
Airflow	Up to 1800 CFM	Up to 3500 CFM	Up to 7200 CFM
Cabinet Power Voltage Option	"120v 1P, 208v 1P, 240 1P @50-60Hz"	"120v 1P, 208v 1P, 240 1P @50-60Hz"	"120v 1P, 208v 1P, 240 1P @50-60Hz"
Additional Power Options	N/A	380-480v, 3P	380-480v, 3P
Water Operating Temp	Standard Operating Temps 40° - 65°F, High Water Temp (HWT) Support Options Available Up to 80°F		
Biometric Access Control	N/A	Optional	Optional
Local Setpoint Control	Included	N/A	N/A
DDC - DCIM Software	**N/A**	**Required**	**Required**
Remote Management	N/A	Included	Included
Environmental Analytics Package	N/A	DDC Power Strips Required	DDC Power Strips Required
BMS Integration	N/A	Optional	Optional
Physical Specifications	**115 x 24x 72 (in)**	**115 x 24x 72 (in)**	**115 x 24x 72 (in)**
Measurements (45U)	**292 x 61 x 183 (cm)**	**292 x 61 x 183 (cm)**	**292 x 61 x 183 (cm)**
Maximum Equipment Depth	48 (in) 1200(mm)	48 (in) 1200(mm)	48 (in) 1200(mm)
NEMA Design	NEMA 3	NEMA 3	NEMA 3

R-Series Specs

Model	R-1012	R-1024	R-1030	R-1042	R-Mobile	R-HD
Density Capability	293W-1.75kW	2.3-3.5kW	2.3kW-7.9kW	5.8-11kW	3.5kW-5.9kW	20kW-80kW
Rack Units	12U	24U	30U	42U	24U	42U
Measurements (HxWxD)	32.5 x 25.5 x 55 (in) 82.5 x 65 x 140 (cm)	58 x 28.5 x 58 (in) 173 x 71 x 173 (cm)	68.5 x 28.5 x 58 (in) 181 x 71 x 173 (cm)	95 x 30.5 x 75 (in) 242 x 78 x 191 (cm)	61-78 x 25.5 x 66 (in) 155-198 x 65 x 168 (cm)	90 x 48 x 64 (in) 229 x 122 x 163 (cm)
Max Equipment Depth	32 (in) 81.3 (cm)	29 (in) 73.66 (cm)	29 (in) 73.66 (cm)	29 (in) 73.66 (cm)	29 (in) 73.66 (cm)	36 (in) 91.44 (cm)
Unit Weight	310 (lbs) 141 (kg)	675 (lbs) 306 (kg)	725 (lbs) 329 (kg)	1,100 (lbs) 499 (kg)	800 (lbs) 363 (kg)	2,300 (lbs) 1044(kg)
NEMA Rating	NEMA 4 (4X option)	NEMA 4 (4X option)	NEMA 4 (4X option)	NEMA 4 (4X option)	NEMA 3/4	NEMA 4 (4X option)
Controls	Automated Cooling / HVAC Control					
Fire Suppression / Risk Mgmt.	Integrated, Inert Gas Based					
Cabinet-Level Power (CDUs)	Optional					
Power Management	Optional based on location					
Cooling System	Dx Air Conditioning					Water Cooled Heat Exchange
Water Temp Operating Range	NA					45°-60°F (7.2°-15.6°C)
Flow Rate	NA					19 GPM (4.3 m3/h)
Air Flow	175-350 CFM (297-594 m3/h)	350-800 CFM (594-1,360 m3/h)	350-800 CFM (594-1,360 m3/h)	675 CFM (1,150 m3/h)	350-500 CFM (594-850 m3/h)	1,750-4,700 CFM (2,974-7,985 m3/h)
Inter-Cabinet Cable Mgmt.	Optional	Optional	Optional	Optional	Optional	Included
Security Options	Locks/Biometrics/2FA					