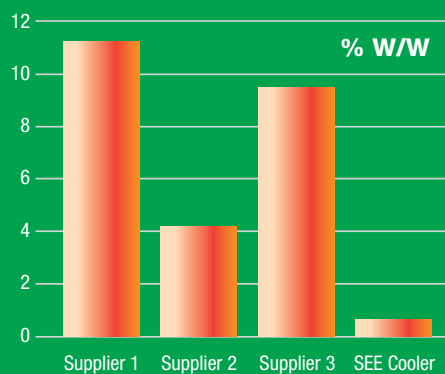


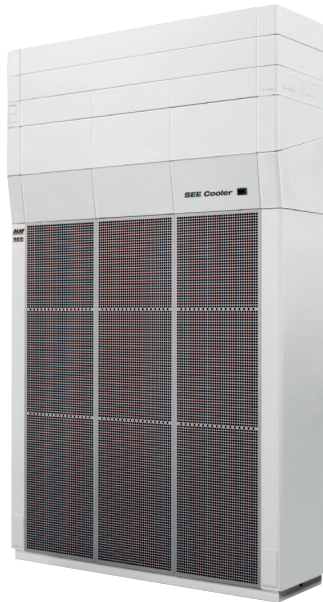
Power Consumption Room Units



SEE Cooler HDZ

*High Density Zone Data Center Product
World's Greenest Cooling Solution*

see
COOLING



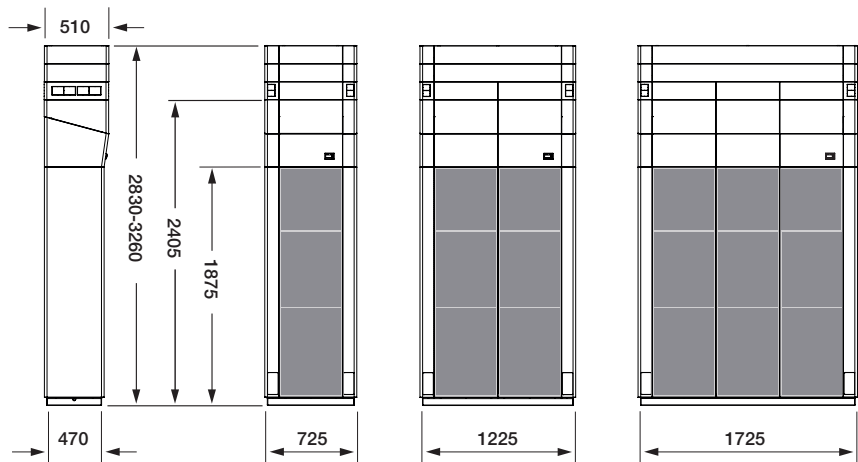
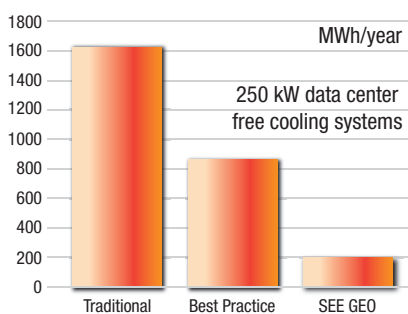
SEE Cooler HDZ is a patented extremely energy efficient Datacom cooler is designed for high density cooling of blade server racks and other equipment with high heat dissipation.

SEE Cooler HDZ can be connected to three separate mains with or without UPS support.

SEE Cooler HDZ can be connected to two separate and redundant cooling distributions to even further increase security. It can also be connected to a single coolant distribution without any reduction in capacity.

SEE Cooler HDZ is preferably used in the patented high density zoon design we recommend for high capacity cooling in data centers. Can also, with good result, be used to lower temperature in overloaded data centers.

Power Consumption vs. Competition



Technical Data		HDZ-1	HDZ-2	HDZ-3
Total capacity ¹⁾	kW	18,7	37,3	56
Sensible capacity ¹⁾	kW	18,7	37,3	56
COP ¹⁾		49	49	49
Air flow	m ³ /s	1,09	2,18	3,27
Coolant 1	l/s	0,5	1,0	1,5
Coolant 2	l/s	0,5	1,0	1,5
Pressure drop	kPa	27	27	26
Power input (P1)	kW	0,4	0,8	1,2
Rated current	A	1x1,7	2x1,7	3x1,7
Fans	#	1	2	3
Dry weight	kg	183	279	380
Sound level ²⁾	dBA	57	60	62

1) Coolant inlet = 20°C, Air inlet = 37°C, Room conditions: 24°C, 50% RH

2) At 5 meter distance from unit in typical environment



Cooling Capacity		HDZ-1		HDZ-2		HDZ-3	
Coolant temp _{in}		Sens kW	Tot kW	Sens kW	Tot kW	Sens kW	Tot kW
10,0°C		27	28	55	57	82	85
20,0°C		18,5	18,5	37,3	37,3	56	56

Air inlet = 37°C, Room conditions : 24°C, 50% RH