

SmartCool One™

Powerful Precision Cooling up to 1MW



15kW - 1MW

- + 15kW-1MW CRAH designed for global application in Colo / Hyperscale
- + Optimised air and water conditions
- + Intelligent controls platform
- + Manufactured in the USA



Precision Cooling

Up to 1MW

Developed specifically for large colocation and hyperscale data center applications across the globe, SmartCool One is a versatile cooling system, developed to meet an increasing demand for large-scale energy efficient precision cooling for a market increasingly focused on sustainability and performance. Based on the already proven SmartCool platform and delivering precise control of temperature, humidity and air quality, SmartCool One is Airedale's global answer to a truly global challenge.

With a cooling capacity of up to 1MW, optimised for maximum free cooling when paired with a free cooling chiller and with a minimal footprint allowing more space for servers, SmartCool One contributes to low PUEs and gives increased benefits of economies of scale to large data center operators.

helix

- + Touch screen user interface (full color graphic)
- + Supply or return air temperature control optimised PID loop
- + Inbuilt automatic transfer switch dual mains power supply
- + Airflow management (constant pressure control)

TYPE		SO09DxxxCHCSx-0	SO12DxxxCHCSx-0	SO15DxxxCHCSx-0	SO18DxxxCHDXx-0	SO22DxxxCHDXx-0	SO25DxxxCHDXx-0	SO31DxxxCHDXx-0	SO35DxxxCHDXx-0
Unit overall external (H x W x D)	mm	1980 x 900 x 890	1980 x 1200 x 890	1980 x 1500 x 890	2280 x 1800 x 1050	2280 x 2200 x 1050	2280 x 2500 x 1050	2280 x 3100 x 1050	2280 x 3500 x 1050
Unit overall external (H x W x D)	in	78 x 35 x 35	78 x 47 x 35	78 x 59 x 35	90 x 71 x 41	90 x 87 x 41	90 x 98 x 41	90 x 122 x 41	90 x 138 x 41
Number of fans		1	1	2	2	3	3	4	4
Air volume 100%	cfm	7734	9175	15595	18032	25003	26973	35428	37102
Air volume 100%	m ³ /hr	13140	15588	26496	30636	42480	45828	60192	63036
Coil rows		8	8	8	10	10	10	10	10
Coil capacity @ 100% air volume	kW	54	67	109	134	183	200	264	280
Coil capacity @ 100% air volume	MBH	186	228	372	457	623	683	902	954

For data beyond 300kW, please contact your Airedale sales engineer.

