

## ColdLogik

### CL80 InRow Cooler

ColdLogik CL80 InRow Coolers are fitted alongside cabinets in containment, typically being IEC 297 3 and EIA STD 310 compliant. The coolers ensure efficient thermal and energy performance by removing the heat generated by the active equipment, preventing hot exhaust air entering space where it is not permitted.

Ambient air is pulled into the cabinet by the active equipment fans – the hot air produced by the equipment passes over a heat exchanger matrix, either by its own velocity or being pulled through via EC centrifugal fans mounted in the CL80. The heat is rejected to coolant and chilled air is passed back into the room at a predetermined ambient temperature.

The InRow coolers can be sited within an existing data centre to work with existing computer room air-conditioning to provide additional cooling. They also reduce energy consumption and remove hot spots.



**CL80 InRow Cooler Technical Specifications**

	<b>300w</b>	<b>600w</b>
<b>Max Cooling Capacity</b>	<b>68kW</b>	<b>75kW</b>
<b>General</b>		
Height	42U (47U, 48U, 52U with blanking plate)	
Width	300mm	600mm
Depth	1000mm/1200mm	
Weight - Dry	140	200
Weight - Wet	155	212
Volume Capacity	2.82 US gallons / 11 litres	
Power Requirement	Phase to phase(208v)/phase to neutral(230v)	
<b>Fans</b>		
Backward curved centrifugal fans, Incorporating EC technology, IP44 rated		
Number of	6	
Current consumption, each fan	1.25A maximum	
Air flow, each fan	839cfm/1,425 m <sup>3</sup> /hr	
Sound pressure, noise per fan	70dBA@1 metre/3.3'	
<b>Fan Requirement</b>	six fan coolers @ 208V 60Hz /230V 50Hz	
<b>Fan Speed %/cfm</b>	<b>Power for six fans @ 208V 60Hz</b>	<b>Power for six fans @ 230V 50Hz</b>
25%/1255cfm	1.6A/333w	1.5A/302w
30%/1505cfm	1.8A/375w	1.6A/339w
35%/1756cfm	2A/416w	1.8A/376w
40%/2007cfm	2.3A/478w	2.1A/632w
45%/2258cfm	2.6A/541w	2.4A/489w
50%/2509cfm	2.9A/603w	3.7A/545w
60%/3011cfm	3.5A/728w	3.2A/658w
70%/3513cfm	4.3A/895w	3.9A/804w
80%/4015cfm	5.1A/1061w	4.7A/959w
90%/4516cfm	6.1A/1269w	5.5A/1147w
100%/5018cfm	7.1A/1477w	6.4A/1335w