

Rittal – The System.

Faster – better – everywhere.

► Introducing the 20kW LCP DX Rack and Inline



As IT moves to more remote locations, these installations can be confined in small spaces often without sufficient climate control leading to excessive heat adversely impacting IT equipment. Rittal's LCP DX is the ideal cooling solution for these locations.

The LCP DX provides 20kW of cooling capacity and is available in closed loop Rack and open loop Inline. The LCP Rack DX is coupled with one to multiple racks for placement in non-controlled environments. The LCP Inline DX is the optimal choice for maintaining temperatures in re-purposed data rooms and server closets.

The New LCP DX 20kW	20kW LCP DX
Cooling output 20kW	✓
Standard and high ambient condensers for all North America locations	✓
Small footprint due to innovation large surface area coil design	✓
Easy maintenance with tool less EC fan replacement and easy access	✓
High partial load efficiencies from the inverter controlled compressor which maintains set point temperature as heat loads vary	✓
Electronic expansion valve to quickly react to the changing thermal loads and optimize system operation	✓
Redundancy achieved by inter-connecting up to 8 units, coordinating air flow, alarms and time of day operation	✓
Reduce downtime through remote notification when inlet filter needs to be replaced	✓

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



Model No.	LCP Inline DX 3311.391	LCP Rack DX 3311.392
Total cooling output required kW (BTU)	20 (68,242)	20 (68,242)
Height inches (mm)	79 (2000)	79 (2000)
Width inches (mm)	12 (300)	12 (300)
Depth inches (mm)	48 (1200)	48 (1200)
Installation in bayed enclosure suite	Flush	Flush
Color	Black RAL 9005	Black RAL 9005
Rated operating voltage V, ~, Hz	208, 1~, 60	208, 1~, 60
Type of connection (electrical)	Terminal	Terminal
Air throughput at max. cooling output cfm (m³/h)	2825 (4800)	2825 (4800)
Fans may be exchanged with the system operational	Yes, tool less	Yes, tool less
Fan type (Number of fan modules)	EC (4)	EC (4)
Duty cycle %	100	100
Weight in supplied state lb (kg)	443 (201)	443 (201)
Compressor type	Scroll	Scroll
Piping (max) distance feet (m)	150 (45)	150 (45)
Network access	SNMP	SNMP
Accessories		
Condenser unit (Standard, high ambient temperature available)	9951.077	9951.077



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