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# SK 3311.490 Liquid Cooling Unit

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## SK 3311.490 - Liquid Cooling Unit LCU DX, single

Refrigerant-based enclosure cooling in single version for VX IT or Micro Data Center without heating up the installation room. With two output categories 3 kW and 6.5 kW, the ideal cooling solution for smaller IT applications.

#### **Features**

Model No.	SK 3311.490
Version	LCU DX 3 kW
Benefits	Space-saving solution by installing the indoor unit in the VX IT
	server enclosure or in the Micro Data Center
	Maximum energy efficiency due to EC fan technology and IT-based control
	Control of the server inlet temperature
	The inverter-controlled compressor matches the cooling output to the current level of heat loss in the enclosure
	Absorbed thermal energy is emitted directly into the ambient air at
	the location of the (inverter controlled) external unit , without
	heating up the installation room
Applications	Cooling unit for VX IT server enclosures and for Micro Data Centers
Function principle	The device supports "front to back" air routing typical of IT applications, and regulates the server inlet temperature to the set value
Material	Carbon steel, spray finished
Color	Internal unit: RAL 7035
	External unit: white
Supply includes	Internal unit (condenser)
	External unit (inverter controlled)
	482.6 mm (19") mounting bracket cover with control and display
	elements
	Condensate hose

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### Features

Installation options in VX  19° profile rails, standard or dynamic, must be off-centered by 50 mm in regards to width The distance between the front of the 19° profile rails and the front edge of the VX frame must be at least 100 mm Two system chassis for the inner mounting level are required to fasten the internal unit Air baffle plates are required to separate the hot/cold zones within an enclosure A base/plinth is needed to route cables downwards  Note  If the cooling output falls below its minimum value, fluctuations in the air intake temperature may result The electrical connection is made to the external unit, the internal unit is supplied by the external unit is supplied by the external unit IP 20 External unit IP 24  Modulation range  1 - 3 kW  Max. cooling output  3 kW  Type of connection (electrical)  Connection clamp  Duty cycle  100 %  Operating temperature  The specified operating temperature applies to the external unit  Suitable for  Width: - 800 mm Height: ≥ 1,800 mm Depth: ≥ 1,000 mm  Dimensions of the internal unit  Width: 105 mm Depth: 21,000 mm  Dimensions, external unit  Width: 810 mm Height: 558 mm Depth: 310 mm  Rated operating voltage  230 V, 1~, 50 Hz  Pre-fuse  16 A  Rated current  7 A  Packaging unit  1 pc(s).		
the air intake temperature may result The electrical connection is made to the external unit, the internal unit is supplied by the external unit  Protection category IP to IEC 60 529  External unit IP 20 External unit IP X4  Modulation range  1 - 3 kW  Max. cooling output  3 kW  Type of connection (electrical)  Connection clamp  Duty cycle  100 %  Operating temperature  The specified operating temperature applies to the external unit  Suitable for  Enclosure type: VX IT Width: = 800 mm Height: ≥ 1,800 mm Depth: ≥ 1,000 mm  Dimensions of the internal unit  Width: 105 mm Height: 1,550 mm Depth: 820 mm  Dimensions, external unit  Width: 810 mm Height: 558 mm Depth: 310 mm  Rated operating voltage  230 V, 1~, 50 Hz  Pre-fuse  16 A  Rated current  7 A	Installation options in VX	mm in regards to width  The distance between the front of the 19" profile rails and the front edge of the VX frame must be at least 100 mm  Two system chassis for the inner mounting level are required to fasten the internal unit  Air baffle plates are required to separate the hot/cold zones within an enclosure
529 External unit IP X4  Modulation range 1 - 3 kW  Max. cooling output 3 kW  Type of connection (electrical) Connection clamp  Duty cycle 100 %  Operating temperature The specified operating temperature applies to the external unit  Suitable for Enclosure type: VX IT Width: = 800 mm Height: ≥ 1,800 mm Depth: ≥ 1,800 mm Depth: ≥ 1,000 mm  Dimensions of the internal unit Width: 105 mm Height: 1,550 mm Depth: 820 mm  Dimensions, external unit Width: 810 mm Height: 558 mm Depth: 310 mm  Rated operating voltage 230 V, 1~, 50 Hz  Pre-fuse 16 A  Rated current 7 A	Note	the air intake temperature may result  The electrical connection is made to the external unit, the internal
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Pre-fuse 16 A Rated current 7 A	Dimensions, external unit	Height: 558 mm
Rated current 7 A	Rated operating voltage	230 V, 1~, 50 Hz
	Pre-fuse	16 A
Packaging unit 1 pc(s).	Rated current	7 A
	Packaging unit	1 pc(s).

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## Features

Net weight	95.475
Gross weight	100.5
Customs tariff number	84158200
EAN	4028177709348
ETIM 9	EC000855
ETIM 8	EC000855
ECLASS 8.0	27180704

## **Approvals**

Certificates	EAC
Explanations	Declaration of conformity

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