

Description

The EN42CW is a compact, close coupled chilled water cooling unit that utilises electronically controlled fans and valve technology combined with the V-Coil. This allows the EN42CW to deliver impressive cooling duties from a space saving package. The EN42CW can provide up to 70kW of sensible cooling, while occupying the space of a single 42U cabinet.

Application

The EN42CW is ideal for all IT room and data centre applications. It offers excellent duty-to-footprint ratios and coupled with Optimum's internal Hot Air Corridor (iHAC) offers class leading efficiency for all heat densities.

Air Handling Unit Specification

Fans			
Quantity	No.	5	
Туре	-	ebmR3G310 AN43-71	
Nominal Air Flow	m³/h	11600	
Nominal Fan Power	kW	0.74	
Sound Level	dB(A)	69	
Max Air Flow - Semi Recessed	m³/h	14500	
Electrical Characteristics			
Power Supply	V/Ph/Hz	230/1/50	
Configuration	-	Dual Power Supply with ATS Relay - IEC C20 Chassis Plugs	
Max Fan Motor Current (each) - Semi Recessed	Α	0.82	
Max Fan Motor Power (each) - Semi Recessed	W	0.19	
Max Absorbed Power - Semi Recessed	kW	0.95	
Chilled Water Coil			
Rows	No.	3	
Face Area	m²	1.83	
Tubes/Fins	-	Cu tubes/Al fins	
Water Connections			
Chilled Water Supply and Return	BSPT	1.5"	
Condensate Pump	mm (ID)	6	
Drain	NPT	1/4" x 18	
Weight and Dimensions			
Unit Packed Shipping Weight	kg	190	
Unit Weight	kg	160	
Unit Weight Filled With Water	kg	170	
Unit Dimensions (H x W x D)	mm	1885 x 440 x 990	
Unit Packed Dimensions (H x W x D)	mm	1900 x 500 x 1200	







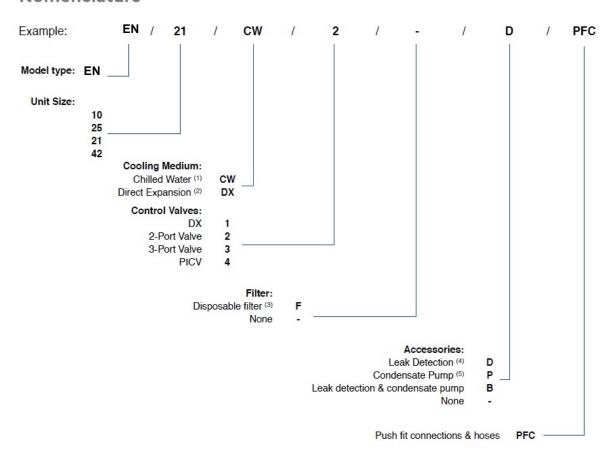


EN42CW

Nominal Performance Data

Entering Wat	er Temp. (°C)	10 12 13		13	14	16	
Return Air Temp. (°C)	CW Temp. Rise (°C)	Sensible Capacity (kW)					
35.00	5.5	68	63	60	57	52	

Nomenclature



Notes

- 1. CW available on EN21 and EN42
- 2. DX available on EN10 and EN21; includes in-rack cooler and matching air-cooled condenser
- 3. Washable filter, grade EU4
- 4. Leak detection standard on DX units, optional on CW units
- 5. Condensate pump on DX units, optional on CW units

Specification

For full specification and performance details please refer to Technical Data Manual and Installation & Operating manual



