

Description

The **EN10CW** is a compact, close coupled chilled water unit that utilises electronically controlled fan and valve technology combined with a coil. This allows the **EN10CW** to deliver impressive cooling duties from a space saving package. The system can provide an impressive 10kW of cooling from 10U of rack space.

Application

The **EN10CW** is ideal for all IT room and data centre applications as well as small communication rooms and small data centres including single rack applications. It offers excellent duty-to-footprint ratios and coupled with [Optimum's internal Hot Air Capture \(iHAC\)](#) offers class- leading efficiency for all heat densities.



Air Handling Unit Specification

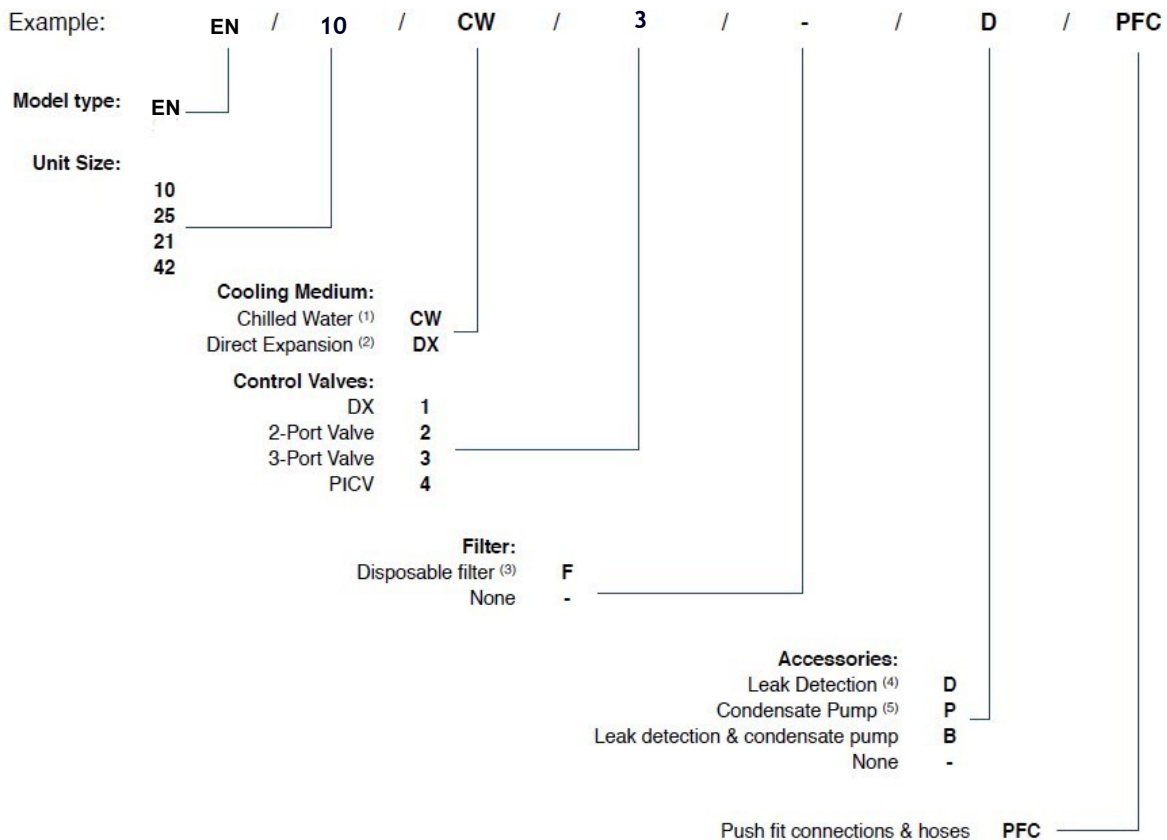
Fans		
Quantity	No.	1
Nominal Airflow	m³/h	2112
Sound level	dB(A)	63
Max Air Flow	m³/h	2400
Electrical Characteristics	V/Ph/Hz	230/1/50
Max Fan Motor Current (each)	A	1.2
Max Fan Motor powered (each)	W	0.28
Absorbed Power	kW	0.3
Cooling Coil		
Flows	No.	3
Face Area	m ²	0.246
Tubes/Fins	Tubes	
Water connections		
Chilled Water Supply and Return	BSPT	1"
Condensate Pump	mm (ID)	6
Drain	NPT	1/4 x 18
Weight and Dimensions		
Unit Packed Shipping Weight	kg	42 (approx)
Unit Weight	kg	35 (approx)
Unit Weight filled with Water	kg	41 (approx)
Unit Dimensions(H x W x D)	mm	445 x 439 x 906
Unit Packed Dimensions (H x W x D)	mm	500 x 500 x 1000

Condensing Unit Specification

Fans		
Quantity	No.	1
Nominal Airflow	m ³ /h	5596
Sound level	dB(A) @ 10m	38
Electrical Characteristics		
Unit FLA	A	10
Unit LRA	A	50
Weights and Dimensions		
Unit dimensions (H x W x D)	mm	989 x 1368 x 547
Unit packed dimensions (H x W x D)	mm	100 x 1500 x 600
Feet Centres	mm	150
Weights and Dimensions	kg	105
Packed Weight	kg	110

Entering Water Temp (°C)		10	12	13	14	16
Return Air Temp. (°C)	CW Temp. Rise (°C)	Sensible Capacity (kW)				
35.00	5.5	11	10	9	7.5	7

Nomenclature



Notes

1. CW available on EN10, 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