



## Description

The **EN21DX** is a compact, close coupled direct expansion cooling system utilising electronically controlled scroll compressor technology allowing the **EN21DX** to deliver impressive cooling duties from a space saving package. The unit can provide almost 23kW of sensible cooling while occupying only half of the standard 42U rack.

## Application

The **EN21DX** is ideal for all IT room and small data centre applications. As a self-contained direct expansion system, it does not require a chilled water supply to operate.

## EN21DX



## Air Handling Unit Specification

Fans		
Quantity	No.	2
Nominal Airflow	m3/h	4800
Sound Level	dB(A)	65
Max Air Flow	m3/h	6200
Electrical Characteristics	V/Ph/Hz	230/1/50
Max Fan Motor Current (each)	A	0.82
Max Fan Motor Power (each)	W	0.19
Absorbed Power	kW	0.4
Cooling Coil		
Rows	No.	2
Face Area	m <sup>2</sup>	0.92
Tubes/Fins	Tubes	
Refrigerant	R407c	
Refrigerant Connections		
Liquid Line	5/8"	
Suction Line	1-1/8"	
Condensate Pump (Optional)	6mm PE Hose	
Weights and Dimensions		
Air Handling Unit Weight	kg	90
Air Handling Unit Dimensions (H x W x D)	mm	950 x 440 x 990

## Condensing Unit Specification

Fans		
Quantity	No.	1
Nominal Airflow	m <sup>3</sup> /h	5596
Sound Level	dB(A) @ 10m	38
Electrical Characteristics	V/Ph/Hz	415/3/50
Unit FLA	A	17
Unit LRA	A	100
Weights and Dimensions		
H x W x D	mm	989 x 1368 x 547
Feet Centres	mm	1250
Weight	kg	152

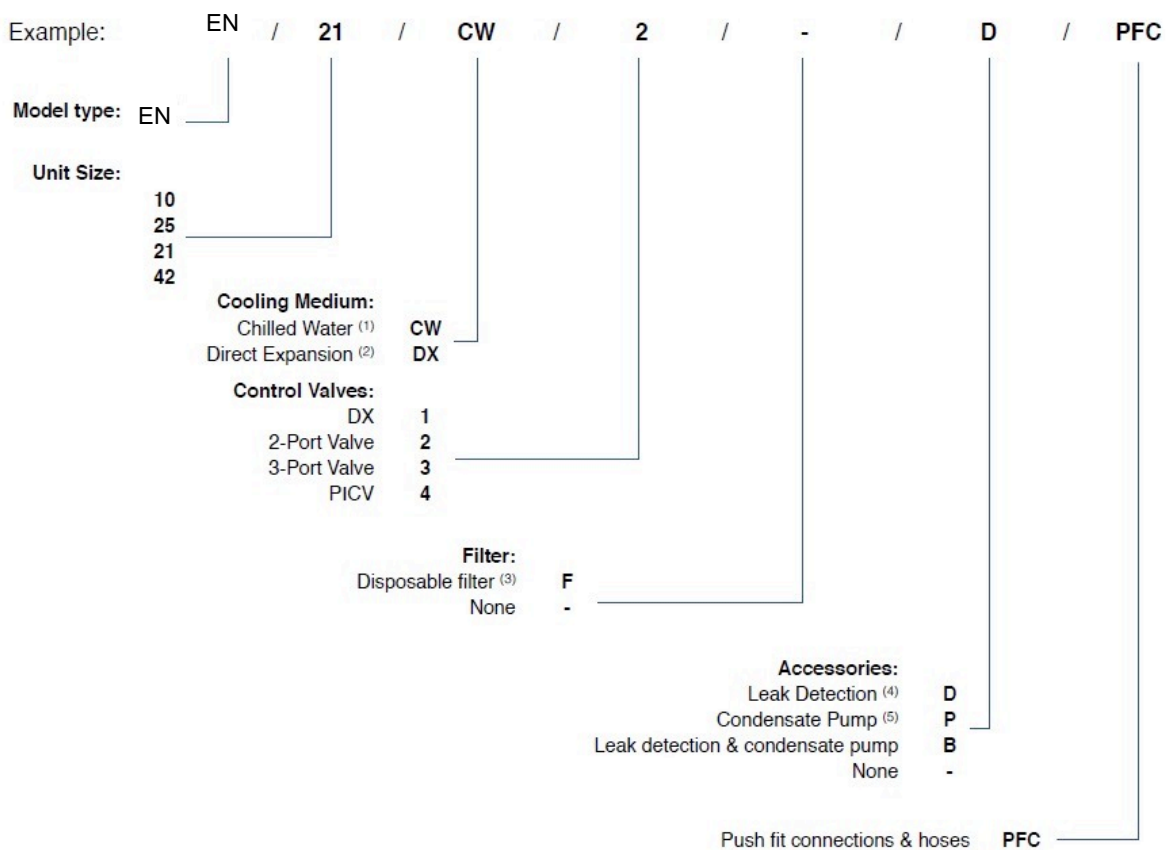




## Nominal Performance Data

Return Air Temperature (°C)	% Fan Speed	Air Volume (m³/hr)	Fan Abs'd Power (kW)	Cooling Capacity (kW)	Supply Air Temp. (°C)
35	80	4800	0.4	22.7	19.7
	70	4060	0.33	20.8	19
	60	3480	0.21	18.8	18.1
	50	2900	0.12	16.6	17.2

## 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