

# Precision Cooling

## STULZ Mini-Space EC

**STULZ**

CLIMATE. CUSTOMIZED.

STULZ Mini-Space EC vertical floor mounted air conditioning units provide precision temperature and humidity control for computer rooms and other critical areas where continuous 24/7/365 operation is required. The Mini-Space EC solution is designed with a wide range of options to handle small IT spaces, telecommunications, medical, modular data centers, and more.



### Applications

- Small Data Centers
- Modular Data Centers
- IT Equipment Room
- Telecommunications
- Hospitals
- Laboratories
- Broadcasting

### STULZ Mini-Space EC (CCU/D)

Capacity	kW	4 - 12
	MBH	12 - 41
	Tons	1 - 3.5
Airflow	CFM	1,200 - 1,900

### Features and Benefits

- STULZ State-of-the-Art  $E^2$  Microprocessor with a Range of BMS Interface Options
- Direct Expansion (DX) & Chilled Water (CW)
- 100% Front Service Access (all panels removable for additional convenience)
- Up and Down-Flow Air Patterns
- Front Discharge
- Highly Efficient Electronically Commutated (EC) Backward Curved Plenum Fan
- Compact Footprint
- R-410A
- Designed and Manufactured in the USA

# Technical data

## STULZ Mini-Space EC

Capacity								
	Air Cooled				Water Cooled			
Model:	CC()-041-A-EC	CC()-061-A-EC	CC()-081-A-EC	CC()-121-A-EC	CC()-041-W-EC	CC()-061-W-EC	CC()-081-W-EC	C()-121-W-EC
<b>NET DX COOLING CAPACITY (Includes Motor Heat @ Rated cfm &amp; esp)</b>								
<b>80 °F DB/62.9 °F WB, 38% RH, 52.3 °F DP</b>								
Total, kW (MBH)	6.8 (23.2)	7.7 (26.1)	9.3 (31.7)	12.4 (42.2)	7.5 (25.6)	8.6 (29.3)	10.4 (35.5)	13.7 (46.8)
Sensible, kW (MBH)	6.8 (23.2)	7.7 (26.1)	9.1 (31.2)	12.4 (42.2)	7.5 (25.6)	8.6 (29.3)	9.5 (32.4)	13.7 (46.8)
<b>Evaporator Blower / Motor - Backward Curved EC</b>								
Nominal Motor Power, hp	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Rated Air Flow, cfm @ .2 inH <sub>2</sub> O esp	1,180	1,180	1,180	1,890	1,180	1,180	1,180	1,890
Quantity of Blowers	1	1	1	1	1	1	1	1
<b>Compressor - R-410A</b>								
Type (Qty)	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)
Input Per Compressor, W	1,880	2,230	2,850	3,760	1,510	1,810	2,580	3,020
<b>Physical Weight &amp; Dimensions</b>								
Approximate Weight, lb	450	450	450	480	480	480	480	510
Approximate Weight, kg	204	204	204	218	218	218	218	231
Unit Dimensions, in	73 × 25 × 24				73 × 25 × 24			
Unit Dimensions, mm	1,854 × 635 × 610				1,854 × 635 × 610			

Capacity					
	Glycol Cooled				Chilled Water
Model:	CC()-041-G-EC	CC()-061-G-EC	CC()-081-G-EC	CC()-121-G-EC	CC()-110-C-EC
<b>NET DX COOLING CAPACITY (Includes Motor Heat @ Rated cfm &amp; esp)</b>					<b>NET DX COOLING CAPACITY - @ 50 °F EWT, 0% Glycol Solution (Includes motor heat @ rated cfm &amp; esp)</b>
<b>80 °F DB/62.9 °F WB, 38% RH, 52.3 °F DP</b>					<b>80 °F DB/62.9 °F WB, 38% RH, 52 °F DP - High Flow (10 °F ΔTw)</b>
Total, kW (MBH)	6.6 (22.6)	7.4 (25.4)	8.9 (30.5)	12.0 (41.0)	9.1 (30.9)
Sensible, kW (MBH)	6.6 (22.6)	7.4 (25.4)	8.9 (30.5)	12.0 (41.0)	9.1 (30.9)
<b>Evaporator Blower / Motor - Backward Curved EC</b>					<b>Chilled Water Coil / Motor - Backward Curved EC</b>
Nominal Motor Power, hp	1.3	1.3	1.3	1.3	1.3
Rated Air Flow, cfm @ .2 inH <sub>2</sub> O esp	1,180	1,180	1,180	1,890	1,890
Quantity of Blowers	1	1	1	1	1
<b>Compressor - R-410A</b>					
Type (Qty)	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)	N/A
Input per Compressor, W	2,020	2,390	3,050	4,040	N/A
<b>Physical Weight &amp; Dimensions</b>					
Approximate Weight, lb	480	480	480	510	400
Approximate Weight, kg	218	218	218	231	181
Unit Dimensions, in	73 × 25 × 24				73 × 25 × 24
Unit Dimensions, mm	1,854 × 635 × 610				1,854 × 635 × 610

Voltages
<b>1 or 3 Phase Power Supply</b>
208/1/60
208/3/60
460/3/60

### Additional Options

- Heat/Reheat
- Humidification
- Low Temperature Water Kit
  - Kit not available with Humidification
- External Filter Box (Ducted Rear Return)

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Technical documentation subject to change without notice  
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