

The STULZ logo is displayed in white, bold, uppercase letters on a red rectangular background.

CLIMATE. CUSTOMIZED.

Perimeter Mounted Cooling

STULZ Mini-Space™ EC



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.

- 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 | | |
|---------------------|------|---------------|
| CCU/D | | |
| Capacity | kW | 4 - 12 |
| | MBH | 12 - 41 |
| | Tons | 1 - 3.5 |
| Air Flow | CFM | 1,200 - 1,900 |

| Model: CC(-) | Air Cooled | | | | Water Cooled | | | |
|---|-------------------|------------|------------|-------------|-------------------|------------|-------------|-------------|
| | 041 | 061 | 081 | 121 | 041 | 061 | 081 | 121 |
| NET DX COOLING CAPACITY (Includes Motor Heat @ Rated cfm & esp) | | | | | | | | |
| 80 °F DB/62.9 °F WB, 38% RH, 52.3 °F DP | | | | | | | | |
| 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) |
| Evaporator Blower / Motor - Backward Curved EC | | | | | | | | |
| 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 ₂ 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 |
| Compressor - R-410A | | | | | | | | |
| 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 |
| Physical Weight & Dimensions | | | | | | | | |
| 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 | | | |

| Model: CC(-) | Glycol Cooled | | | | Chilled Water | |
|---|-------------------|------------|------------|-------------|---|--|
| | 041 | 061 | 081 | 121 | 110 | |
| NET DX COOLING CAPACITY (Includes Motor Heat @ Rated cfm & esp) | | | | | NET DX COOLING CAPACITY - @ 50 °F EWT, 0% Glycol Solution (Includes motor heat @ rated cfm & esp) | |
| 80 °F DB/62.9 °F WB, 38% RH, 52.3 °F DP | | | | | 80 °F DB/62.9 °F WB, 38% RH, 52 °F DP - High Flow (10 °F ΔTw) | |
| 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) | |
| Evaporator Blower / Motor - Backward Curved EC | | | | | Chilled Water Coil / Motor - Backward Curved EC | |
| Nominal Motor Power, hp | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | |
| Rated Air Flow, cfm @ .2 inH ₂ O esp | 1,180 | 1,180 | 1,180 | 1,890 | 1,890 | |
| Quantity of Blowers | 1 | 1 | 1 | 1 | 1 | |
| Compressor - R-410A | | | | | N/A | |
| 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 | |
| Physical Weight & Dimensions | | | | | | |
| 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

1 or 3 Phase Power Supply

208/1/60

208/3/60

460/3/60

Additional Options

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

STULZ AIR TECHNOLOGY SYSTEMS (STULZ USA), INC.

1572 Tilco Drive | Frederick, MD 21704

Tel.: 301.620.2033 | Fax: 301.662.5487 | info@stulz-ats.com

www.stulz-usa.com

Technical documentation subject to change without notice | QC-MIN0007 Rev D