



STULZ the natural choice

# MiniSpace

Reliable precision air conditioning for small and medium-sized critical applications



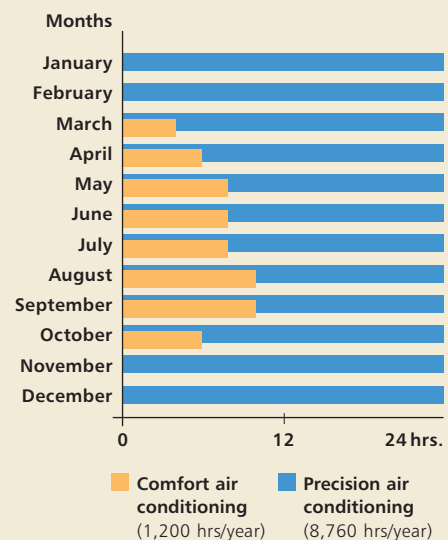
# Reliably protecting equipment and data with precision air conditioning



Valuable data and communications availability is at risk from fluctuating temperature and humidity levels. Precision Air Conditioning Units from STULZ maintain a safe environment for business-critical systems.

## MiniSpace air conditioning units

Unlike standard comfort air conditioning, which is designed for seasonal use, the MiniSpace ensures continuous, dependable operation, maintaining precise conditions, within close tolerances around the clock, 365 days a year.



### High operational reliability with continuous 24 hr load

Unlike comfort air conditioning, precision air conditioning is designed for high operational reliability – around the clock, 365 days a year

# Precision at a glance

## The advantages at a glance

- Maximum cooling performance with minimum floor space
- Air-cooled, water/glycol-cooled or chilled water versions available
- Equipment in downflow and upflow configurations
- Simple installation and maintenance through front access panels
- Computer grade filtration to EU 4 standard
- High sensible heat ratio ensures energy efficient operation
- C1002 microprocessor for precise control and monitoring of unit status
  - Adjustment of setpoints, control parameters and limit values
  - In the event of a power failure all parameters are safely stored
  - Status and alarm display
  - Can be connected to BMS and STULZ monitoring systems

## Options:

- Eco-Cool
- C7000 Advanced user interface with LCD graphic display, RS485 interface and other preinstalled data protocols for linking to BMS
- Communication via SNMP/HTTP IP protocols
- Humidifiers/heaters
- Air-cooled condensers
- Winter Start Kit
- Smoke and fire detectors
- Control of up to 20 A/C modules per data bus system



Precision air conditioning unit: air output 300 m<sup>3</sup>/h per kW



C7000 Advanced user interface

Unit type		CCD/U 41 A/G	CCD/U 61 A/G	CCD/U 81 A/G	CCD/U 121 A/G	CCD/U 171 A/G	CCD/U 201 A/G	CCD/U 110 CW	CCD/U 200 CW
<b>Technical data:</b>									
Cooling capacity (total) <sup>1)</sup>	kW	4.9	6.8	8.9	12.4	17.8	22.6	11.7	28.1
Cooling capacity (sensible) <sup>1)</sup>	kW	4.6	6.2	8.0	11.0	17.0	20.9	11.2	24.0
Airflow	m <sup>3</sup> /h	2,000	2,000	2,000	3,200	6,000	7,000	3,200	7,000
Compressor absorbed power	kW	1.5	1.9	2.6	3.2	4.6	5.8	-	-
<b>Downflow</b>									
Max. available ESP	Pa	200	200	200	200	600	520	200	520
Noise level <sup>2)</sup>	dB(A)	47.4	47.4	47.4	48.4	54.1	56.4	48.4	56.4
Fan absorbed power	kW	0.4	0.4	0.4	0.55	2.2	2.2	0.55	2.2
<b>Upflow</b>									
Max. available ESP	Pa	200	200	200	200	630	550	200	550
Noise level <sup>2)</sup>	dB(A)	47.4	47.4	47.4	48.4	54.1	56.4	48.4	56.4
Fan absorbed power	kW	0.4	0.4	0.4	0.55	2.2	2.2	0.55	2.2
Max. available reheat stages		1	1	1	1	2	2	1	2
Electric reheat capacity 1/2	kW	2	2	2	4	6/6	6/6	4	6/6
Humidification output (max.)	kg/h	3	3	3	3	3	3	3	3
Dimensions (HxWxD)	mm	1,850 x 600 x 600	1,850 x 600 x 600	1,850 x 600 x 600	1,850 x 600 x 600	1,850 x 1,000 x 810	1,850 x 1,000 x 810	1,850 x 600 x 600	1,850 x 1,000 x 810
Weight (approx.)	kg	185	190	195	205	225	235	170	215
Air-cooled condenser KSV <sup>3)</sup>		KSV006A11	KSV008A11	KSV008A11	KSV012A11	KSV021A21	KSV029A21	-	-
Dimensions (HxWxD)	mm	910 x 670 x 910	910 x 910 x 670	910 x 910 x 670	910 x 970 x 770	870 x 1,880 x 770	870 x 1,880 x 770	-	-
Weight	kg	26	32	32	40	72	81	-	-

Comment: All data valid for 400 V/3 ph/50 Hz with 50 Pa ESP (external static pressure) for 41-121 and 70 Pa ESP for 171, 200, 201

<sup>1)</sup> Cooling capacity in return air conditions: 24 °C, 50 % r.H.; condensing temperature: 48 °C

<sup>2)</sup> Sound level at 2 m distance, free-field

<sup>3)</sup> Option available for A units. Listed condenser type based on 32 °C max. ambient temperature

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