



STULZ the natural choice

# MiniSpace

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



# Use Precision Air Conditioning to Protect Sensitive Electronic Equipment

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

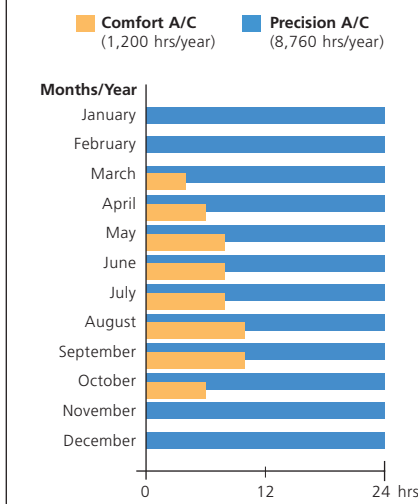
Unlike standard comfort air conditioning which is designed for seasonal use, the MiniSpace ensures continuous, dependable operation, maintaining precise conditions, within close tolerances around the clock, 365 days a year.

## 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

## High operational reliability with continuous 24 hr load

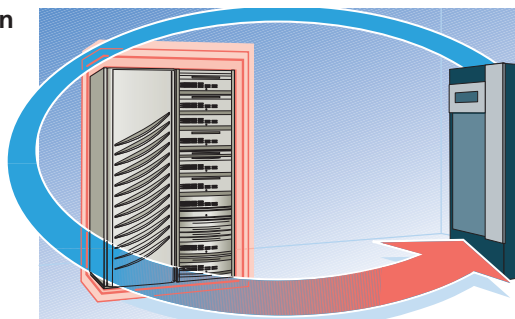
In comparison to comfort air conditioning, precision air conditioning is designed for high operational reliability – around the clock, 365 days a year



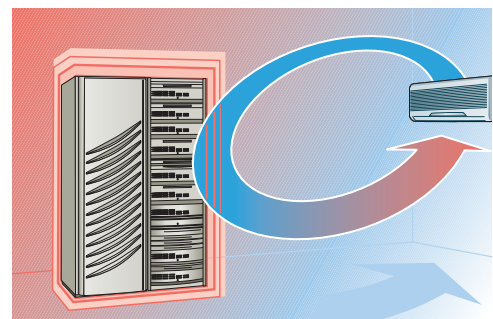
Option: Air-cooled external condenser

Modell		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>	dBA	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>	dBA	47.4	47.4	47.4	48.4	54.1	56.4	48.4	56.4
Fan 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	1,850x600x600	1,850x600x600	1,850x600x600	1,850x600x600	1,850x1,000x810	1,850x1,000x810	1,850x600x600	1,850x1,000x810
Weight (approx.)	approx. kg	185	190	195	205	225	235	170	215
Air-cooled condenser KSV <sup>3)</sup>		006X151C	008X151C	012X151B	016X151A	021X151A	036X251A	-	-
Dimensions (HxWxD)	mm	910x910x670	910x910x670	910x910x670	910x970x770	910x910x770	870x1,880x770	-	-
Weight	kg	25	28	32	40	45	72	-	-
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 at return air: 24 °C, 50 % r.H.; condensing temperature: 48 °C									
<sup>2)</sup> Sound pressure 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									

## Optimum air distribution and filtration



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



Comfort air conditioning unit:  
air output 100 m<sup>3</sup>/h per kW

## Options for special applications

- » Winter Start Kit
- » Electric, LPHW or hot gas reheat
- » Air-cooled condensers in various sound-level classes
- » Monitoring and control interfaces to BMS systems
- » Fresh air connection
- » Discharge air plenum with grilles
- » Adjustable height floorstand
- » Smoke and fire detectors



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