

STULZ

CLIMATE. CUSTOMIZED.



CyberLab

**Precision air conditioning unit for a constant climate
in archives, warehouses, museums and laboratories**

The complete range of air conditioning technology – from one source.

For over 50 years, the STULZ family-run company has been synonymous with precision air conditioning at the highest level.

Our solutions for the air conditioning of business-critical applications and sensitive systems have made us a leading company in our industry.

Whether for data centers, industry or communication technology, the STULZ portfolio has a tailor-made cooling solution to suit your requirements.

We guarantee adherence to our uncompromisingly high requirements and quality standards both at our factory in Hamburg and all our production sites around the globe. Moreover, we work hard not only to satisfy our customers' individual wishes, but also to make sure our air conditioning solutions offer maximum energy efficiency and a minimal CO₂ footprint.

Our portfolio extends from traditional room cooling and High Density Cooling to chillers, air handling units and container modules, all the way to micro data centers, service, and our self-developed monitoring software. An all-embracing quality assurance system monitors all the details in development, production, implementation, and service.

Today, STULZ has a presence in more than 140 countries. STULZ GmbH has 23 subsidiaries and eleven production sites in Europe, India, China, and North and South America. We also have partner agreements with numerous sales and service partners on every continent. Our network of highly qualified specialists is a reliable guarantee of the highest standards.

The combined wealth of our experience, values, performance and service is what defines us and is especially valued by our customers. Air conditioning solutions – custom tailored and from one source:
ONE STULZ. ONE SOURCE.

ONE STULZ.

ONE SOURCE.



Intelligent solution for special applications

In laboratories, archives, museums and warehouses, the temperature and air humidity need to be kept constant to ensure that sensitive stored goods do not deteriorate.

With its new CyberLab unit, STULZ offers a solution that is both reliable and efficient, and was developed especially for these kinds of situations, with no or just a low heat load.

STULZ has been an expert in the cooling of mission-critical applications for over 40 years. Now, we also have a standardized solution for you, which is quick and easy to install.



+ Benefits at a glance

- The market's first standardized unit for special applications of this kind
- Compact design for easier transport and installation
- Satisfies the hygiene requirements of VDI 6022
- Designed for continuous, no-downtime operation over many years
- High-quality, perfectly harmonized components
- Precise control system
- Use of EC technology for maximum efficiency
- Opportunity to get your unit tested in our Test Center
- Service available worldwide

Flexible and simple installation



The compact CyberLab units can be installed in the room quickly and easily.



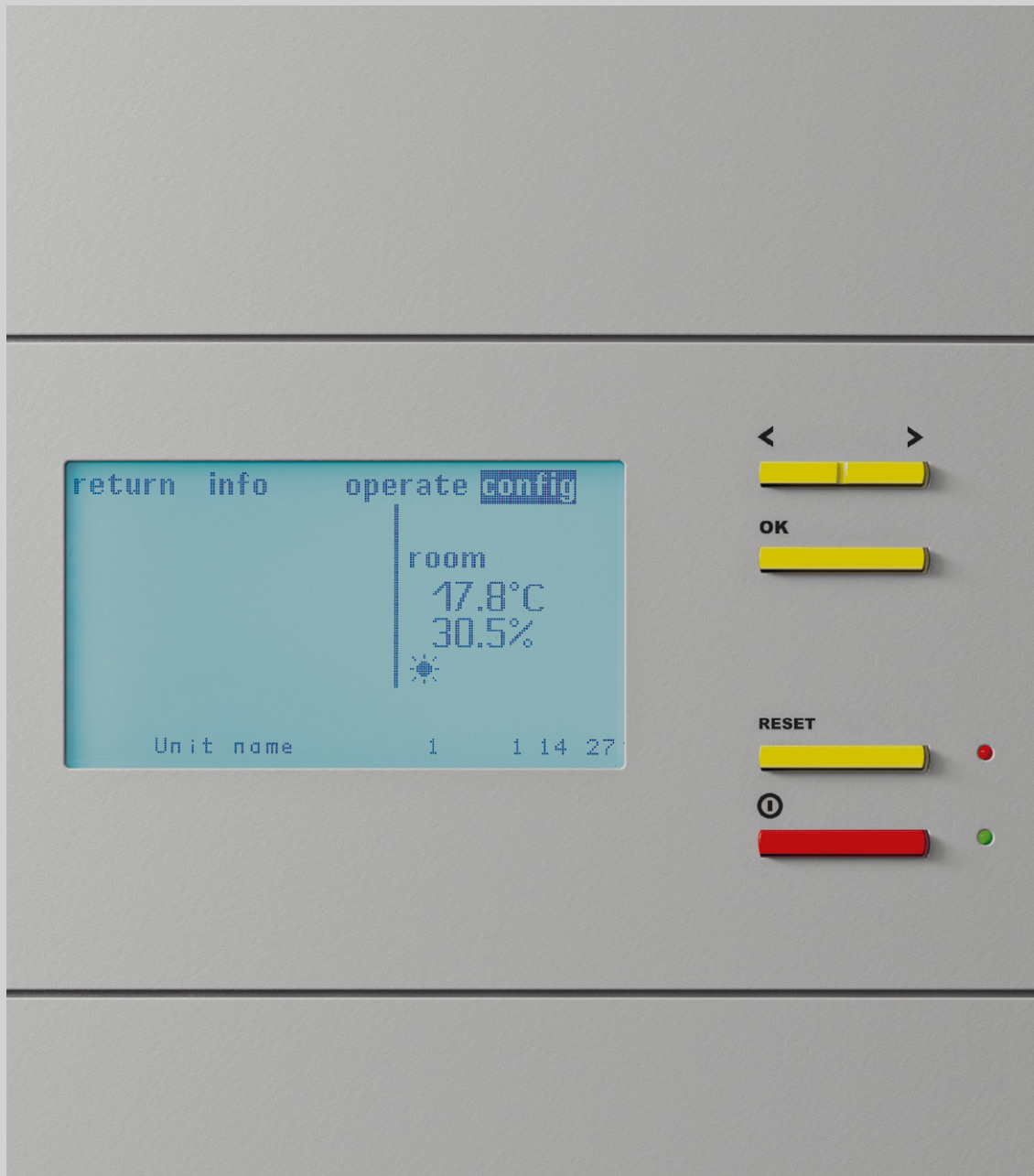
Hygiene requirements to VDI 6022

The CyberLab was designed to comply with the requirements of the VDI 6022 German hygiene regulations. In order to satisfy these requirements, among other things the units are fitted with four windows. This enables you to check the condition of the condensate tray and heat exchanger easily at any time, and so prevent the growth of bacteria.



Humidification

For humidification, our STULZ UltraSonic BNB is connected externally and controlled by the CyberLab controller. These STULZ units are perfectly coordinated to guarantee optimum operation.



Precise control for maximum reliability

To ensure the highest possible standards when it comes to reliability and efficiency, the air conditioning and the control system must work in perfect harmony. That is why here at STULZ we research and develop our controllers ourselves.

The CyberLab is equipped with our innovative C7000, which controls all components, including the external STULZ humidifier, with the utmost precision. This keeps the temperature and air humidity precisely constant, while cutting operating costs to a minimum.



EC compressor for maximum efficiency

- Infinite compressor control for precise temperature regulation
- Maximum efficiency especially in partial load mode
- Constant supply air temperature
- Integrated compressor soft start to protect the power line
- Long service life thanks to continuous operation without compressor on/off cycles

Technical data

CyberLab units are available in an air-cooled Upflow version.

Total cooling capacity ¹⁾ (kW)	20.1
Sensible cooling capacity ¹⁾ (kW)	20.1
Output control range (%)	0-100
Power consumption (kW)	5.9
Air flowrate (m ³ /h)	6000
Noise level ²⁾ (dBA)	57
External static pressure (Pa)	50
Max. external static pressure (Pa)	450
Refrigerant	R410a

Note:

All data apply at 400V/3 ph/50 Hz with 50 Pa ESP

Data for 60 Hz available on request.

¹ Return air conditions: 24° C/45 % r. h.

² Noise level at a height of 1 m and a distance of 2 m in front of the unit, in free-field conditions and with nominal data.
Technical data subject to change without notice.

STULZ UltraSonic BNB

Model	Humidifying output (kg/h)	Number of oscillators	Power consumption (VA)	Dimensions (WxHxD in mm)
BNB 5000A	5.0	10	430	694×255×200
BNB 8000A	8.0	16	670	1024×255×200

CLOSE TO YOU AROUND THE WORLD



STULZ Company Headquarters

STULZ GmbH

Holsteiner Chaussee 283
22457 Hamburg
Tel. +49 40 5585-0
products@stulz.de

For further information, please visit our
website at www.stulz.com or download our
STULZ Products and Services app.

AUSTRALIA
AUSTRIA
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WORLDWIDE**