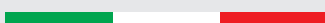


EN



part of nVent HOFFMAN

GENERAL CATALOGUE



MADE IN ITALY

nVent.com





texa industries

| | |
|---------------------------|----|
| Company | 6 |
| Vision | 8 |
| Technology and Innovation | 10 |
| After-sales | 12 |
| Green Commitment | 14 |

Air conditioning Range



NXT

Door- or wall-mount air conditioners

20

FLY

Door- or wall-mount air conditioners

36

EGOS3 - 60 - 80 - A0 - A5

Door- or wall-mount air conditioners

44

DEK

Roof-mount air conditioners

52

NOX

Wall-mount air conditioners for outdoor applications

62

EMO60 - 80 - A0

Wall-mount air conditioners for outdoor applications

74

BLU - BIT

Air-water heat exchangers

80

MIX

Air-air heat exchangers

92

FAN

Ventilation units with filter

98

DLK

Ventilating towers

108

WID

Anti-condensation heaters

112

Refrigeration Range



TCW minichiller - TAL

Industrial water chillers 130

TCO minichiller - TAO

Industrial oil chillers 148

TCI

Immersion coil chillers 164

TAU

Industrial chillers for contaminated or dirty fluids 170

SAW

Water-air heat exchangers 176

AIR CONDITIONING ACCESSORIES 120

REFRIGERATION ACCESSORIES (TEXA FLUID) 182



An Italian company focusing on good customer service

**On the leading-edge of industrial air conditioning
and cooling**



Dynamic and rich in experience, texa industries gives quality and reliability, with products **made in Italy**, a blueprint that has led it to become a worthy player in the market and a solutions partner of choice.

Texa industries has cemented its reputation as a solid company across Italy.

Choosing texa industries means putting yourself in the hands of a dependable partner that has far-reaching awareness of the role it plays in the market and embraces the future and the challenges it will bring with trust.

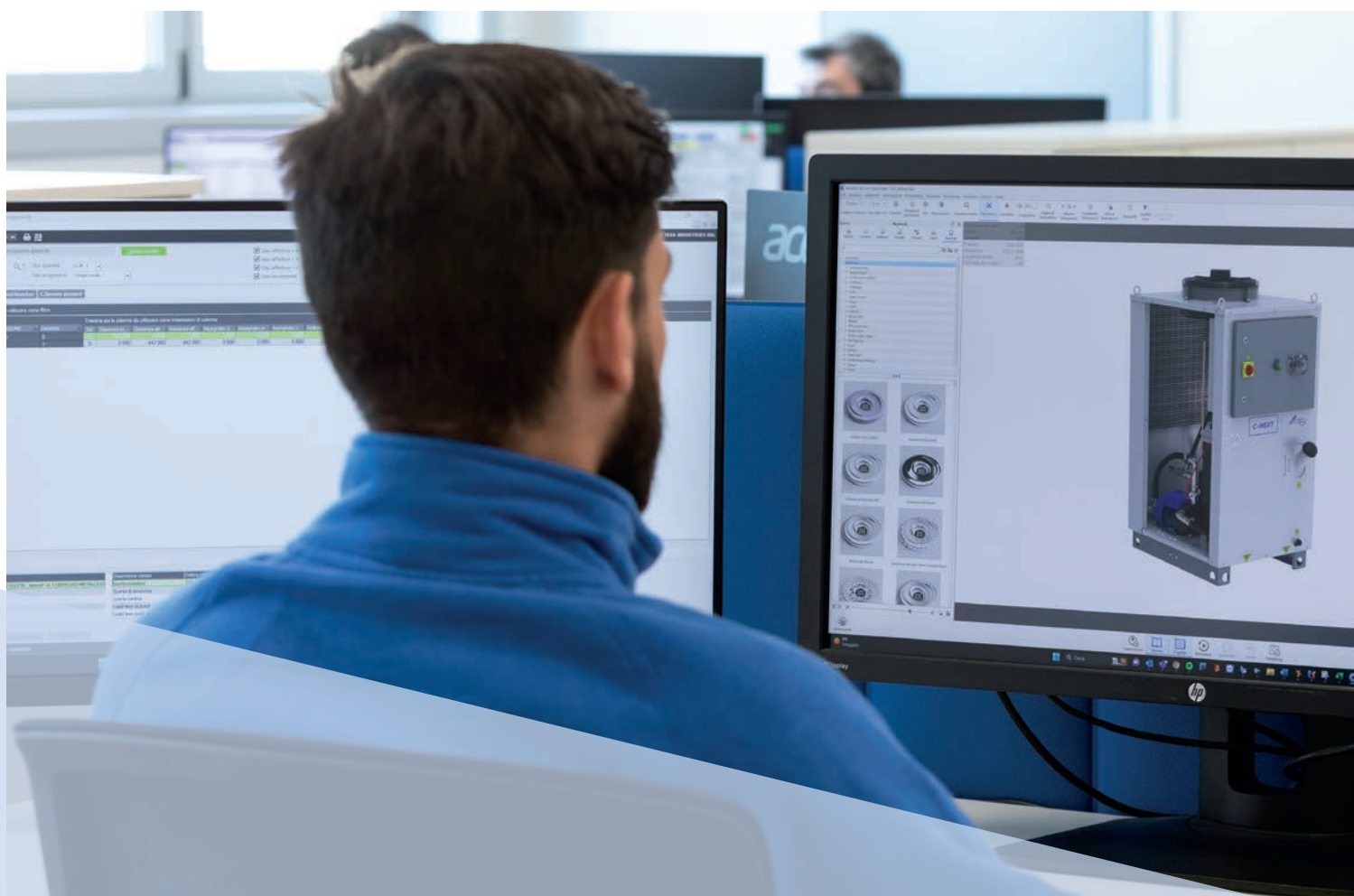
Into the future from a solid foundation

Texa industries wants to give continuity to the work carried out to date by making a considerable investment in cutting-edge technology and new production space

The new facility has enabled the implementation of **three modern test chambers** and an **innovatively designed automatic line** in the air conditioning department, which is equipped with a range of 4.0 systems at the cutting-edge of industrial cooling technology.

We are a company of highly specialised engineers and commercial technicians providing a complete and qualified service, working alongside customers at every stage.

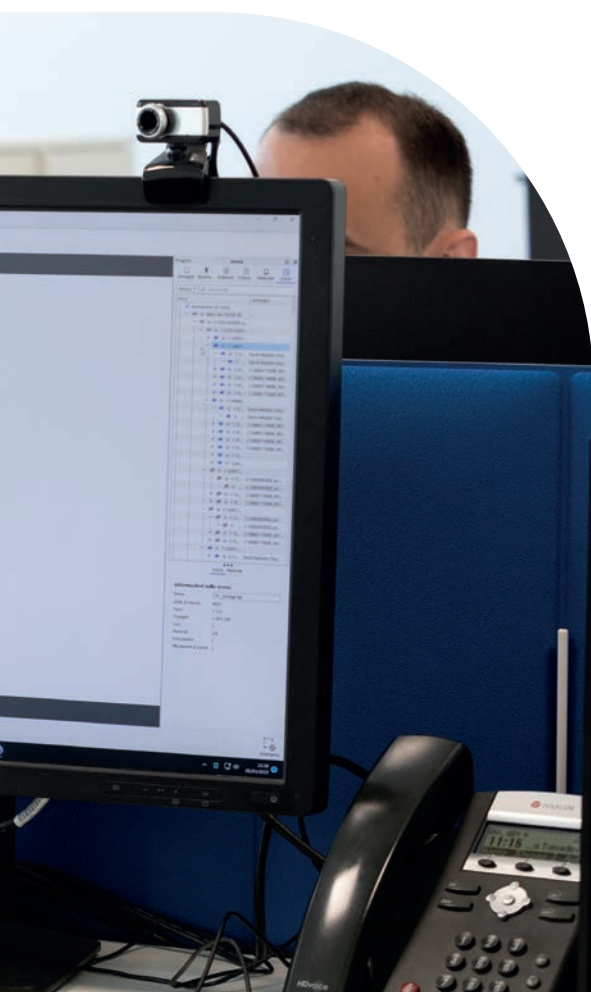
As a flexible company, we have the ability to adapt and to develop the most appropriate solution for any given situation. You can count on us to turn around problems and quickly meet your requirements, creating a **tailor-made product** just for you.





The company has two large departments, one for each product category (chillers and air conditioners)

The operations and investments that have gone into the company's Pegognaga facility and manufacturing lines over the last few years were designed so that we could always be ready with a comprehensive response to the needs of the industrial cooling and air conditioning market. We did this with only one aim in mind: to give customers a **competitive** and **technologically-advanced product** manufactured to the **highest quality standards**.



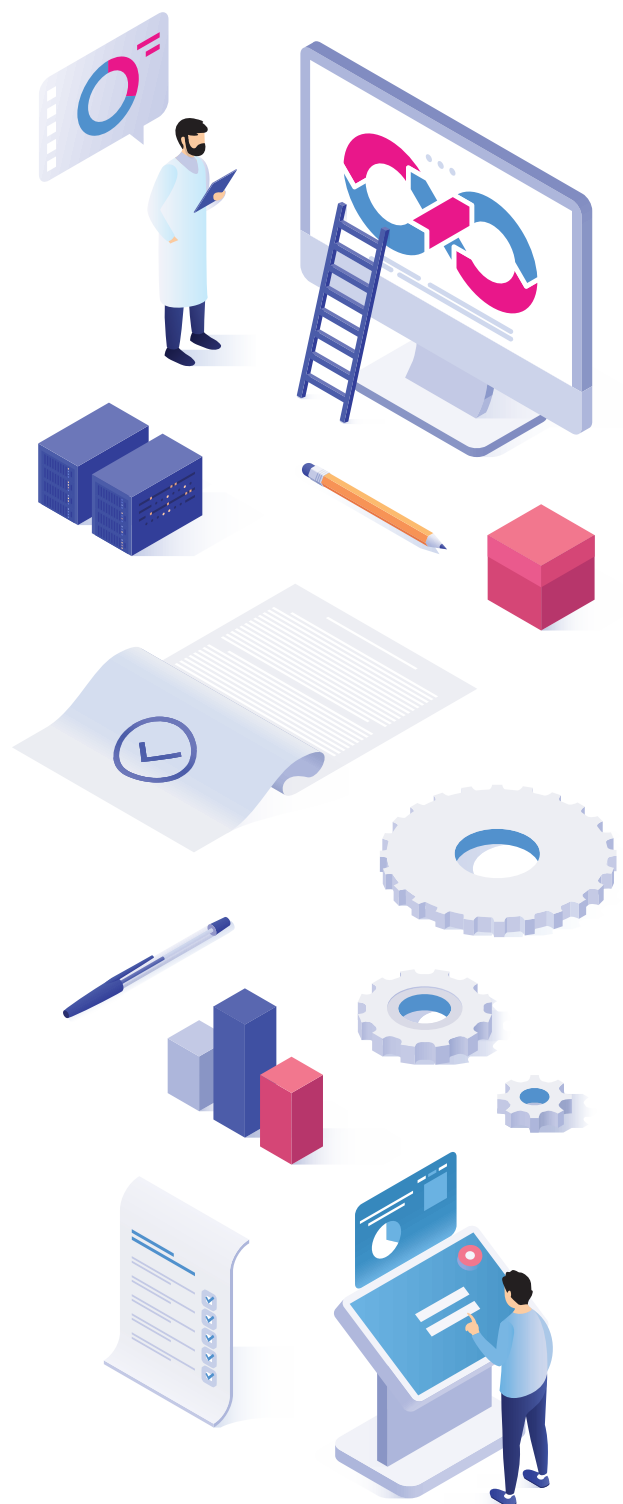
Technology and innovation ingrained in our heart

The work of our R&D department has always been geared towards finding and researching new technologies

At **texa industries** we use some of the most advanced design technologies in the industry. Company processes are aimed towards making technical information and processing diagrams easily accessible to operators in order to optimise and control the processes at every step.

Driven by continuous development and improvement, we completed three new test chambers and are now able to test products even under extreme conditions. This means delivering more comprehensive data to end customers, who will also have the possibility to connect to the machine in real time and have more elements at hand.

This drive to research into new technologies and production processes makes the company flexible, its production swifter, and its dedication to quality more focused, also via 100% end-of-the-line testing of products. Furthermore, at **texa industries** speed and on-time delivery are two essential values, with orders confirmed within 5 business days of receipt.



COMPANY CERTIFICATION ISO 9001 - TÜV



The company is certified according to the stringent standards of organisational efficiency and product quality, minimising waste, avoiding errors and increasing productivity.

CE PRODUCT CERTIFICATION



UL PRODUCT CERTIFICATION



Fast and efficient bespoke service

The team at texa industries is always striving to find the best solutions, focusing on timeliness and efficiency

In-depth knowledge of the market and its dynamics, together with high-level competence and cutting-edge technologies, enable **texa industries** to be recognised by customers as a **reliable partner** in industrial cooling systems.

One of the characteristics we are most known for is our short lead times. Speed is a household word at the company. We are fast to receive and confirm orders and quick to deliver in a market requiring faster and more reliable service than ever before.

Texa industries industrial air conditioners and chillers are designed to satisfy every requirement, but the team is ready to develop custom solutions for any unique situation.



A global partner

At texa industries we co-create with customers to come up with the solution that best satisfies their needs and requirements

What's more, the company boasts a direct presence in the international market through a dense global network of Agencies and Partners that ensures timely, fast and widespread coverage and keeps quality standards high at all times.



“ Our Customers can be sure to collaborate with a responsive and reliable partner that can cover all of their needs ”



30

COUNTRIES SERVED



100

EMPLOYEES



25,000

AIR CONDITIONERS
PER YEAR



8,000

REFRIGERATORS
PER YEAR

After-sales network

Thanks to this widespread network, speed, flexibility, and precision remain at the forefront of our support service. These crucial values mean that texa industries is constantly looking forward and going above and beyond.

At **texa industries**, Customer Service has become established and is an integral part of every stage in the life of the product from installation, and throughout its use.

Zero-emissions target

The commitment to greater sustainability has always been a feather in texa industries' cap

We know that what we do has a significant impact on the environment. That's why we have chosen to chart a greener course. Thanks to photovoltaic panels, **35% of the company's energy needs comes from a renewable energy source.** The new manufacturing plant will also leverage natural light, helping to reduce electric energy waste.



Increasingly sustainable products

At texa industries our commitment goes beyond our manufacturing plant; we are constantly working to have more and more low-impact products

The massive amount of policies introduced to reduce the environmental impact of **texa industries'** entire production chain has led to remarkable results in recent years. To name a couple of important examples, we are increasingly providing our user manuals in dematerialised form

and **have removed plastic from our packaging.** In addition, **texa industries** products use technologies that help to drastically reduce refrigerant use **without affecting performance**, resulting in significantly lower greenhouse gas emissions.



Air conditioning range



**A comprehensive range of industrial air
conditioners for indoor or outdoor application.**



At the heart of technology

There are numerous reasons to choose a texa Industries cooling system

By listening to our Customers and harnessing our long experience in the industrial sector, we have built a comprehensive offering of **high-quality cutting-edge products** in the area of industry 4.0 systems applied to climate control.

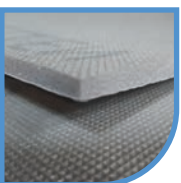
Our strong product engineering has allowed us to standardise and include many previously optional extras as standard equipment throughout the range.

The new E-NEXT range has achieved the top certifications in our industry, including the UL LISTED seal for the U.S. and Canada.



CONDENSATE DISCHARGE

Safety first! All air conditioners are equipped with an external condensate drain, ensuring the safety of the systems in any and all situations.



DIE-CUT SEALS

To achieve a perfect seal between the electrical panel and the air conditioner, **texa industries** provides an integrated seal that ensures simple installation and perfect adhesion between the surfaces.



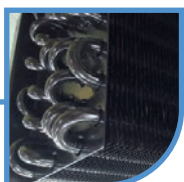
EXTERNAL OR SEMI-RECESSED INSTALLATION

The entire E-NEXT range can be ordered for external installation (standard) or for external and semi-recessed installation, giving you maximum flexibility.



LOWER MAINTENANCE COSTS

Using latest-generation microchannel technology air conditioners brings with it fast and effective maintenance over the years, not to mention 30% savings on refrigerant.



OUTDOOR APPLICATIONS

A range of specific air conditioning units for outdoor applications, the cataphoresis treatment of the condensing coil and the IP54-rated protection of all electrical components make this product reliable in all atmospheric conditions.



EASY TO INSTALL FILTER

The new magnetic filter support fastening system makes maintenance super simple and preserves the attractive design of the E-NEXT range.



THERMOSTAT WITH DIGITAL DISPLAY

The new TX-i40 thermostat provides complete and flexible management of the air conditioner, ensuring easy management and connectivity via MODBUS protocol.



PASSIVE CONDENSATE DISSIPATOR

Standard on all vertical air conditioning units from 1000W, this dissipation system saves energy as it draws no power, eliminating condensate without the need to channel it externally.

E-NEXT

Door- or wall-mount air conditioners



GAS

Air conditioners all come pre-charged with R134a refrigerant



INTEGRATED MODBUS

All air conditioners with TX-i40 can be provided with MODBUS RTU RS485 connection on request.



ADVANCED SEQUENCING

All units are equipped with connection to sequence the operation of two air conditioners. This option allows back-up operation and distribution of operating hours.



ADVANCED MICROPORT

Customers can easily program whether or not to lock the internal fan when the microport opens.



ECO MODE

Standard feature on the entire range to optimise electricity use under low working load conditions.



°C / °F

Change only one parameter to go from Celsius to Fahrenheit.



PREDICTIVE MAINTENANCE

An advanced system enables the air conditioner to self-learn and alert the user when maintenance is due.



SERVICE MODE

Runs a simple check procedure to ensure the air conditioner is working properly; useful during installation.



HUMIDITY CONTROL

This option (supplied on request) uses a humidistat to control the humidity inside the cabinet; ideal for applications in tropical areas.

EC EC FANS

Available on request, electronic fans increase air conditioner efficiency by further reducing energy consumption and related operating costs.



LOW-NOISE VERSION

Available on request, the version with reduced modulated speed fans enables low-noise operation in outdoor residential or commercial applications.

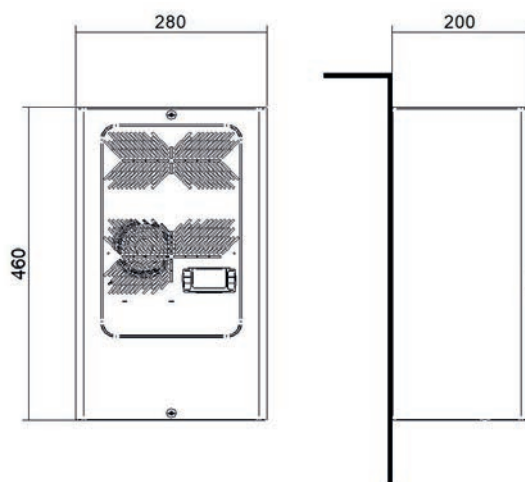


Door- or wall-mount air conditioners

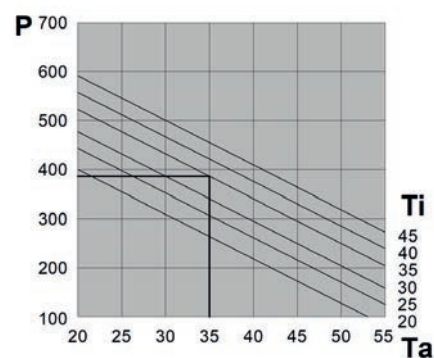
COOLING CAPACITY

380 W

DIMENSIONS



PERFORMANCE



| Features | UoM | NXT04B0T1C00000 | NXT04K0T1C00000 | NXT04B0T1U00000 | NXT04C0T1U00000 |
|-----------------------------------|-------------------|-------------------------------------------------|---------------------|-----------------|-----------------|
| Cooling capacity EN14511 - A35A35 | W | 380 | 380 | 380 | 380 |
| Cooling capacity EN14511 - A35A50 | W | 240 | 240 | 240 | 240 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 |
| Width - Height - Depth | mm | 280 - 460 - 200 | 280 - 460 - 200+55* | 280 - 460 - 200 | 280 - 460 - 200 |
| Max current | A | 1.5 | 0.9 | 1.5 | 3.4 |
| Inrush current | A | 8.6 | 5 | 8.6 | 22.6 |
| T Fuse | A | 4 | 2 | 4 | 6 |
| Power draw EN14511 - A35A35 | W | 240 | 240 | 240 | 240 |
| Power draw EN14511 - A35A50 | W | 277 | 277 | 277 | 277 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 165 | 165 | 165 | 165 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX050 factory set to 35°C | | | |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 12 | NEMA TYPE 12 |
| Noise level | dB (A) | 60 | 60 | 60 | 60 |
| Weight | kg | 17 | 20 | 17 | 17 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

* for autotransformer external dimensions
semi-recessed installation version page 35

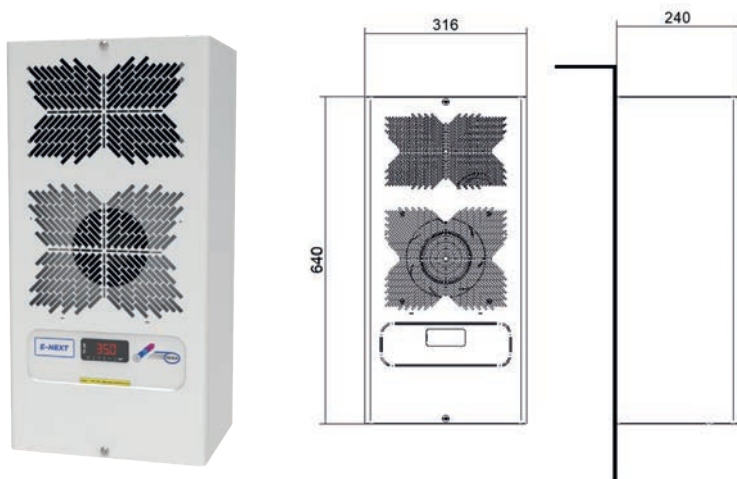
NXT06

Door- or wall-mount air conditioners

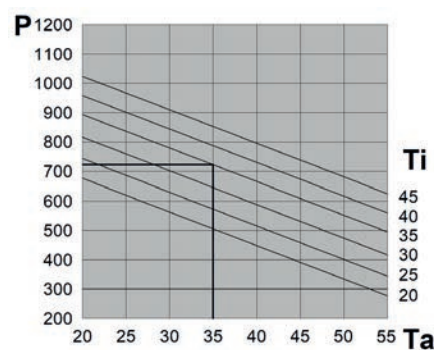
COOLING CAPACITY

720 W

DIMENSIONS



PERFORMANCE



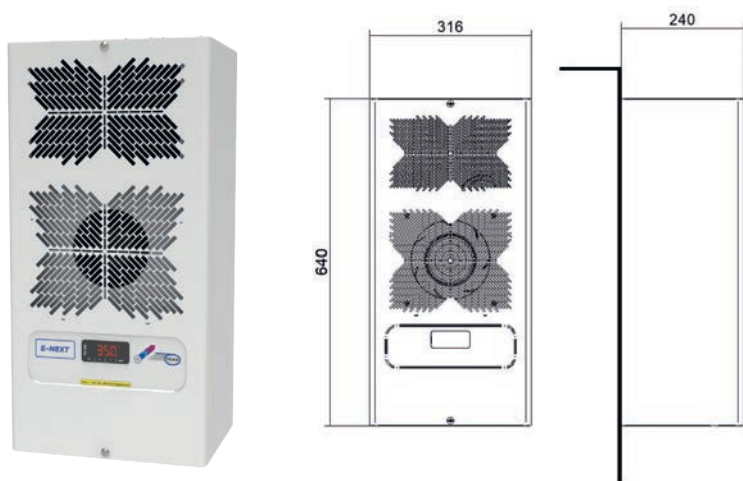
| Features | UoM | NXT06B0E1C00000 | NXT06K0E1C00000 | NXT06B0E1U00000 | NXT06C0E1U00000 | NXT06V0E1C00000 |
|-----------------------------------|-------------------|--------------------------------------------------|---------------------|-----------------|-----------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 720 | 720 | 720 | 720 | 720 |
| Cooling capacity EN14511 - A35A50 | W | 555 | 555 | 555 | 555 | 555 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 | 48VDC |
| Width - Height - Depth | mm | 316 - 640 - 240 | 316 - 640 - 240 | 316 - 640 - 240 | 316 - 640 - 240 | 316 - 640 - 240 |
| Max current | A | 2.3 | 1.3 | 2.3 | 4.3 | 5.8 |
| Inrush current | A | 10.9 | 6.3 | 10.9 | 22.2 | - |
| T Fuse | A | 6 | 4 | 6 | 8 | 10 |
| Power draw EN14511 - A35A35 | W | 380 | 380 | 380 | 420 | 280 |
| Power draw EN14511 - A35A50 | W | 450 | 450 | 450 | 500 | 350 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 305 | 305 | 305 | 305 | 305 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C | | | | Mech. thermostat |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 | 20-55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 12 | NEMA TYPE 12 | IP55 |
| Noise level | dB (A) | 65 | 65 | 65 | 65 | 65 |
| Weight | kg | 24 | 26 | 24 | 24 | 24 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

Version for semi-recessed installation page 35

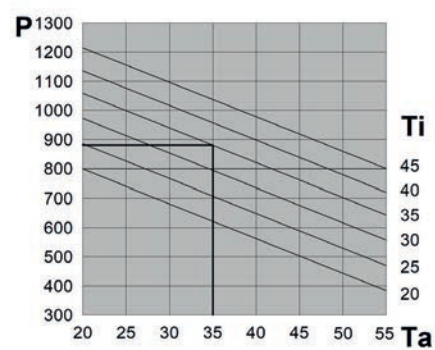
Door- or wall-mount air conditioners

COOLING CAPACITY 880 W

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | NXT08B0E1C00000 | NXT08K0E1C00000 | NXT08B0E1U00000 | NXT08C0E1U00000 | NXT08V0E1C00000 |
|-----------------------------------|-------------------|--------------------------------------------------|---------------------|-----------------|-----------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 880 | 880 | 880 | 880 | 880 |
| Cooling capacity EN14511 - A35A50 | W | 705 | 705 | 705 | 705 | 705 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 | 48VDC |
| Width - Height - Depth | mm | 316 - 640 - 240 | 316 - 640 - 240 | 316 - 640 - 240 | 316 - 640 - 240 | 316 - 640 - 240 |
| Max current | A | 2.4 | 1.4 | 2.4 | 4.2 | 6 |
| Inrush current | A | 12.9 | 7.4 | 12.9 | 22.2 | - |
| T Fuse | A | 6 | 4 | 6 | 8 | 10 |
| Power draw EN14511 - A35A35 | W | 450 | 450 | 450 | 430 | 350 |
| Power draw EN14511 - A35A50 | W | 520 | 520 | 520 | 540 | 420 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 325 | 325 | 325 | 325 | 325 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C | | | | Mech. thermostat |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 | 20-55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 12 | NEMA TYPE 12 | IP55 |
| Noise level | dB (A) | 65 | 65 | 65 | 65 | 65 |
| Weight | kg | 25 | 27 | 25 | 25 | 25 |
| Conformity | - | CE UK | CE UK | CE UK | CE UK | CE UK |

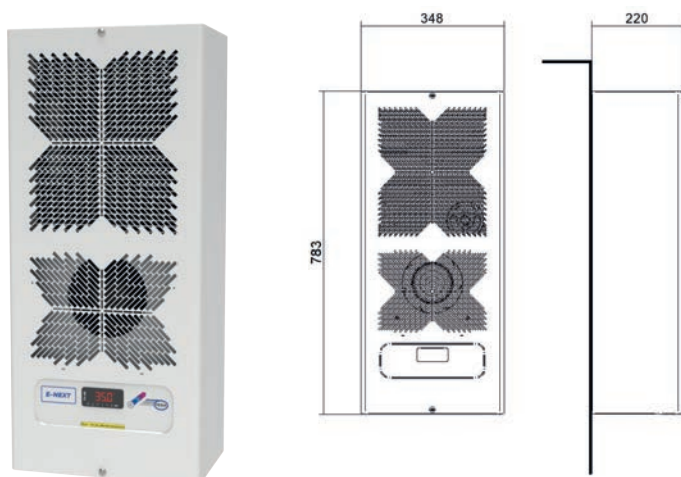
Version for semi-recessed installation page 35

NXT10

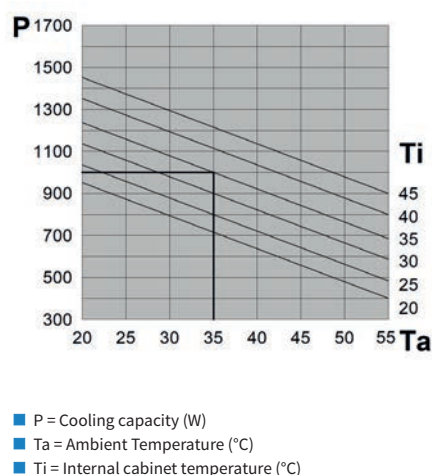
Door- or wall-mount air conditioners

COOLING CAPACITY 1000 W

DIMENSIONS



PERFORMANCE



| Features | UoM | NXT10B0E1C00000 | NXT10K0E1C00000 | NXT10B0E1U00000 | NXT10C0E1U00000 | NXT10K0E1U00000 |
|-----------------------------------|-------------------|--------------------------------------------------|---------------------|-----------------|-----------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 1000 | 1000 | 1000 | 1000 | 1000 |
| Cooling capacity EN14511 - A35A50 | W | 760 | 760 | 760 | 760 | 760 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 | 400/460 - 2 - 50/60 |
| Width - Height - Depth | mm | 348 - 783 - 220 | 348 - 783 - 220 | 348 - 783 - 220 | 348 - 783 - 220 | 348 - 783 - 220 |
| Max current | A | 3 | 1.7 | 3 | 5.7 | 1.7 |
| Inrush current | A | 13.1 | 7.5 | 13.1 | 28 | 7.5 |
| T Fuse | A | 6 | 4 | 6 | 10 | 4 |
| Power draw EN14511 - A35A35 | W | 500 | 500 | 500 | 570 | 500 |
| Power draw EN14511 - A35A50 | W | 600 | 600 | 600 | 670 | 600 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 540 | 540 | 540 | 540 | 540 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C | | | | |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 | 20-55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 12 | NEMA TYPE 12 | NEMA TYPE 12 |
| Noise level | dB (A) | 65 | 65 | 65 | 65 | 65 |
| Weight | kg | 27 | 29 | 27 | 27 | 29 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

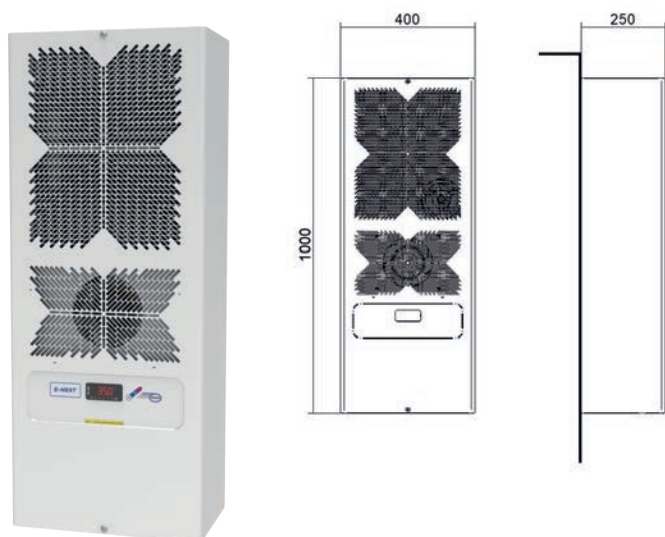
Version for semi-recessed installation page 35

Door- or wall-mount air conditioners

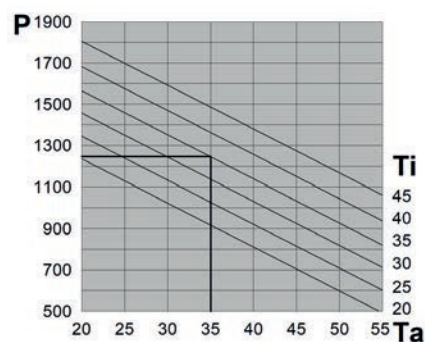
COOLING CAPACITY

1250 W

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | NXT12B0E1C00000 | NXT12K0E1C00000 | NXT12B0E1U00000 | NXT12C0E1U00000 |
|-----------------------------------|-------------------|--------------------------------------------------|---------------------|------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 1250 | 1250 | 1250 | 1250 |
| Cooling capacity EN14511 - A35A50 | W | 930 | 930 | 930 | 930 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 |
| Width - Height - Depth | mm | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 |
| Max current | A | 3.2 | 1.8 | 3.2 | 6.1 |
| Inrush current | A | 17.1 | 9.8 | 17.1 | 28 |
| T Fuse | A | 6 | 4 | 6 | 10 |
| Power draw EN14511 - A35A35 | W | 590 | 590 | 590 | 620 |
| Power draw EN14511 - A35A50 | W | 680 | 680 | 680 | 760 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 540 | 540 | 540 | 540 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C | | | |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 12 | NEMA TYPE 12 |
| Noise level | dB (A) | 65 | 65 | 65 | 65 |
| Weight | kg | 39 | 41 | 39 | 39 |
| Conformity | - | CE UK | CE UK | CE UK | CE UK |

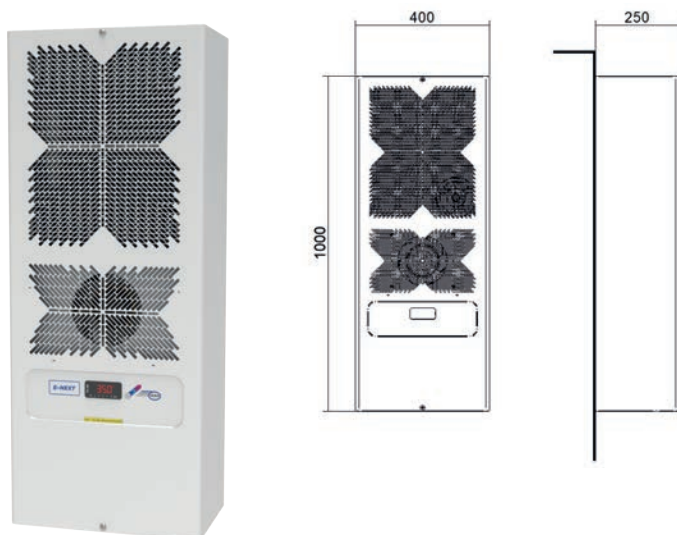
Version for semi-recessed installation page 35

NXT16

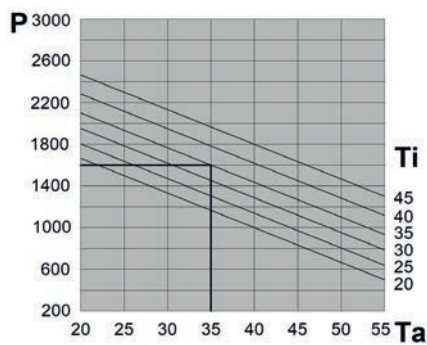
Door- or wall-mount air conditioners

COOLING CAPACITY **1600 W**

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | NXT16B0E1C00000 | NXT16K0E1C00000 | NXT16B0E1U00000 | NXT16C0E1U00000 | NXT16K0E1U00000 |
|-----------------------------------|--------|--------------------------------------------------|---------------------|------------------|------------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 1600 | 1600 | 1600 | 1600 | 1600 |
| Cooling capacity EN14511 - A35A50 | W | 1100 | 1100 | 1100 | 1100 | 1100 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 | 400/460 - 2 - 50/60 |
| Width - Height - Depth | mm | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 |
| Max current | A | 3.9 | 2.2 | 4.3 | 8.2 | 2.4 |
| Inrush current | A | 16.2 | 9.3 | 19.7 | 42 | 10.2 |
| T Fuse | A | 8 | 4 | 8 | 16 | 6 |
| Power draw EN14511 - A35A35 | W | 720 | 720 | 720 | 830 | 720 |
| Power draw EN14511 - A35A50 | W | 820 | 820 | 820 | 960 | 820 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m³/h | 540 | 540 | 540 | 540 | 540 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C | | | | |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 | 20-55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 12 | NEMA TYPE 12 | NEMA TYPE 12 |
| Noise level | dB (A) | 65 | 65 | 65 | 65 | 65 |
| Weight | kg | 41 | 43 | 41 | 41 | 43 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

Version for semi-recessed installation page 35

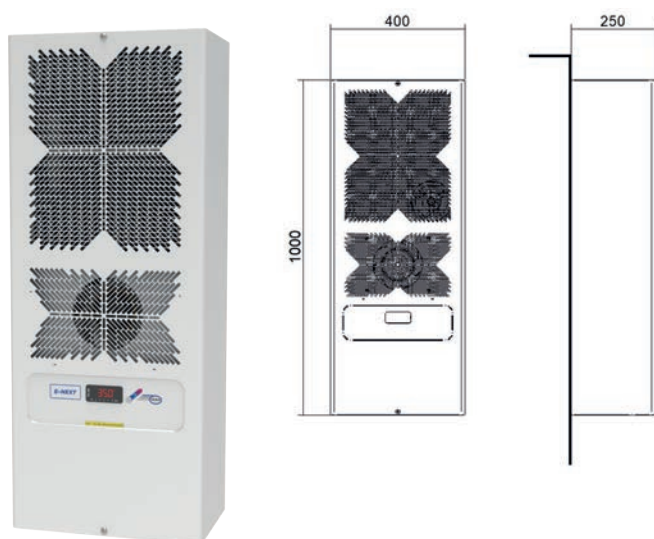
NXT20

Door- or wall-mount air conditioners

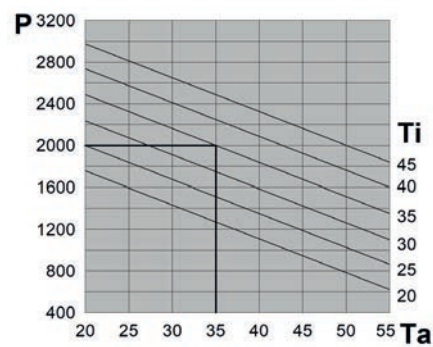
COOLING CAPACITY

2000 W

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | NXT20B0E1C00000 | NXT20H0E1C00000 | NXT20B0E1U00000 | NXT20C0E1U00000 | NXT20H0E1U00000 | NXT20V0E1C00000 |
|-----------------------------------|-------------------|--------------------------------------------------|----------------------|------------------|------------------|----------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| Cooling capacity EN14511 - A35A50 | W | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/3/50 460/3/60 | 230 - 1 - 50/60 | 115 - 1 - 60 | 400/3/50 460/3/60 | 48VDC |
| Width - Height - Depth | mm | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 |
| Max current | A | 4.8 | 1.6 | 4.8 | 11.3 | 1.6 | 21 |
| Inrush current | A | 21.8 | 12 | 21.8 | 56.8 | 12 | - |
| T Fuse | A | 10 | 4 | 10 | 16 | 4 | 26 |
| Power draw EN14511 - A35A35 | W | 990 | 870 | 990 | 1170 | 870 | 890 |
| Power draw EN14511 -A35A50 | W | 1130 | 1050 | 1130 | 1360 | 1050 | 1030 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 540 | 540 | 540 | 540 | 540 | 540 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C | | | | | Mech. thermostat |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 | 20-55 | 20-55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 12 | NEMA TYPE 12 | NEMA TYPE 12 | IP55 |
| Noise level | dB (A) | 65 | 65 | 65 | 65 | 65 | 65 |
| Weight | kg | 42 | 44 | 42 | 42 | 44 | 42 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

Version for semi-recessed installation page 35

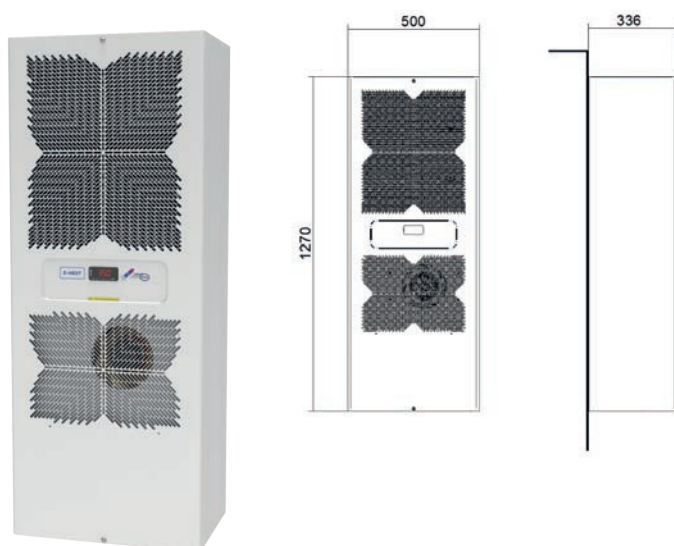
NXT30

Door- or wall-mount air conditioners

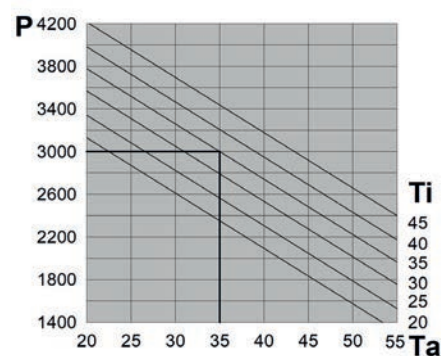
COOLING CAPACITY

3000 W

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

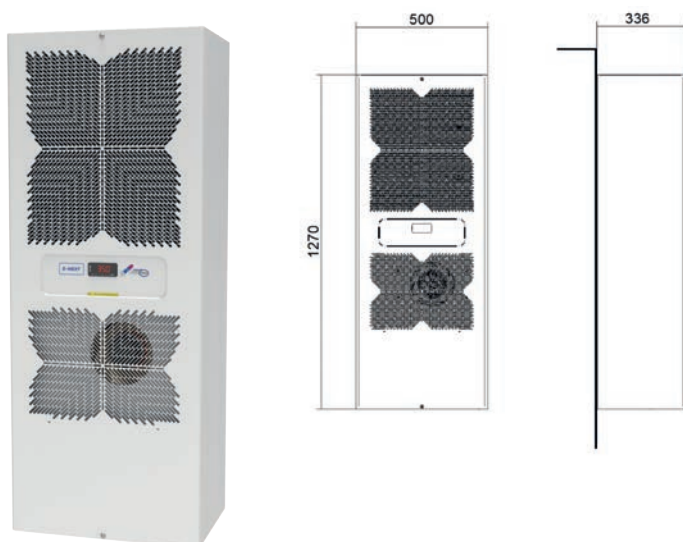
| Features | UoM | NXT30B0E1C00000 | NXT30H0E1C00000 | NXT30B0E1U00000 | NXT30H0E1U00000 |
|-----------------------------------|-------------------|--------------------------------------------------|---------------------|------------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 3000 | 3000 | 3000 | 3000 |
| Cooling capacity EN14511 - A35A50 | W | 2210 | 2210 | 2210 | 2210 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/3/50 - 460/3/60 | 230 - 1 - 50/60 | 400/3/50 - 460/3/60 |
| Width - Height - Depth | mm | 500 - 1270 - 336 | 500 - 1270 - 336 | 500 - 1270 - 336 | 500 - 1270 - 336 |
| Max current | A | 5.2 | 2.4 | 5.2 | 2.4 |
| Inrush current | A | 35 | 20 | 35 | 20 |
| T Fuse | A | 10 | 6 | 10 | 6 |
| Power draw EN14511 - A35A35 | W | 1190 | 1140 | 1190 | 1140 |
| Power draw EN14511 - A35A50 | W | 1380 | 1350 | 1380 | 1350 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 1500 | 1500 | 1500 | 1500 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C | | | |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 12 | NEMA TYPE 12 |
| Noise level | dB (A) | 70 | 70 | 70 | 70 |
| Weight | kg | 66 | 70 | 66 | 70 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

Door- or wall-mount air conditioners

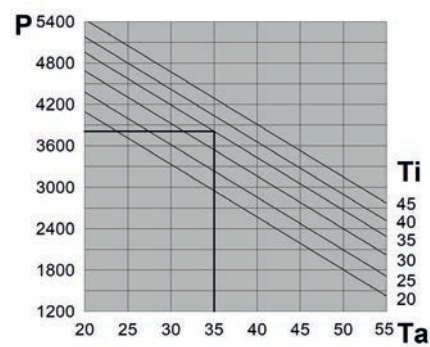
COOLING CAPACITY

3850 W

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | NXT40B0E1C00000 | NXT40H0E1C00000 | NXT40B0E1U00000 | NXT40H0E1U00000 |
|-----------------------------------|-------------------|--------------------------------------------------|---------------------|------------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 3850 | 3850 | 3850 | 3850 |
| Cooling capacity EN14511 - A35A50 | W | 2650 | 2650 | 2650 | 2650 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/3/50 - 460/3/60 | 230 - 1 - 50/60 | 400/3/50 - 460/3/60 |
| Width - Height - Depth | mm | 500 - 1270 - 336 | 500 - 1270 - 336 | 500 - 1270 - 336 | 500 - 1270 - 336 |
| Max current | A | 7.8 | 3.1 | 7.8 | 3.6 |
| Inrush current | A | 37 | 16 | 37 | 18 |
| T Fuse | A | 16 | 6 | 16 | 8 |
| Power draw EN14511 - A35A35 | W | 1670 | 1580 | 1670 | 1780 |
| Power draw EN14511 - A35A50 | W | 1980 | 1920 | 1980 | 2050 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 1500 | 1500 | 1500 | 1500 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C | | | |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 12 | NEMA TYPE 12 |
| Noise level | dB (A) | 70 | 70 | 70 | 70 |
| Weight | kg | 70 | 74 | 70 | 74 |
| Conformity | - | CE UK CA | CE UK CA | UL CE UK CA | UL CE UK CA |

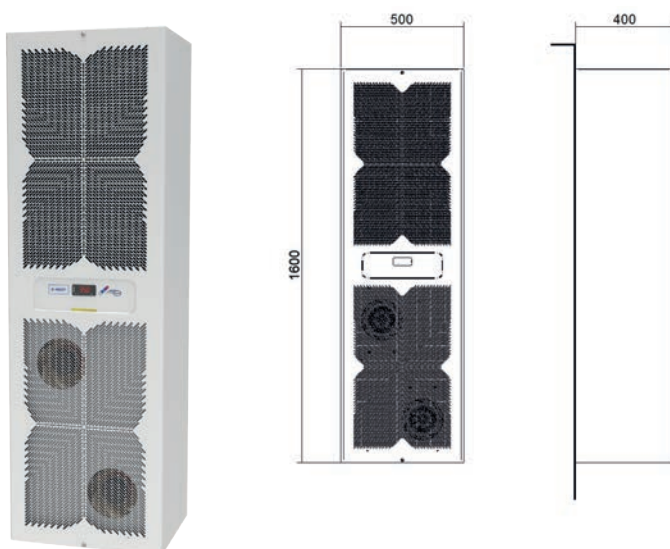
NXT60

Door- or wall-mount air conditioners

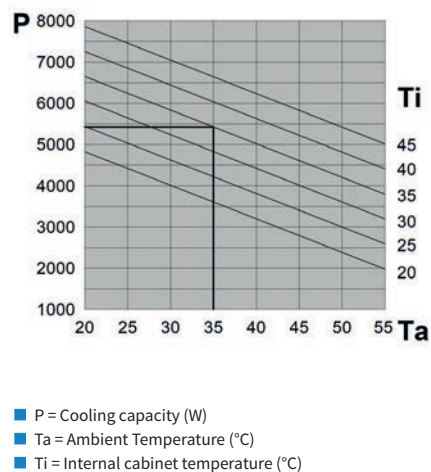
COOLING CAPACITY

5400 W

DIMENSIONS

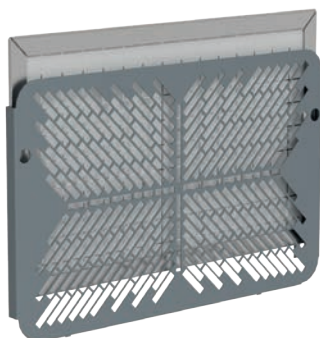


PERFORMANCE



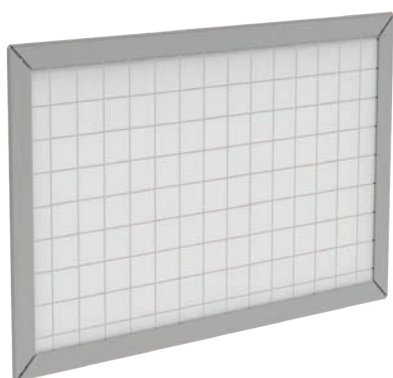
| Features | UoM | NXT60H0E1C00000 | NXT60H0E1U00000 |
|-----------------------------------|-------------------|--------------------------------------------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 5400 | 5400 |
| Cooling capacity EN14511 - A35A50 | W | 4200 | 4200 |
| Power supply | V ~ Hz | 400/3/50 - 460/3/60 | 400/3/50 - 460/3/60 |
| Width - Height - Depth | mm | 500 - 1600 - 400 | 500 - 1600 - 400 |
| Max current | A | 3.7 | 3.7 |
| Inrush current | A | 32 | 32 |
| T Fuse | A | 8 | 8 |
| Power draw EN14511 - A35A35 | W | 1950 | 1950 |
| Power draw EN14511 - A35A50 | W | 2470 | 2470 |
| Electrical connection | - | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 1500 | 1500 |
| Internal temperature range | °C | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C | |
| External temperature range | °C | 20-55 | 20-55 |
| Ingress protection - cabinet side | - | IP55 | NEMA TYPE 12 |
| Noise level | dB (A) | 72 | 72 |
| Weight | kg | 104 | 104 |
| Conformity | - | CE UK CA | CE UK CA |

ACCESSORIES



| Models | Item code |
|-------------|-----------|
| NXT04 | C15W00139 |
| NXT06/08 | C15W00140 |
| NXT10 | C15W00141 |
| NXT12/16/20 | C15W00142 |
| NXT30/40 | C15W00143 |
| NXT60 | C15W00144 |

As a separately sold accessory, the E-next range includes **magnetic filter support** in RAL 7011 and related filter. This accessory comes in handy in demanding applications where frequent servicing is required. The NEN polypropylene filter on aluminium frame allows for fast cleaning and the washable filter can be used repeatedly.



| Models | Item code |
|-------------|-----------|
| NXT04 | C15007976 |
| NXT06/08 | C15007968 |
| NXT10 | C15007972 |
| NXT12/16/20 | C15007973 |
| NXT30/40 | C15007974 |
| NXT60 | C15007975 |

* NXT04 polyurethane air filter

NEN-type replacement filter with aluminium frame for E-NEXT range of air conditioners; filter-holding frame not included.



| Models | Item code |
|------------|-----------|
| All models | C12007176 |

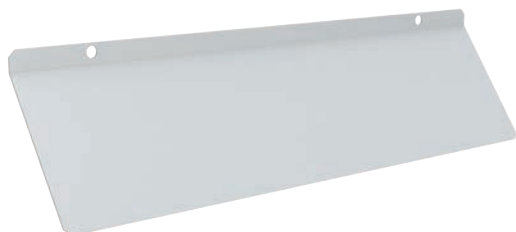
The condensate **collection bottle** developed by **texa industries** makes it possible to collect the excess condensate from the air conditioner. This accessory is required where no drain is available in the vicinity and you prefer not having water sitting at the base of the panel. The bottle is made of plastic and is supplied with anodised aluminium mount.



| Models | Item code |
|-------------------------|-----------|
| All models except NXT04 | C16W00024 |

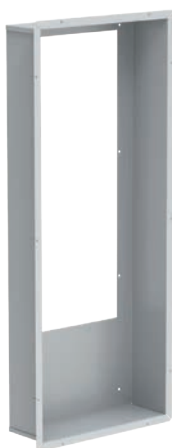
The 5-metre-long **sequence cable** lets you interface two E-NEXT air conditioners installed in the same cabinet; the two units will communicate with each other thanks to the TX-i40 controller, allowing perfect thermal management of the electric cabinet.

ACCESSORIES



| Models | Item code |
|-------------|-----------|
| NXT04 | C12X00454 |
| NXT06/08 | C12X00455 |
| NXT10 | C12X00456 |
| NXT12/16/20 | C12X00457 |
| NXT30/40/60 | C12X00458 |

Diverters installed at the air outlet in the cabinet are an effective way to avoid cold air short circuits in the cabinet. These are required when installed components in the electrical cabinet prevent good air circulation.



| Models | Item code | Recessed |
|----------|-----------|----------|
| NXT30/40 | C12X00439 | 170mm |
| NXT60 | C12X00440 | 150mm |

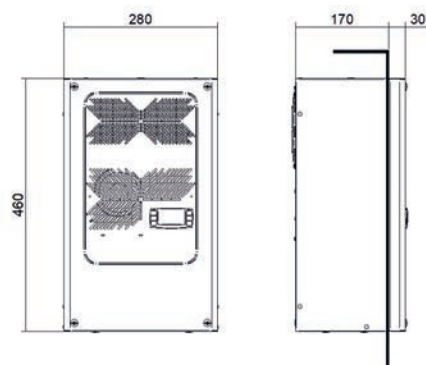
Semi-recessed frames available for NXT30/40/60 are ideal to reduce the external footprint of the air conditioner by partially recessing it into the cabinet. They are also useful for door installation, to avoid putting excessive strain on cabinet hinges.

OPTIONS

E-NEXT range, version for semi-recessed installation

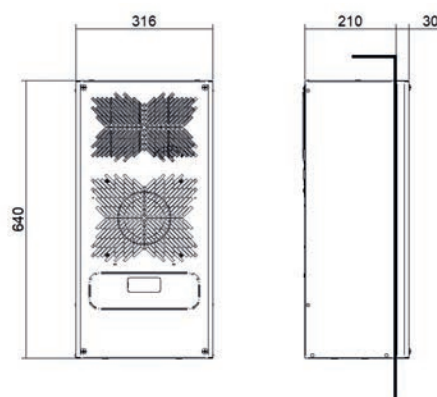
NXT04

DIMENSIONS



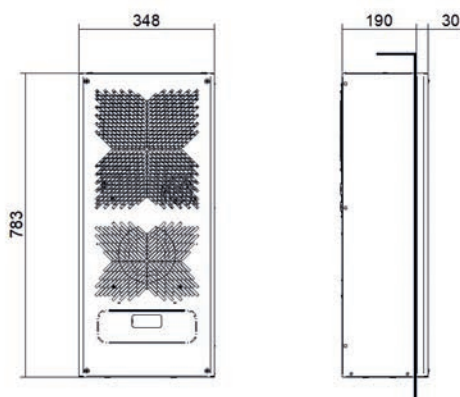
NXT06-08

DIMENSIONS



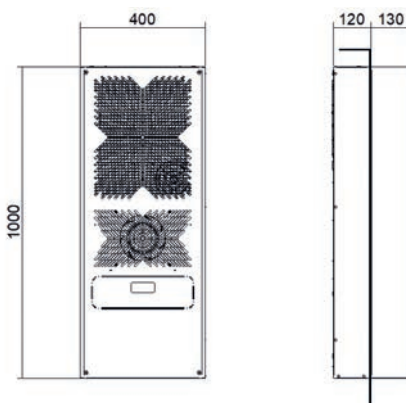
NXT10

DIMENSIONS



NXT12-16-20

DIMENSIONS



FLY

Door- or wall-mount air conditioners

A revolutionary installation system combined with an attractive design with significantly reduced depth make FLY air conditioners perfect for any automation panels.

REFRIGERANT GAS

Air conditioners all come pre-charged with R134a refrigerant.

WIDE RANGE OF POWER OUTPUTS

The available power outputs range from 1100 to 3200 W, covering most electrical cabinet cooling requirements in an extremely compact size.

FLEXIBILITY OF INSTALLATION

The units can be installed outside the cabinet (external) or integrated (recessed or semi recessed), without the need for additional installation accessories. This feature leaves users free to choose the installation type without any restrictions. A SINGLE DRILLING TEMPLATE FOR THE WHOLE RANGE.

ELECTRONIC REGULATION

All **texa industries** air conditioning systems are equipped with electronic regulation as standard.

QUICK INSTALLATION

Installation is made quick by the simplicity of the drilling to be performed on the cabinet panel, and by the fastening systems, with all required elements included in the air conditioner package.

REDUCED MAINTENANCE

All units are designed to prevent clogging by solid contaminants present in the air. The condensing coils are protected by a HYDROPHILIC TREATMENT which prevents dirt and corrosion.

CONDENSATE DISSIPATOR

FLY air conditioners are equipped with an INTEGRATED CONDENSATE RECOVERY SYSTEM which allows installation costs to be further reduced.

CERTIFICATIONS

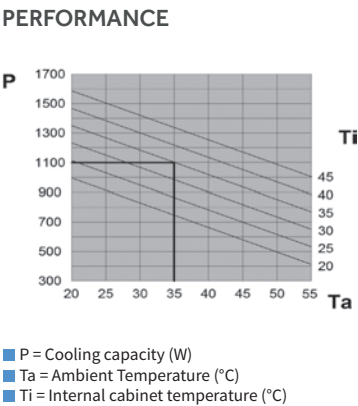
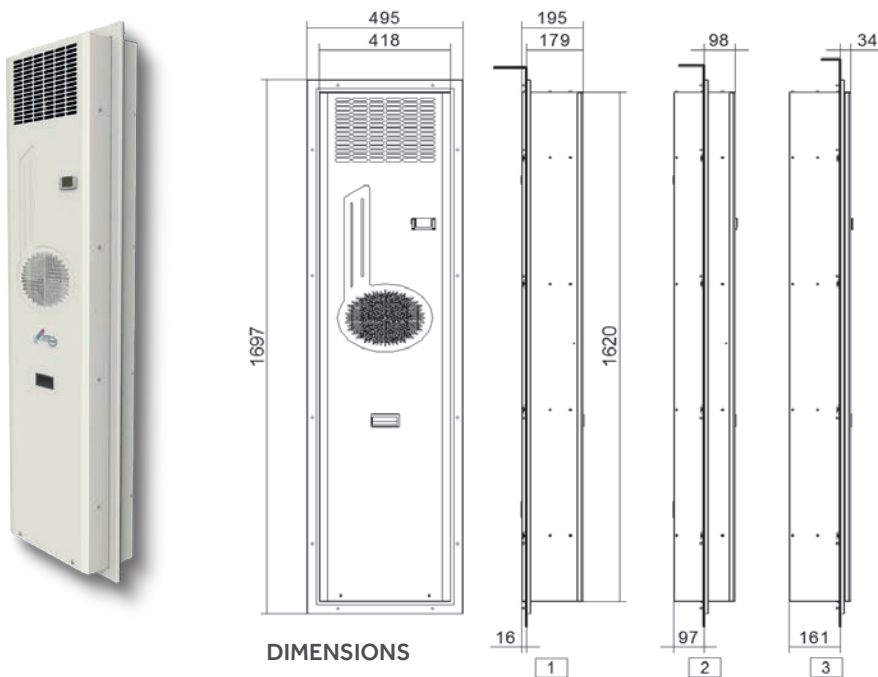
All FLY models are CE and UL approved in standard supply voltages.



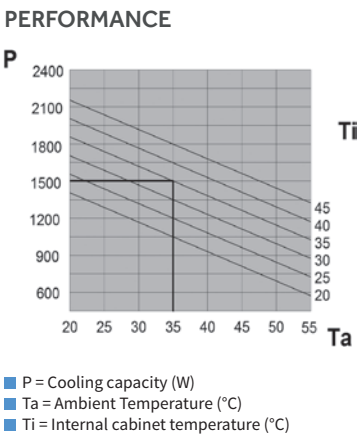
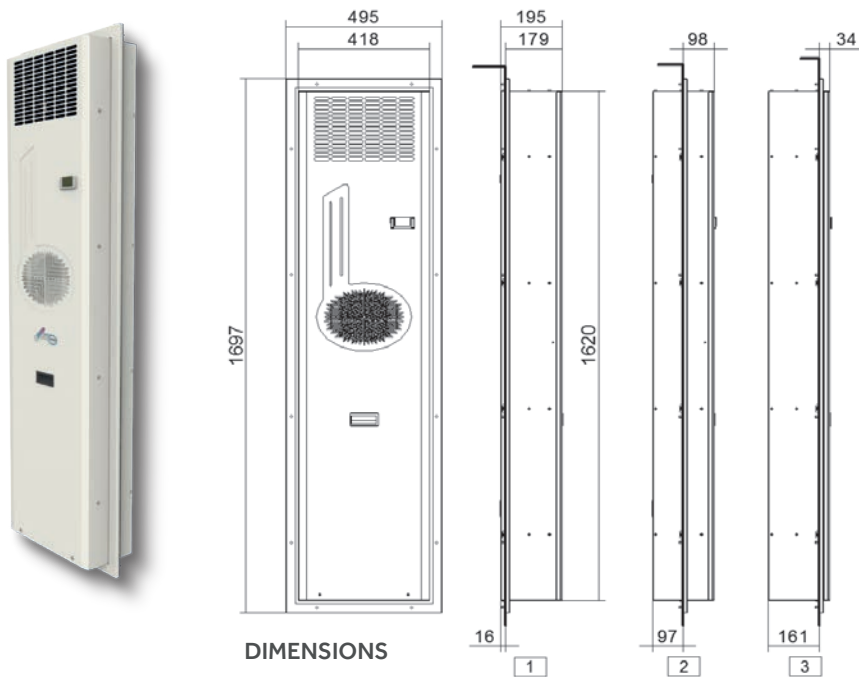
FLY11

Door- or wall-mount air conditioners

COOLING CAPACITY 1100 W



| Features | UoM | FLY11BT0B | FLY11BTUB | FLY11KT0B | FLY11KTUB |
|-------------------------------------------|-------------------|------------------|------------------|------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 1100 | 1100 | 1100 | 1100 |
| Cooling capacity EN14511 - A35A50 | W | 860 | 860 | 860 | 860 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 400/460 2~ 50-60 | 400/460 2~ 50-60 |
| Width - Height - Depth | mm | 495 - 1697 - 195 | 495 - 1697 - 195 | 495 - 1697 - 195 | 495 - 1697 - 195 |
| Max current | A | 6 | 6 | 3 | 3 |
| Inrush current | A | 21 | 21 | 8.5 | 8.5 |
| T Fuse | A | 10 | 10 | 5 | 5 |
| Power draw EN14511 - A35A35 | W | 850 | 850 | 850 | 850 |
| Power draw EN14511 -A35A50 | W | 980 | 980 | 980 | 980 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 860 | 860 | 860 | 860 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 |
| EN60529 ingress protection - cabinet side | - | IP55 | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 64 | 64 | 64 | 64 |
| Weight | kg | 57 | 57 | 59 | 59 |
| Conformity | - | CE | CE c RU US | CE | CE c RU US |



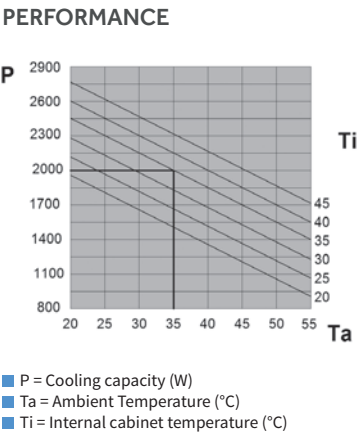
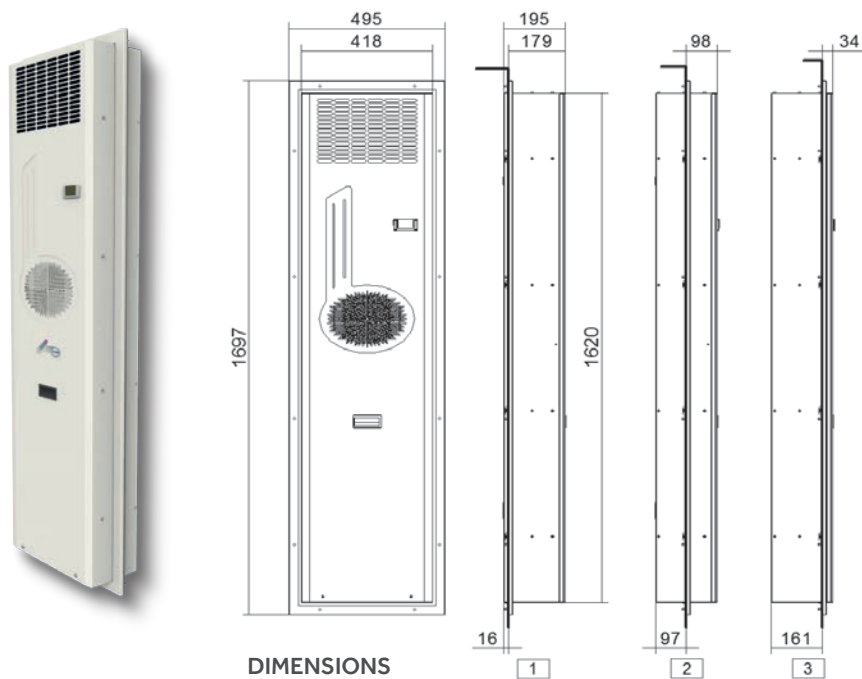
| Features | UoM | FLY15BT0B | FLY15BTUB | FLY15KT0B | FLY15KTUB |
|-------------------------------------------|--------|------------------|------------------|------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 1500 | 1500 | 1500 | 1500 |
| Cooling capacity EN14511 - A35A50 | W | 1150 | 1150 | 1150 | 1150 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 400/460 2~ 50-60 | 400/460 2~ 50-60 |
| Width - Height - Depth | mm | 495 - 1697 - 195 | 495 - 1697 - 195 | 495 - 1697 - 195 | 495 - 1697 - 195 |
| Max current | A | 6.3 | 6.3 | 3.5 | 3.5 |
| Inrush current | A | 24 | 24 | 10.5 | 10.5 |
| T Fuse | A | 10 | 10 | 6 | 6 |
| Power draw EN14511 - A35A35 | W | 1020 | 1020 | 1020 | 1020 |
| Power draw EN14511 - A35A50 | W | 1290 | 1290 | 1290 | 1290 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m³/h | 860 | 860 | 860 | 860 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 |
| EN60529 ingress protection - cabinet side | - | IP55 | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 66 | 66 | 66 | 66 |
| Weight | kg | 59 | 59 | 61 | 61 |
| Conformity | - | CE | CE cULUS | CE | CE cULUS |

FLY20

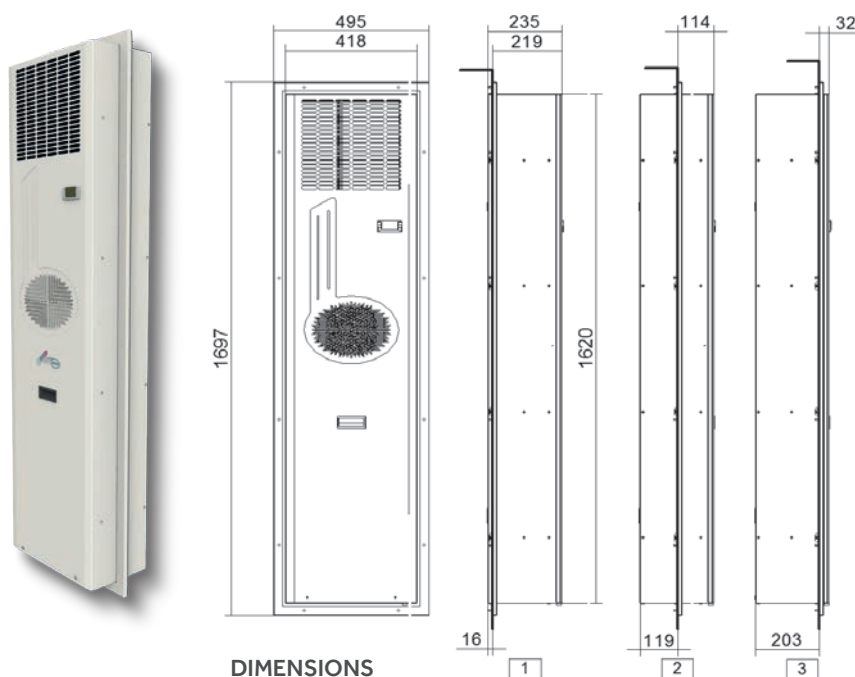
Door- or wall-mount air conditioners

COOLING CAPACITY

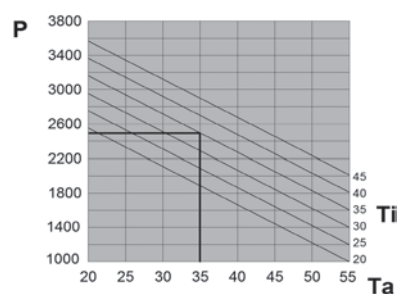
2000 W



| Features | UoM | FLY20BT0B | FLY20BTUB | FLY20HT0B | FLY20HTUB |
|-------------------------------------------|-------------------|------------------|------------------|---------------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 2000 | 2000 | 2000 | 2000 |
| Cooling capacity EN14511 - A35A50 | W | 1550 | 1550 | 1550 | 1550 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 400 3~ 50/460 3~ 60 | 400 3~ 50/460 3~ 60 |
| Width - Height - Depth | mm | 495 - 1697 - 195 | 495 - 1697 - 195 | 495 - 1697 - 195 | 495 - 1697 - 195 |
| Max current | A | 6.5 | 6.5 | 3 | 3 |
| Inrush current | A | 27 | 27 | 10 | 10 |
| T Fuse | A | 11 | 11 | 6 | 6 |
| Power draw EN14511 - A35A35 | W | 1290 | 1290 | 1410 | 1410 |
| Power draw EN14511 -A35A50 | W | 1520 | 1520 | 1620 | 1620 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 860 | 860 | 860 | 860 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 |
| EN60529 ingress protection - cabinet side | - | IP55 | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 67 | 67 | 67 | 67 |
| Weight | kg | 67 | 67 | 69 | 69 |
| Conformity | - | CE | CE cULUS | CE | CE cULUS |



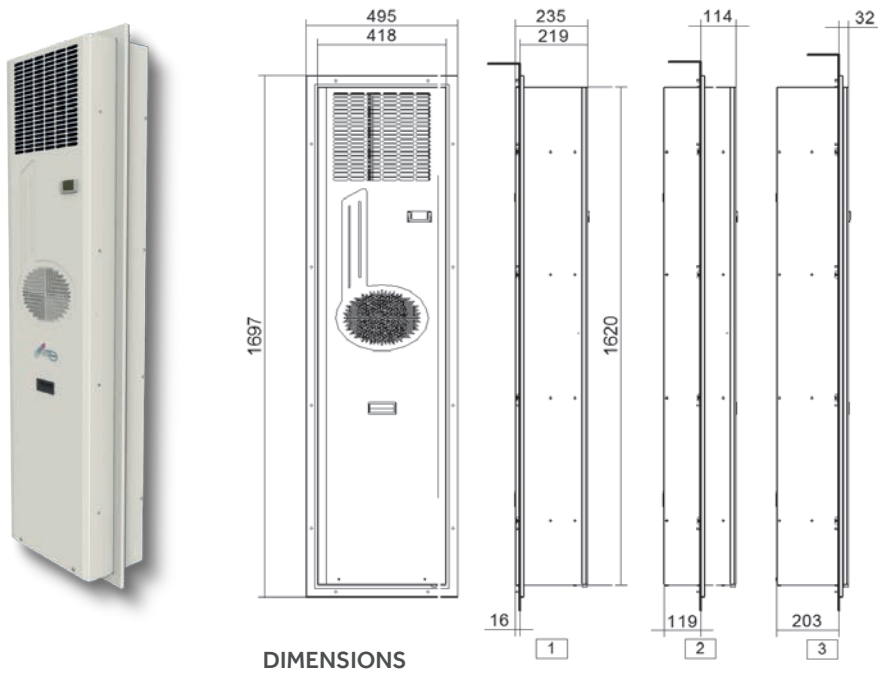
PERFORMANCE



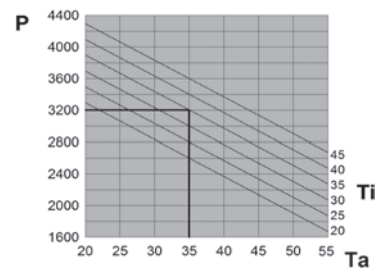
| Features | UoM | FLY25BT0B | FLY25BTUB | FLY25HT0B | FLY25HTUB |
|-------------------------------------------|-------------------|------------------|------------------|---------------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 2500 | 2500 | 2500 | 2500 |
| Cooling capacity EN14511 - A35A50 | W | 1850 | 1850 | 1850 | 1850 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 400 3~ 50/460 3~ 60 | 400 3~ 50/460 3~ 60 |
| Width - Height - Depth | mm | 495 - 1697 - 235 | 495 - 1697 - 235 | 495 - 1697 - 235 | 495 - 1697 - 235 |
| Max current | A | 10.5 | 10.5 | 3.5 | 3.5 |
| Inrush current | A | 35 | 35 | 14 | 14 |
| T Fuse | A | 13 | 13 | 7 | 7 |
| Power draw EN14511 - A35A35 | W | 1640 | 1640 | 1690 | 1690 |
| Power draw EN14511 - A35A50 | W | 1830 | 1830 | 1860 | 1860 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 1450 | 1450 | 1450 | 1450 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 |
| EN60529 ingress protection - cabinet side | - | IP55 | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 69 | 69 | 69 | 69 |
| Weight | kg | 80 | 80 | 82 | 82 |
| Conformity | - | CE | CE cULUS | CE | CE cULUS |

Door- or wall-mount air conditioners



COOLING CAPACITY 3200 W



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | FLY32BT0B | FLY32BTUB | FLY32HT0B | FLY32HTUB |
|-------------------------------------------|-------------------|------------------|--------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------|
| Cooling capacity EN14511 - A35A35 | W | 3200 | 3200 | 3200 | 3200 |
| Cooling capacity EN14511 - A35A50 | W | 2500 | 2500 | 2500 | 2500 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 400 3~ 50/460 3~ 60 | 400 3~ 50/460 3~ 60 |
| Width - Height - Depth | mm | 495 - 1697 - 235 | 495 - 1697 - 235 | 495 - 1697 - 235 | 495 - 1697 - 235 |
| Max current | A | 12 | 12 | 4.5 | 4.5 |
| Inrush current | A | 39 | 39 | 18 | 18 |
| T Fuse | A | 15 | 15 | 8 | 8 |
| Power draw EN14511 - A35A35 | W | 1920 | 1920 | 1980 | 1980 |
| Power draw EN14511 - A35A50 | W | 2240 | 2240 | 2290 | 2290 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 1450 | 1450 | 1450 | 1450 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-55 | 20-55 | 20-55 | 20-55 |
| EN60529 ingress protection - cabinet side | - | IP55 | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 69 | 69 | 69 | 69 |
| Weight | kg | 81 | 81 | 83 | 83 |
| Conformity | - | CE | CE  US | CE | CE  US |



EGO

Door- or wall-mount air conditioners

ELECTRONIC REGULATION

All **texa industries** air conditioning systems are equipped with electronic regulation as standard.

QUICK INSTALLATION

Installation is made quick by the simplicity of the drilling to be performed on the cabinet panel, and by the fastening systems.

REDUCED MAINTENANCE

All units are designed to prevent clogging by solid contaminants present in the ambient air. The condensing coils are protected by a hydrophilic treatment which prevents dirt and corrosion.



Door- or wall-mount air conditioners

COOLING CAPACITY

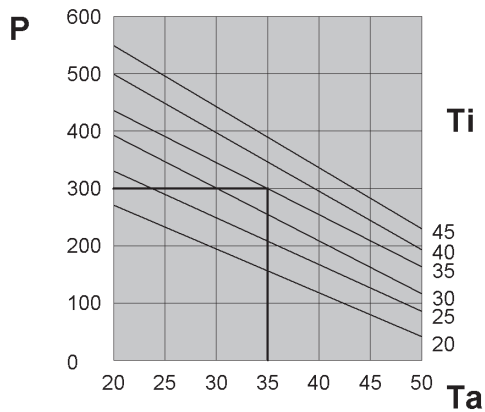
300 W



| Features | UoM | EGOS3BT1B |
|-------------------------------------------|-------------------|--------------------------------------------------|
| Cooling capacity EN14511 - A35A35 | W | 300 |
| Cooling capacity EN14511 - A35A50 | W | 150 |
| Power supply | V ~ Hz | 230 1~ 50-60 |
| Width - Height - Depth | mm | 525 - 345 - 136 |
| Max current | A | 1.5 |
| Inrush current | A | 4.2 |
| T Fuse | A | 4 |
| Power draw EN14511 - A35A35 | W | 270 |
| Power draw EN14511 - A35A50 | W | 310 |
| Electrical connection | - | 4-pin plug |
| R134a Refrigerant | kg | 0.12 |
| Cabinet air fan capacity | m ³ /h | 280 |
| Internal temperature range | °C | 20-45 |
| Temperature regulation | - | Electronic thermostat TX050, factory set to 35°C |
| External temperature range | °C | 20-55* |
| EN60529 ingress protection - cabinet side | - | IP55 |
| Noise level | dB (A) | 61 |
| Weight | kg | 14 |
| Conformity | - | CE |

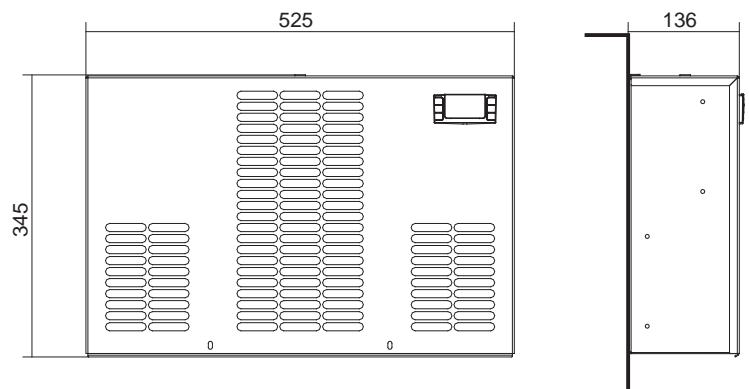
* 50 °C at 60 Hz

PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

DIMENSIONS



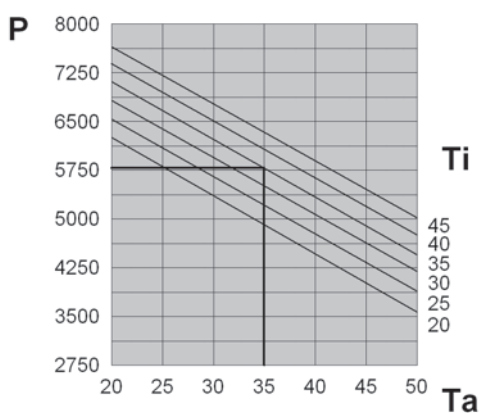
Door- or wall-mount air conditioners

COOLING CAPACITY 5800 - 6050 W



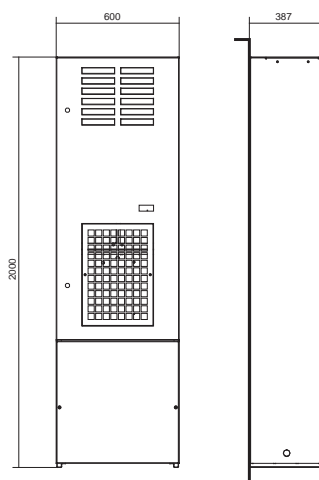
| Features | UoM | EGO60MTEB | EGO60NTEB |
|-------------------------------------------|-------------------|--------------------------------------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 5800 | 6050 |
| Cooling capacity EN14511 - A35A50 | W | 4350 | 4530 |
| Power supply | V ~ Hz | 400 3~ 50 | 460 3~ 60 |
| Width - Height - Depth | mm | 600 - 2000 - 387 | 600 - 2000 - 387 |
| Max current | A | 5.9 | 6.8 |
| Inrush current | A | 21.7 | 23.5 |
| T Fuse | A | 8 | 8 |
| Power draw EN14511 - A35A35 | W | 2340 | 2920 |
| Power draw EN14511 - A35A50 | W | 3880 | 4520 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| R407C Refrigerant | kg | 1.8 | 1.8 |
| Cabinet air fan capacity | m ³ /h | 1450 | 1450 |
| Internal temperature range | °C | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX050, factory set to 35°C | |
| External temperature range | °C | 20-50 | 20-50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 |
| Noise level | dB (A) | 72 | 72 |
| Weight | kg | 150 | 150 |
| Conformity | - | CE | CE |

PERFORMANCE (EGO60MTEB)



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

DIMENSIONS



EGO80

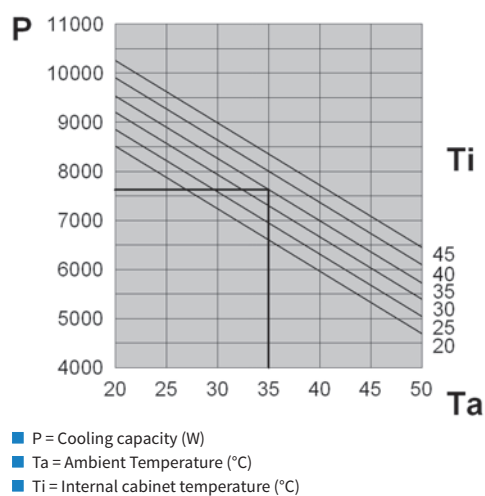
Door- or wall-mount air conditioners

COOLING CAPACITY 7600 - 7950 W

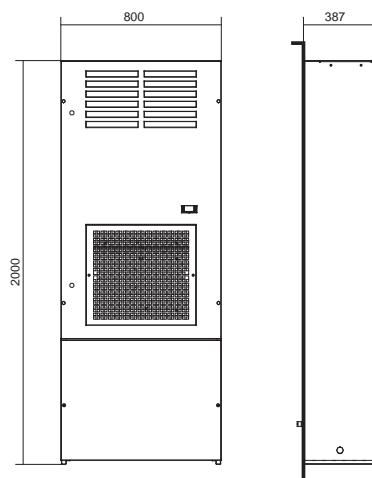


| Features | UoM | EGO80MTEB | EGO80NTEB |
|-------------------------------------------|--------|--------------------------------------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 7600 | 7950 |
| Cooling capacity EN14511 - A35A50 | W | 5700 | 5930 |
| Power supply | V ~ Hz | 400 3~ 50 | 460 3~ 60 |
| Width - Height - Depth | mm | 800 - 2000 - 387 | 800 - 2000 - 387 |
| Max current | A | 8.1 | 9.3 |
| Inrush current | A | 30.7 | 32.5 |
| T Fuse | A | 16 | 16 |
| Power draw EN14511 - A35A35 | W | 3300 | 4035 |
| Power draw EN14511 - A35A50 | W | 4910 | 5845 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| R134a Refrigerant | kg | 2.8 | 2.8 |
| Cabinet air fan capacity | m³/h | 2900 | 2900 |
| Internal temperature range | °C | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX050, factory set to 35°C | |
| External temperature range | °C | 20-50 | 20-50 |
| EN60529 ingress protection - cabinet side | | IP54 | IP54 |
| Noise level | dB (A) | 75 | 75 |
| Weight | kg | 160 | 160 |
| Conformity | - | CE | CE |

PERFORMANCE (EGO80MTEB)



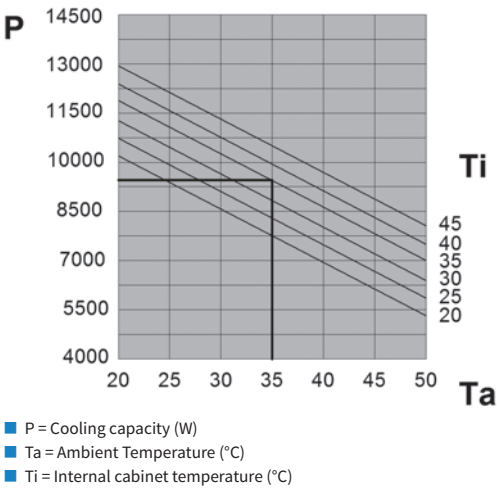
DIMENSIONS



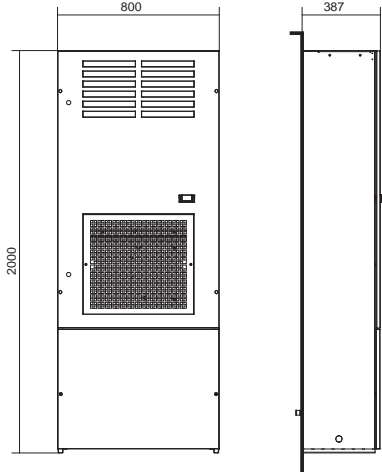


| Features | UoM | EGOA0MTEB | EGOA0NTEB |
|-------------------------------------------|--------|--------------------------------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 9400 | 9850 |
| Cooling capacity EN14511 - A35A50 | W | 7000 | 7350 |
| Power supply | V ~ Hz | 400 3~ 50 | 460 3~ 60 |
| Width - Height - Depth | mm | 800 - 2000 - 387 | 800 - 2000 - 387 |
| Max current | A | 9.1 | 10.3 |
| Inrush current | A | 30.7 | 32.5 |
| T Fuse | A | 18 | 18 |
| Power draw EN14511 - A35A35 | W | 3650 | 4380 |
| Power draw EN14511 -A35A50 | W | 5400 | 6340 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| R134a Refrigerant | kg | 2.3 | 2.3 |
| Cabinet air fan capacity | m³/h | 2900 | 2900 |
| Internal temperature range | °C | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat, factory set to 35°C | |
| External temperature range | °C | 20-50 | 20-50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 |
| Noise level | dB (A) | 77 | 77 |
| Weight | kg | 180 | 180 |
| Conformity | - | CE | CE |

PERFORMANCE (EGOA0MTEB)



DIMENSIONS



EGO A5

Door- or wall-mount air conditioners

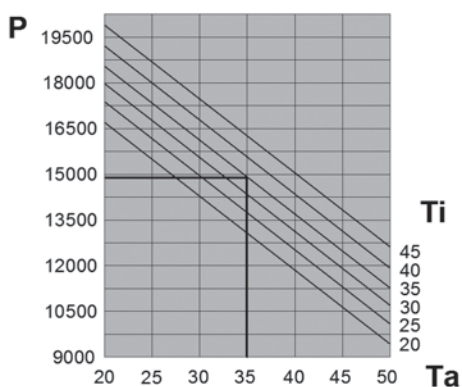
COOLING CAPACITY

14800 - 15150 W



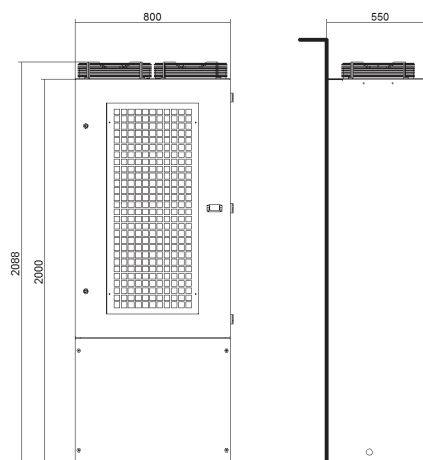
| Features | UoM | EGO A5MTEB | EGO A5NTEB |
|-------------------------------------------|--------|--------------------------------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 14800 | 15150 |
| Cooling capacity EN14511 - A35A50 | W | 11300 | 11600 |
| Power supply | V ~ Hz | 400 3~ 50 | 460 3~ 60 |
| Width - Height - Depth | mm | 800 - 2000 - 550 | 800 - 2000 - 550 |
| Max current | A | 11 | 11.8 |
| Inrush current | A | 49 | 51 |
| T Fuse | A | 20 | 20 |
| Power draw EN14511 - A35A35 | W | 5750 | 6580 |
| Power draw EN14511 - A35A50 | W | 6900 | 7760 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| R410A Refrigerant | kg | 3.5 | 3.5 |
| Cabinet air fan capacity | m³/h | 4300 | 4300 |
| Internal temperature range | °C | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat, factory set to 35°C | |
| External temperature range | °C | 20-50 | 20-50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 |
| Noise level | dB (A) | 67 | 67 |
| Weight | kg | 240 | 240 |
| Conformity | - | CE | CE |

PERFORMANCE (EGO A5MTEB)



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

DIMENSIONS



FILTERS



| Models | Item code | Quantity per pack |
|----------|-----------|-------------------|
| EGO60 | C15000175 | 5 |
| EGO80-A0 | C15000188 | 5 |

AAEFP/AADFP

PU foam filter for air conditioners

Texa industries **air conditioners** are designed not to require maintenance and are supplied without filters for the external air intake. However, when the ambient air is particularly contaminated by oily aerosols or particles, users can choose to insert a filter in the space provided at the rear of the intake grille. These filters are made from an alveolar polyurethane foam with highly stable mechanical and chemical properties.



| Models | Item code | Quantity per pack |
|----------|-----------|-------------------|
| EGO60 | C15000176 | 1 |
| EGO80-A0 | C15000189 | 1 |

AAEFM/AADFM

Regenerable air filters for air conditioners

In extreme environmental conditions, the air conditioners can be fitted with metal air filters. They provide less efficient filtration than the PU foam filters, but have the advantage that they are regenerable. They can be cleaned with degreaser and reused as many times as the user wishes. They are made from an aluminium mesh.

DEK

Roof-mount air conditioners

REFRIGERANT GAS

Air conditioners all come pre-charged with R134a refrigerant

WIDE RANGE OF POWER OUTPUTS

The available power outputs range from 410 to 3850 W, covering most electrical cabinet cooling requirements in an extremely compact size.

PROTECTION FROM CONDENSATE

Great attention has been paid to protecting the cabinet from condensate. Inside the air conditioner is a stainless-steel tray in which the condensate is collected, before being drained off through a service hose and second safety hose.

ELECTRONIC REGULATION

All **texa industries** air conditioning systems are equipped with electronic regulation as standard.

QUICK INSTALLATION

Installation is made quick by the simplicity of the drilling to be performed on the cabinet panel, and by the fastening systems.

REDUCED MAINTENANCE

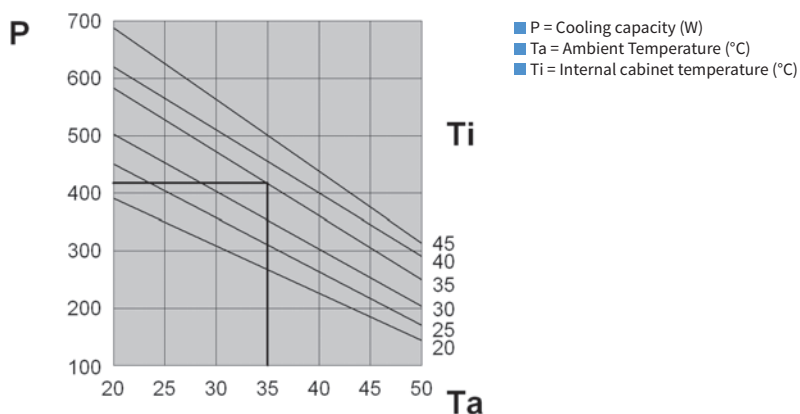
All units are designed to prevent clogging by solid contaminants present in the ambient air.



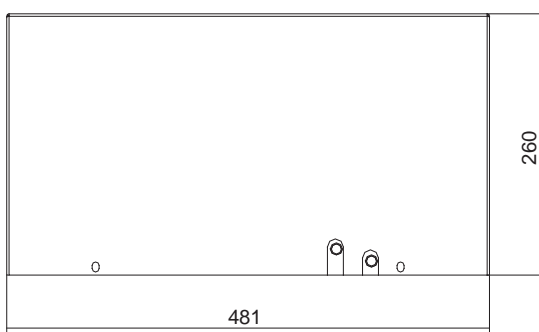
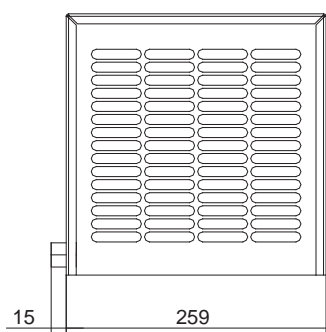
Roof-mount air conditioners

COOLING CAPACITY 410 W

PERFORMANCE



DIMENSIONS



| Features | UoM | DEK04BT0B | DEK04BTUB | DEK04CT0B |
|-------------------------------------------|-------------------|-----------------|-----------------|-----------------|
| Cooling capacity EN14511 - A35A35 | W | 410 | 410 | 410 |
| Cooling capacity EN14511 - A35A50 | W | 240 | 240 | 240 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 259 - 260 - 481 | 259 - 260 - 481 | 259 - 260 - 481 |
| Max current | A | 1.5 | 1.5 | 2.9 |
| Inrush current | A | 4 | 4 | 10 |
| T Fuse | A | 4 | 4 | 6 |
| Power draw EN14511 - A35A35 | W | 230 | 230 | 280 |
| Power draw EN14511 -A35A50 | W | 290 | 290 | 325 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 235 | 235 | 235 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-55* | 20-55* | 20-50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 | IP54 |
| Noise level | dB (A) | 60 | 65 | 60 |
| Weight | kg | 18 | 18 | 19 |
| Conformity | - | CE | CE cULus | CE |

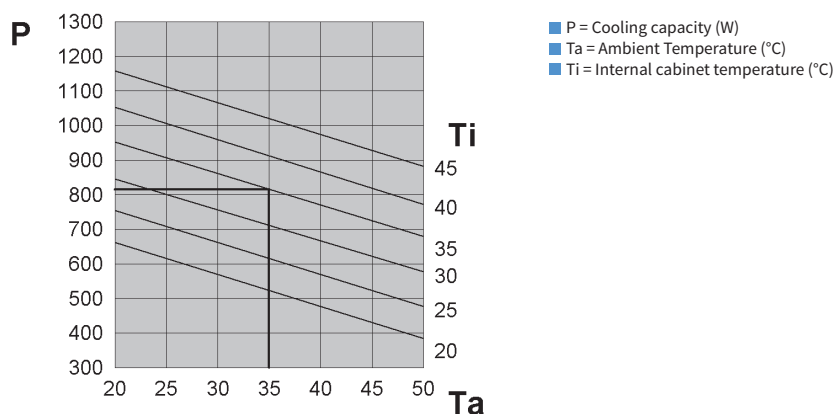
* 50 °C at 60 Hz

DEK08

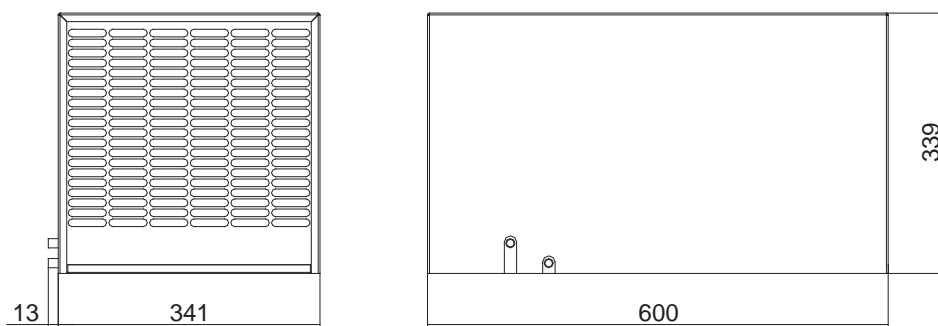
Roof-mount air conditioners

COOLING CAPACITY 820 W

PERFORMANCE



DIMENSIONS



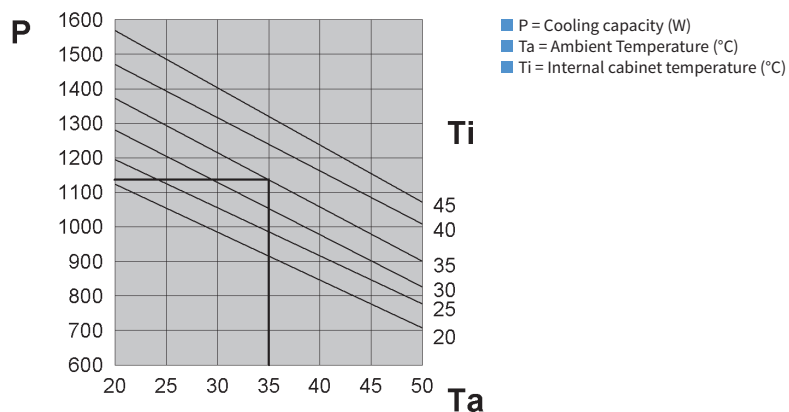
| Features | UoM | DEK08BT0B | DEK08BTUB | DEK08CT0B | DEK08GT0B |
|-------------------------------------------|--------|-----------------|-----------------|-----------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 820 | 820 | 820 | 820 |
| Cooling capacity EN14511 - A35A50 | W | 680 | 680 | 680 | 680 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 | 400/440 2~ 50-60 |
| Width - Height - Depth | mm | 341 - 339 - 600 | 341 - 339 - 600 | 341 - 339 - 600 | 341 - 339 - 600 |
| Max current | A | 2.9 | 3.5 | 5.7 | 1.7 |
| Inrush current | A | 12 | 12 | 19 | 7 |
| T Fuse | A | 6 | 6 | 10 | 4 |
| Power draw EN14511 - A35A35 | W | 510 | 520 | 520 | 520 |
| Power draw EN14511 -A35A50 | W | 560 | 590 | 570 | 570 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m³/h | 570 | 570 | 570 | 570 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-55* | 20-55* | 20-50 | 20-50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 | IP54 | IP54 |
| Noise level | dB (A) | 62 | 65 | 62 | 62 |
| Weight | kg | 23 | 23 | 24 | 24 |
| Conformity | - | CE | CE cULus | CE | CE |

* 50 °C at 60 Hz

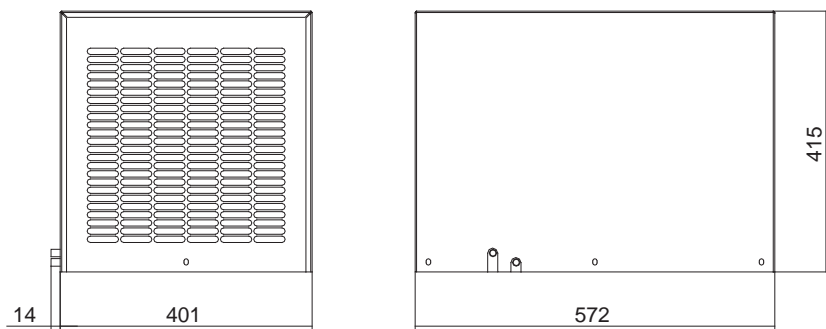
Roof-mount air conditioners

COOLING CAPACITY 1150 W

PERFORMANCE



DIMENSIONS



| Features | UoM | DEK12BT0B | DEK12BTUB | DEK12CT0B | DEK12GT0B |
|-------------------------------------------|-------------------|-----------------|-----------------|-----------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 1150 | 1150 | 1150 | 1150 |
| Cooling capacity EN14511 - A35A50 | W | 900 | 900 | 900 | 900 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 | 400/440 2~ 50-60 |
| Width - Height - Depth | mm | 401 - 415 - 572 | 401 - 415 - 572 | 401 - 415 - 572 | 401 - 415 - 572 |
| Max current | A | 3.2 | 4 | 6.4 | 2.2 |
| Inrush current | A | 11 | 11 | 22 | 8 |
| T Fuse | A | 6 | 6 | 12 | 6 |
| Power draw EN14511 - A35A35 | W | 550 | 570 | 560 | 560 |
| Power draw EN14511 - A35A50 | W | 660 | 690 | 670 | 670 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 570 | 570 | 570 | 570 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-55* | 20-50 | 20-50 | 20-50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 | IP54 | IP54 |
| Noise level | dB (A) | 65 | 65 | 65 | 65 |
| Weight | kg | 40 | 40 | 42 | 42 |
| Conformity | - | CE | CE cULus | CE | CE |

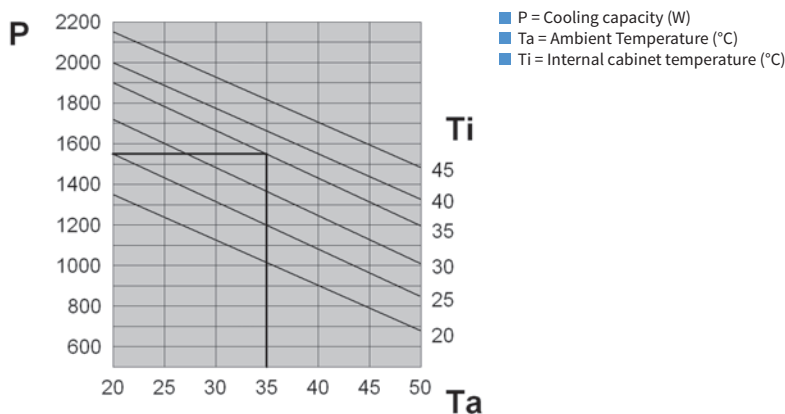
* 50 °C at 60 Hz

DEK15

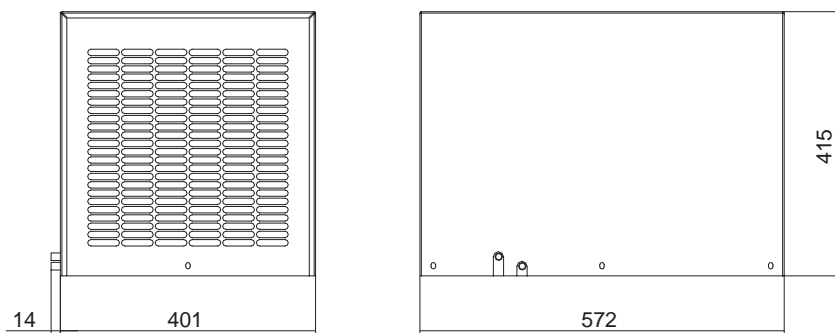
Roof-mount air conditioners

COOLING CAPACITY 1550 W

PERFORMANCE



DIMENSIONS



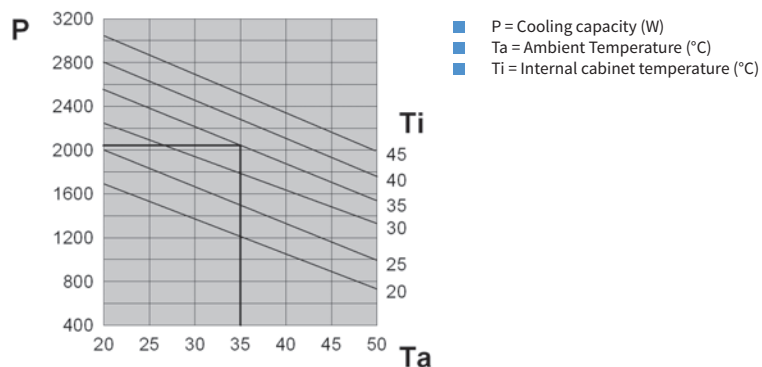
| Features | UoM | DEK15BT0B | DEK15BTUB | DEK15CT0B | DEK15GT0B |
|-------------------------------------------|--------|-----------------|-----------------|-----------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 1550 | 1550 | 1550 | 1550 |
| Cooling capacity EN14511 - A35A50 | W | 1200 | 1200 | 1200 | 1200 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 | 400/440 2~ 50-60 |
| Width - Height - Depth | mm | 401 - 415 - 572 | 401 - 415 - 572 | 401 - 415 - 572 | 401 - 415 - 572 |
| Max current | A | 4.5 | 5.5 | 10 | 2.8 |
| Inrush current | A | 18 | 18 | 39 | 9.6 |
| T Fuse | A | 8 | 10 | 18 | 6 |
| Power draw EN14511 - A35A35 | W | 810 | 830 | 820 | 820 |
| Power draw EN14511 - A35A50 | W | 930 | 960 | 940 | 940 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m³/h | 860 | 860 | 860 | 860 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-55* | 20-50 | 20-50 | 20-50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 | IP54 | IP54 |
| Noise level | dB (A) | 65 | 65 | 65 | 65 |
| Weight | kg | 44 | 44 | 46 | 46 |
| Conformity | - | CE | CE cULus | CE | CE |

* 50 °C at 60 Hz

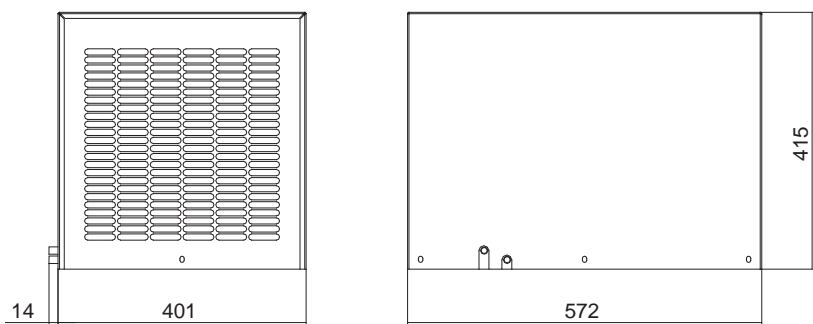
Roof-mount air conditioners


COOLING CAPACITY 2050 W

PERFORMANCE



DIMENSIONS



| Features | UoM | DEK20BT0B | DEK20CT0B | DEK20LT0B | DEK20NTUB |
|-------------------------------------------|-------------------|-----------------|-----------------|-----------------|------------------------------------------------------------------------------------------|
| Cooling capacity EN14511 - A35A35 | W | 2050 | 2050 | 2050 | 2050 |
| Cooling capacity EN14511 - A35A50 | W | 1560 | 1560 | 1560 | 1560 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 115 1~ 50-60 | 400 3~ 50-60 | 460 3~ 60 |
| Width - Height - Depth | mm | 401 - 415 - 572 | 401 - 415 - 572 | 401 - 415 - 572 | 401 - 415 - 572 |
| Max current | A | 6 | 13.2 | 1.9 | 2.1 |
| Inrush current | A | 24 | 48 | 10 | 10 |
| T Fuse | A | 10 | 20 | 4 | 6 |
| Power draw EN14511 - A35A35 | W | 1150 | 1220 | 990 | 1060 |
| Power draw EN14511 - A35A50 | W | 1250 | 1320 | 1190 | 1290 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 1050 | 1050 | 1050 | 1050 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-55* | 20-50 | 20-50 | 20-50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 | IP54 | IP54 |
| Noise level | dB (A) | 65 | 65 | 65 | 65 |
| Weight | kg | 50 | 56 | 52 | 52 |
| Conformity | - | CE | CE | CE | CE  |

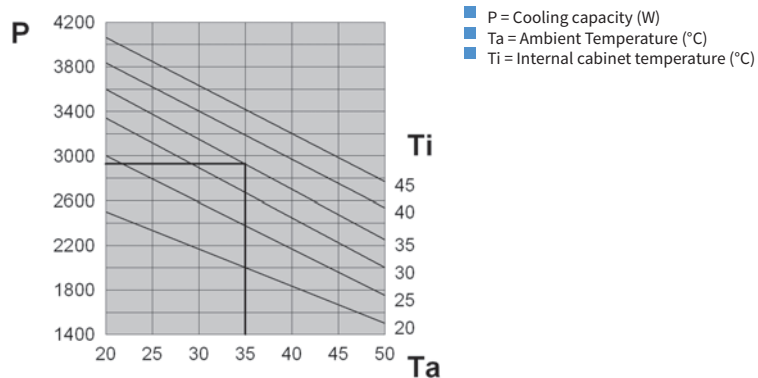
* 50 °C at 60 Hz

DEK30

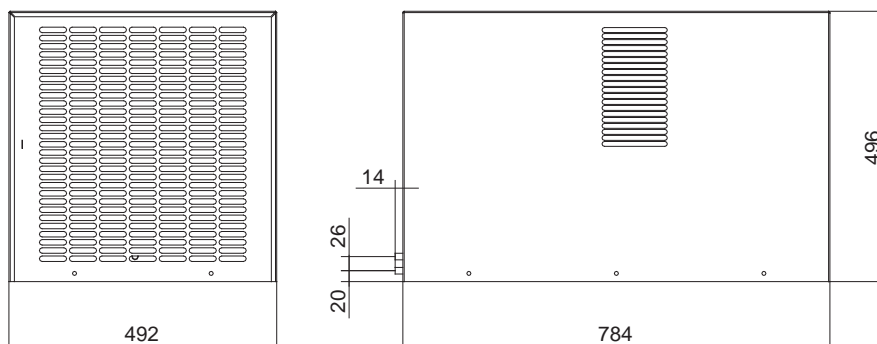
Roof-mount air conditioners

COOLING CAPACITY 2900 W

PERFORMANCE



DIMENSIONS



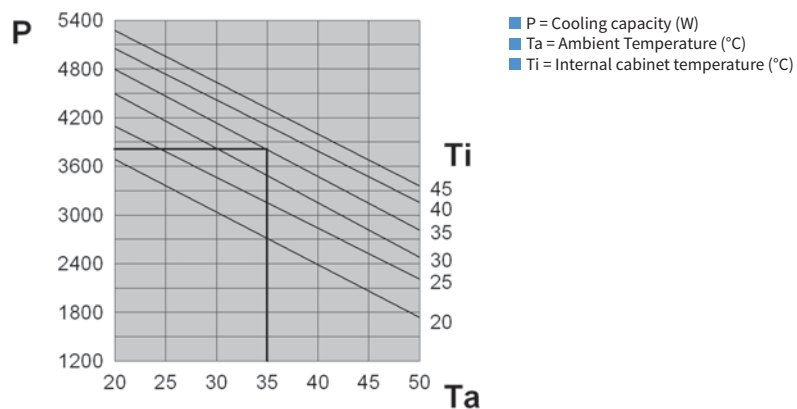
| Features | UoM | DEK30BT0B | DEK30LT0B | DEK30NTUB |
|-------------------------------------------|-------------------|-----------------|-----------------|-----------------|
| Cooling capacity EN14511 - A35A35 | W | 2900 | 2900 | 2900 |
| Cooling capacity EN14511 - A35A50 | W | 2250 | 2250 | 2250 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 400 3~ 50-60 | 460 3~ 60 |
| Width - Height - Depth | mm | 492 - 496 - 784 | 492 - 496 - 784 | 492 - 496 - 784 |
| Max current | A | 8.2 | 2.5 | 3.3 |
| Inrush current | A | 38.4 | 15.7 | 15.7 |
| T Fuse | A | 16 | 6 | 6 |
| Power draw EN14511 - A35A35 | W | 1350 | 1210 | 1310 |
| Power draw EN14511 - A35A50 | W | 1610 | 1450 | 1750 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 860 | 860 | 860 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-50 | 20-50 | 20-50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 | IP54 |
| Noise level | dB (A) | 75 | 75 | 75 |
| Weight | kg | 80 | 83 | 83 |
| Conformity | - | CE | CE | CE cULus |

Roof-mount air conditioners

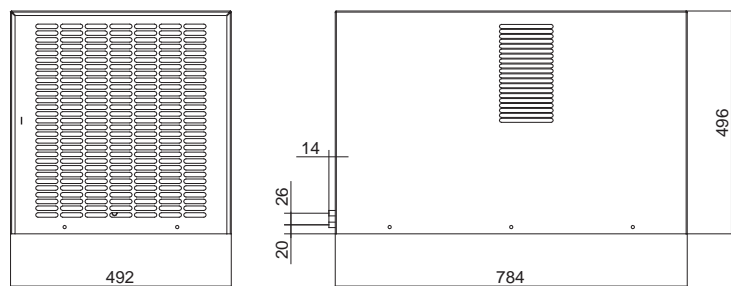
COOLING CAPACITY 3850 W



PERFORMANCE



DIMENSIONS



| Features | UoM | DEK40BT0B | DEK40LT0B | DEK40NTUB |
|-------------------------------------------|-------------------|-----------------|-----------------|-----------------|
| Cooling capacity EN14511 - A35A35 | W | 3850 | 3850 | 3850 |
| Cooling capacity EN14511 - A35A50 | W | 2870 | 2870 | 2870 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 400 3~ 50-60 | 460 3~ 60 |
| Width - Height - Depth | mm | 492 - 496 - 784 | 492 - 496 - 784 | 492 - 496 - 784 |
| Max current | A | 9 | 3.6 | 4.3 |
| Inrush current | A | 38.2 | 17 | 17 |
| T Fuse | A | 18 | 6 | 6 |
| Power draw EN14511 - A35A35 | W | 1690 | 1790 | 1950 |
| Power draw EN14511 - A35A50 | W | 1950 | 2010 | 2160 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 1450 | 1450 | 1450 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 |
| External temperature range | °C | 20-50 | 20-50 | 20-50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 | IP54 |
| Noise level | dB (A) | 75 | 75 | 75 |
| Weight | kg | 83 | 86 | 86 |
| Conformity | - | CE | CE | CE cULus |

FILTERS



| Models | Item code | Quantity per pack |
|-------------|-----------|-------------------|
| DEK04 | C15000171 | 5 |
| DEK08 | C15000173 | 5 |
| DEK12-15-20 | AADFP12 | 5 |
| DEK30-40 | AADFP30 | 5 |

AAEFP/AADFP

PU foam filter for air conditioners

Texa industries **air conditioners** are designed not to require maintenance and are supplied without filters for the external air intake. However, when the ambient air is particularly contaminated by oily aerosols or particles, users can choose to insert a filter in the space provided at the rear of the intake grille. These filters are made from an alveolar polyurethane foam with highly stable mechanical and chemical properties.



| Models | Item code | Quantity per pack |
|-------------|-----------|-------------------|
| DEK04 | C15000172 | 1 |
| DEK08 | C15000174 | 1 |
| DEK12-15-20 | AADFM12 | 1 |
| DEK30-40 | AADFM30 | 1 |

AAEFM/AADFM

Regenerable air filters for air conditioners

In extreme environmental conditions, the air conditioners can be fitted with metal air filters. They provide less efficient filtration than the PU foam filters, but have the advantage that they are regenerable. They can be cleaned with degreaser and reused as many times as the user wishes. They are made from an aluminium mesh.

Wall-mount air conditioners for outdoor applications



GAS

Air conditioners all come pre-charged with R134a refrigerant



INTEGRATED MODBUS

All air conditioners with NOX-i40 can be provided with MODBUS RTU RS485 connection on request.



ADVANCED SEQUENCING

All units are equipped with connection to sequence the operation of two air conditioners. This option allows back-up operation and distribution of operating hours.



ADVANCED MICROPORT

Customers can easily program whether or not to lock the internal fan when the microport opens.



ECO MODE

Standard feature on the entire range to optimise electricity use under low working load conditions.



°C / °F

Change only one parameter to go from Celsius to Fahrenheit.



PREDICTIVE MAINTENANCE

An advanced system enables the air conditioner to self-learn and alert the user when maintenance is due.



SERVICE MODE

Runs a simple check procedure to ensure the air conditioner is working properly; useful during installation.



HUMIDITY CONTROL

This option (supplied on request) uses a humidistat to control the humidity inside the cabinet; ideal for applications in tropical areas.

EC EC FANS

Available on request, electronic fans increase air conditioner efficiency by further reducing energy consumption and related operating costs.



LOW-NOISE VERSION

Available on request, the version with reduced modulated speed fans enables low-noise operation in outdoor residential or commercial applications.

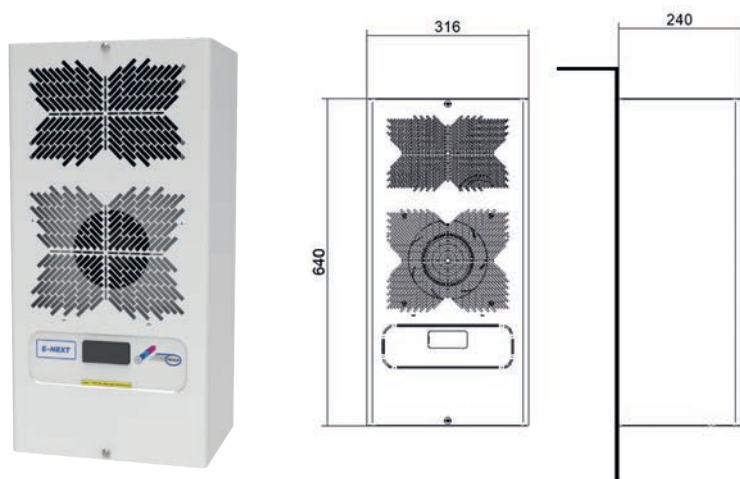


Wall-mount air conditioners for outdoor applications

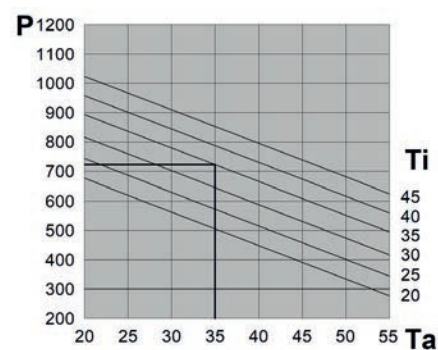
COOLING CAPACITY

720 W

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | NOX06B0E1C00000 | NOX06K0E1C00000 | NOX06B0E1U00000 | NOX06C0E1U00000 |
|-----------------------------------|-------------------|-----------------------------------------------------------------------------------------------|---------------------|-----------------|-----------------|
| Cooling capacity EN14511 - A35A35 | W | 720 | 720 | 720 | 720 |
| Cooling capacity EN14511 - A35A50 | W | 555 | 555 | 555 | 555 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 |
| Width - Height - Depth | mm | 316 - 640 - 240 | 316 - 640 - 240 | 316 - 640 - 240 | 316 - 640 - 240 |
| Max current | A | 2.3 | 1.3 | 2.3 | 4.3 |
| Inrush current | A | 10.9 | 6.3 | 10.9 | 22.2 |
| T Fuse | A | 6 | 4 | 6 | 8 |
| Power draw EN14511 - A35A35 | W | 380 | 380 | 380 | 420 |
| Power draw EN14511 - A35A50 | W | 450 | 450 | 450 | 500 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 305 | 305 | 305 | 305 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C, with 3m cable and DIN rail installation kit | | | |
| External temperature range | °C | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 4/4X | NEMA TYPE 4/4X |
| Noise level | dB (A) | 65 | 65 | 65 | 65 |
| Weight | kg | 24 | 26 | 24 | 24 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

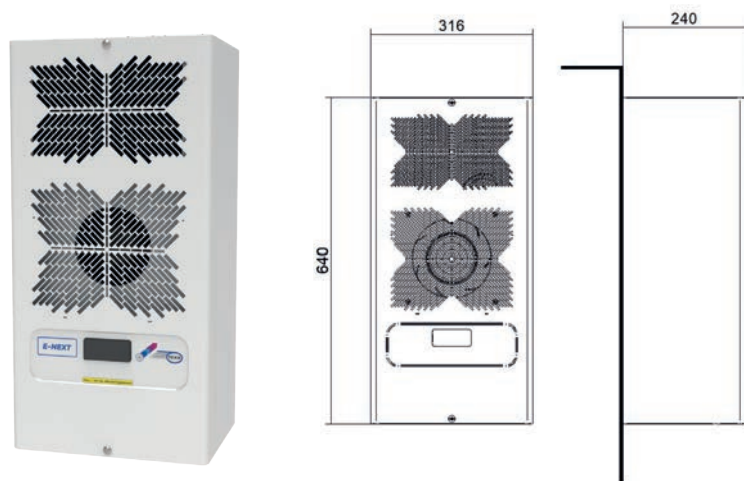
* Type 4X only in stainless steel framework version

Wall-mount air conditioners for outdoor applications

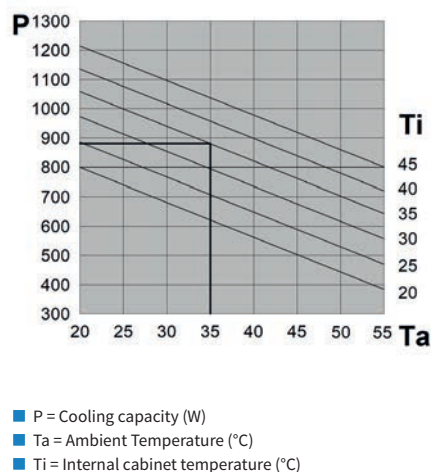
COOLING CAPACITY

880 W

DIMENSIONS



PERFORMANCE



| Features | UoM | NOX08B0E1C00000 | NOX08K0E1C00000 | NOX08B0E1U00000 | NOX08C0E1U00000 |
|-----------------------------------|-------------------|-----------------------------------------------------------------------------------------------|---------------------|-----------------|-----------------|
| Cooling capacity EN14511 - A35A35 | W | 880 | 880 | 880 | 880 |
| Cooling capacity EN14511 - A35A50 | W | 705 | 705 | 705 | 705 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 |
| Width - Height - Depth | mm | 316 - 640 - 240 | 316 - 640 - 240 | 316 - 640 - 240 | 316 - 640 - 240 |
| Max current | A | 2.4 | 1.4 | 2.4 | 4.2 |
| Inrush current | A | 12.9 | 7.4 | 12.9 | 22.2 |
| T Fuse | A | 6 | 4 | 6 | 8 |
| Power draw EN14511 - A35A35 | W | 450 | 450 | 450 | 430 |
| Power draw EN14511 - A35A50 | W | 520 | 520 | 520 | 540 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 325 | 325 | 325 | 325 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C, with 3m cable and DIN rail installation kit | | | |
| External temperature range | °C | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 4/4X | NEMA TYPE 4/4X |
| Noise level | dB (A) | 65 | 65 | 65 | 65 |
| Weight | kg | 25 | 27 | 25 | 25 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

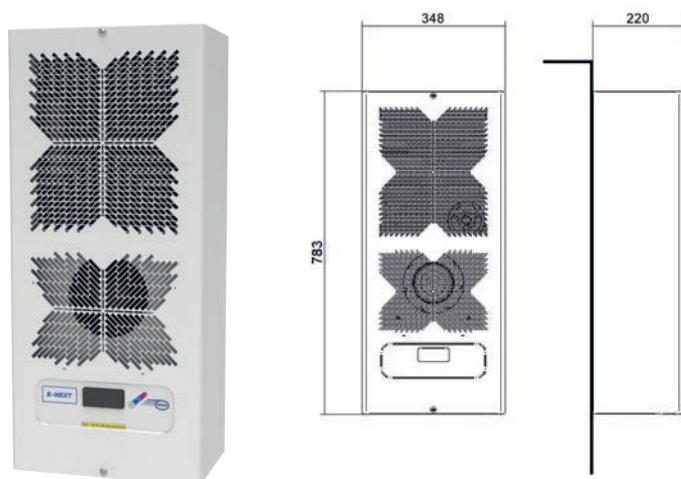
* Type 4X only in stainless steel framework version

Wall-mount air conditioners for outdoor applications

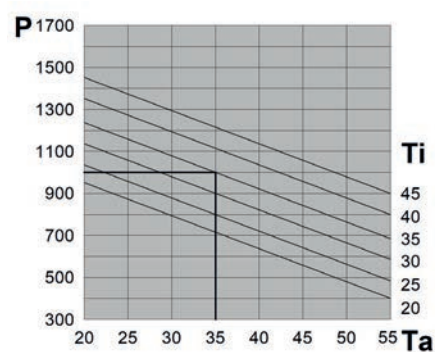
COOLING CAPACITY

1000 W

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | NOX10B0E1C00000 | NOX10K0E1C00000 | NOX10B0E1U00000 | NOX10C0E1U00000 | NOX10K0E1U00000 |
|-----------------------------------|-------------------|-----------------------------------------------------------------------------------------------|---------------------|-----------------|-----------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 1000 | 1000 | 1000 | 1000 | 1000 |
| Cooling capacity EN14511 - A35A50 | W | 760 | 760 | 760 | 760 | 760 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 | 400/460 - 2 - 50/60 |
| Width - Height - Depth | mm | 348 - 783 - 220 | 348 - 783 - 220 | 348 - 783 - 220 | 348 - 783 - 220 | 348 - 783 - 220 |
| Max current | A | 3 | 1.7 | 3 | 5.7 | 1.7 |
| Inrush current | A | 13.1 | 7.5 | 13.1 | 28 | 7.5 |
| T Fuse | A | 6 | 4 | 6 | 10 | 4 |
| Power draw EN14511 - A35A35 | W | 500 | 500 | 500 | 570 | 500 |
| Power draw EN14511 - A35A50 | W | 600 | 600 | 600 | 670 | 600 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 540 | 540 | 540 | 540 | 540 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C, with 3m cable and DIN rail installation kit | | | | |
| External temperature range | °C | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 4/4X | NEMA TYPE 4/4X | NEMA TYPE 4/4X |
| Noise level | dB (A) | 65 | 65 | 65 | 65 | 65 |
| Weight | kg | 27 | 29 | 27 | 27 | 29 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

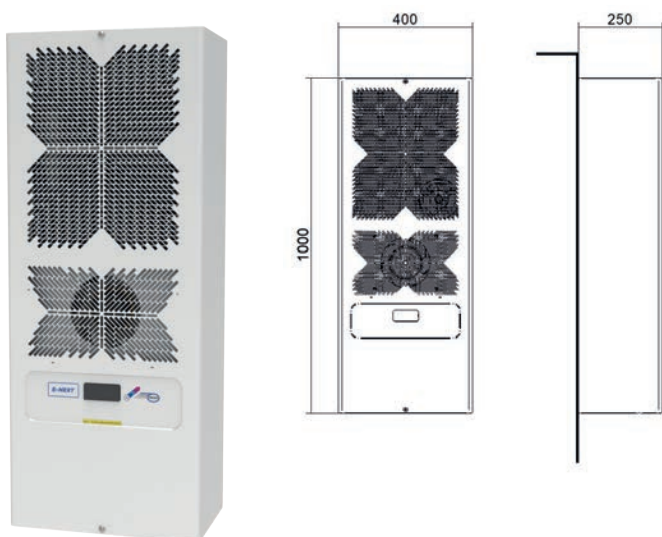
* Type 4X only in stainless steel framework version

Wall-mount air conditioners for outdoor applications

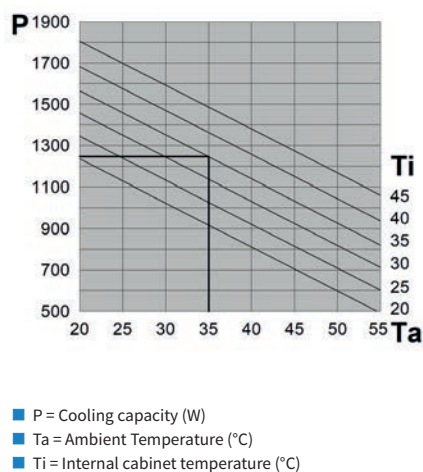
COOLING CAPACITY

1250 W

DIMENSIONS



PERFORMANCE



| Features | UoM | NOX12B0E1C00000 | NOX12K0E1C00000 | NOX12B0E1U00000 | NOX12C0E1U00000 |
|-----------------------------------|-------------------|-----------------------------------------------------------------------------------------------|---------------------|------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 1250 | 1250 | 1250 | 1250 |
| Cooling capacity EN14511 - A35A50 | W | 930 | 930 | 930 | 930 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 |
| Width - Height - Depth | mm | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 |
| Max current | A | 3.2 | 1.8 | 3.2 | 6.1 |
| Inrush current | A | 17.1 | 9.8 | 17.1 | 28 |
| T Fuse | A | 6 | 4 | 6 | 10 |
| Power draw EN14511 - A35A35 | W | 590 | 590 | 590 | 620 |
| Power draw EN14511 - A35A50 | W | 680 | 680 | 680 | 760 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 540 | 540 | 540 | 540 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C, with 3m cable and DIN rail installation kit | | | |
| External temperature range | °C | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 4/4X | NEMA TYPE 4/4X |
| Noise level | dB (A) | 65 | 65 | 65 | 65 |
| Weight | kg | 39 | 41 | 39 | 39 |
| Conformity | - | CE UK | CE UK | CE UK | CE UK |

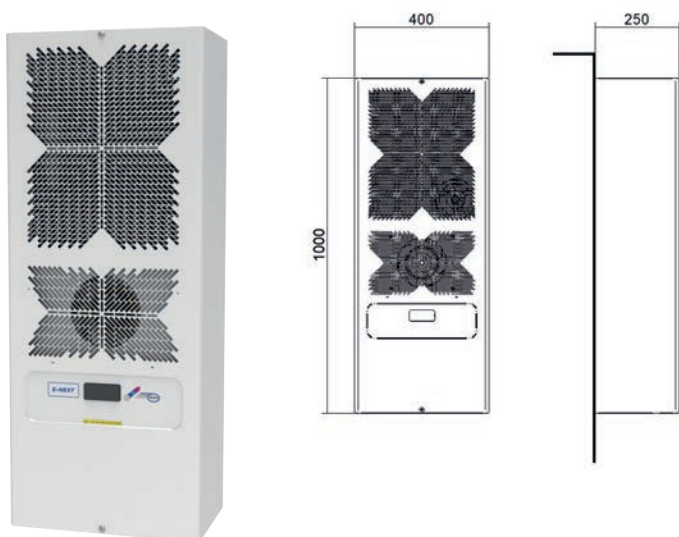
* Type 4X only in stainless steel framework version

Wall-mount air conditioners for outdoor applications

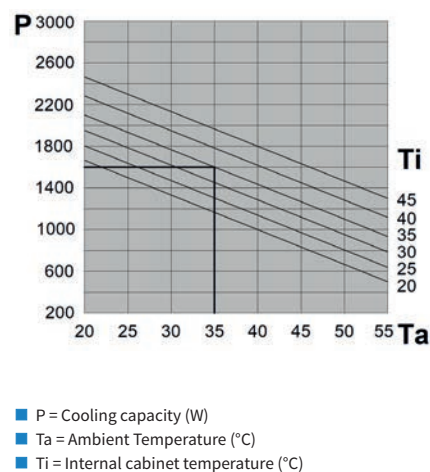
COOLING CAPACITY

1600 W

DIMENSIONS



PERFORMANCE



| Features | UoM | NOX16B0E1C00000 | NOX16K0E1C00000 | NOX16B0E1U00000 | NOX16C0E1U00000 | NOX16K0E1U00000 |
|-----------------------------------|-------------------|-----------------------------------------------------------------------------------------------|---------------------|------------------|------------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 1600 | 1600 | 1600 | 1600 | 1600 |
| Cooling capacity EN14511 - A35A50 | W | 1100 | 1100 | 1100 | 1100 | 1100 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/460 - 2 - 50/60 | 230 - 1 - 50/60 | 115 - 1 - 60 | 400/460 - 2 - 50/60 |
| Width - Height - Depth | mm | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 |
| Max current | A | 3.9 | 2.2 | 4.3 | 8.2 | 2.4 |
| Inrush current | A | 16.2 | 9.3 | 19.7 | 42 | 10.2 |
| T Fuse | A | 8 | 4 | 8 | 16 | 6 |
| Power draw EN14511 - A35A35 | W | 720 | 720 | 720 | 830 | 720 |
| Power draw EN14511 - A35A50 | W | 820 | 820 | 820 | 960 | 820 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 540 | 540 | 540 | 540 | 540 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C, with 3m cable and DIN rail installation kit | | | | |
| External temperature range | °C | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 4/4X | NEMA TYPE 4/4X | NEMA TYPE 4/4X |
| Noise level | dB (A) | 65 | 65 | 65 | 65 | 65 |
| Weight | kg | 41 | 43 | 41 | 41 | 43 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

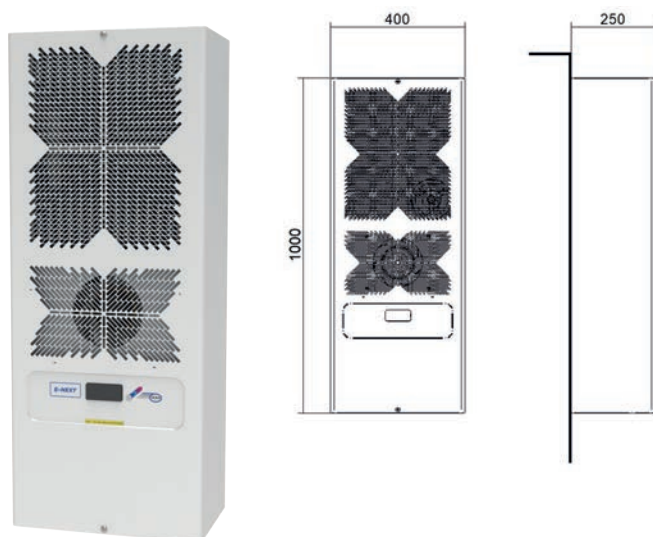
* Type 4X only in stainless steel framework version

Wall-mount air conditioners for outdoor applications

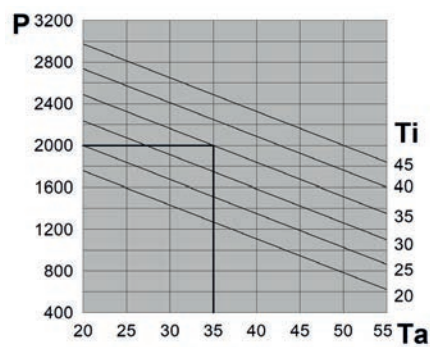
COOLING CAPACITY

2000 W

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | NOX20B0E1C00000 | NOX20H0E1C00000 | NOX20B0E1U00000 | NOX20C0E1U00000 | NOX20H0E1U00000 |
|-----------------------------------|--------|-----------------------------------------------------------------------------------------------|-------------------|------------------|------------------|-------------------|
| Cooling capacity EN14511 - A35A35 | W | 2000 | 2000 | 2000 | 2000 | 2000 |
| Cooling capacity EN14511 - A35A50 | W | 1500 | 1500 | 1500 | 1500 | 1500 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/3/50 460/3/60 | 230 - 1 - 50/60 | 115 - 1 - 60 | 400/3/50 460/3/60 |
| Width - Height - Depth | mm | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 | 400 - 1000 - 250 |
| Max current | A | 4.8 | 1.6 | 4.8 | 11.3 | 1.6 |
| Inrush current | A | 21.8 | 12 | 21.8 | 56.8 | 12 |
| T Fuse | A | 10 | 4 | 10 | 16 | 4 |
| Power draw EN14511 - A35A35 | W | 990 | 870 | 990 | 1170 | 870 |
| Power draw EN14511 - A35A50 | W | 1130 | 1050 | 1130 | 1360 | 1050 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m³/h | 540 | 540 | 540 | 540 | 540 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C, with 3m cable and DIN rail installation kit | | | | |
| External temperature range | °C | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 4/4X | NEMA TYPE 4/4X | NEMA TYPE 4/4X |
| Noise level | dB (A) | 65 | 65 | 65 | 65 | 65 |
| Weight | kg | 42 | 44 | 42 | 42 | 44 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

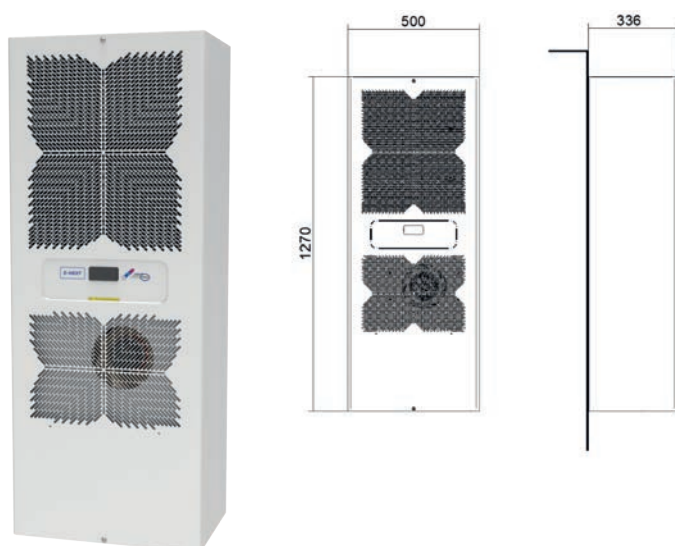
* Type 4X only in stainless steel framework version

Wall-mount air conditioners for outdoor applications

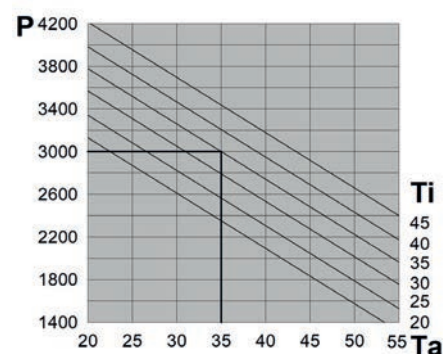
COOLING CAPACITY

3000 W

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | NOX30B0E1C00000 | NOX30H0E1C00000 | NOX30B0E1U00000 | NOX30H0E1U00000 |
|-----------------------------------|-------------------|-----------------------------------------------------------------------------------------------|---------------------|------------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 3000 | 3000 | 3000 | 3000 |
| Cooling capacity EN14511 - A35A50 | W | 2210 | 2210 | 2210 | 2210 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/3/50 - 460/3/60 | 230 - 1 - 50/60 | 400/3/50 - 460/3/60 |
| Width - Height - Depth | mm | 500 - 1270 - 336 | 500 - 1270 - 336 | 500 - 1270 - 336 | 500 - 1270 - 336 |
| Max current | A | 5.2 | 2.4 | 5.2 | 2.4 |
| Inrush current | A | 35 | 20 | 35 | 20 |
| T Fuse | A | 10 | 6 | 10 | 6 |
| Power draw EN14511 - A35A35 | W | 1190 | 1140 | 1190 | 1140 |
| Power draw EN14511 - A35A50 | W | 1380 | 1350 | 1380 | 1350 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 1500 | 1500 | 1500 | 1500 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C, with 3m cable and DIN rail installation kit | | | |
| External temperature range | °C | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 4/4X | NEMA TYPE 4/4X |
| Noise level | dB (A) | 70 | 70 | 70 | 70 |
| Weight | kg | 66 | 70 | 66 | 70 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

* Type 4X only in stainless steel framework version

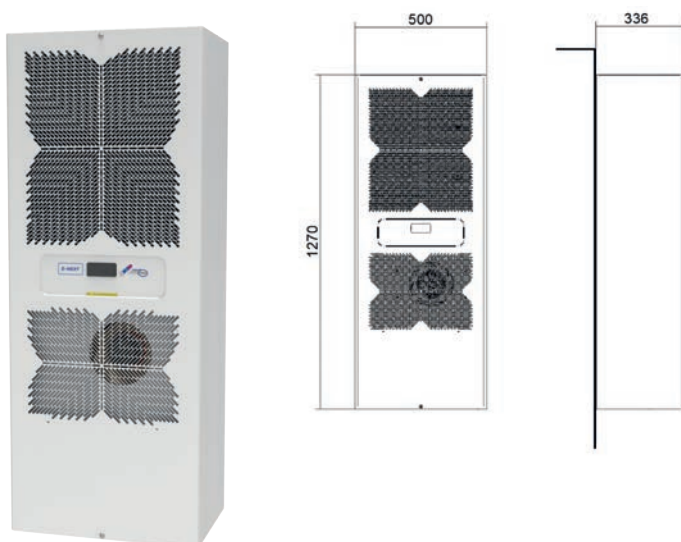
NOX40

Wall-mount air conditioners for outdoor applications

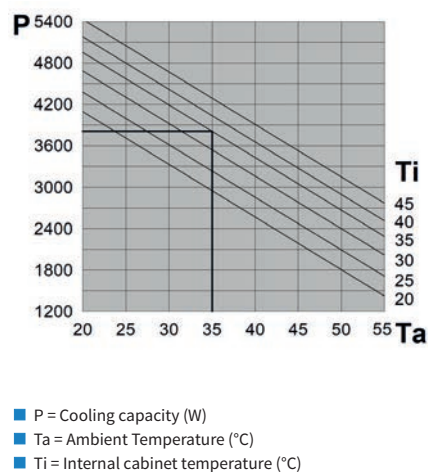
COOLING CAPACITY

3850 W

DIMENSIONS



PERFORMANCE



| Features | UoM | NOX40B0E1C00000 | NOX40H0E1C00000 | NOX40B0E1U00000 | NOX40H0E1U00000 |
|-----------------------------------|-------------------|-----------------------------------------------------------------------------------------------|---------------------|------------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 3850 | 3850 | 3850 | 3850 |
| Cooling capacity EN14511 - A35A50 | W | 2650 | 2650 | 2650 | 2650 |
| Power supply | V ~ Hz | 230 - 1 - 50/60 | 400/3/50 - 460/3/60 | 230 - 1 - 50/60 | 400/3/50 - 460/3/60 |
| Width - Height - Depth | mm | 500 - 1270 - 336 | 500 - 1270 - 336 | 500 - 1270 - 336 | 500 - 1270 - 336 |
| Max current | A | 7.8 | 3.1 | 7.8 | 3.6 |
| Inrush current | A | 37 | 16 | 37 | 18 |
| T Fuse | A | 16 | 6 | 16 | 8 |
| Power draw EN14511 - A35A35 | W | 1670 | 1580 | 1670 | 1780 |
| Power draw EN14511 - A35A50 | W | 1980 | 1920 | 1980 | 2050 |
| Electrical connection | - | 4-pin plug | 4-pin plug | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 1500 | 1500 | 1500 | 1500 |
| Internal temperature range | °C | 20-45 | 20-45 | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C, with 3m cable and DIN rail installation kit | | | |
| External temperature range | °C | -20 - +55 | -20 - +55 | -20 - +55 | -20 - +55 |
| Ingress protection - cabinet side | - | IP55 | IP55 | NEMA TYPE 4/4X | NEMA TYPE 4/4X |
| Noise level | dB (A) | 70 | 70 | 70 | 70 |
| Weight | kg | 70 | 74 | 70 | 74 |
| Conformity | - | CE UK CA | CE UK CA | CE UK CA | CE UK CA |

* Type 4X only in stainless steel framework version

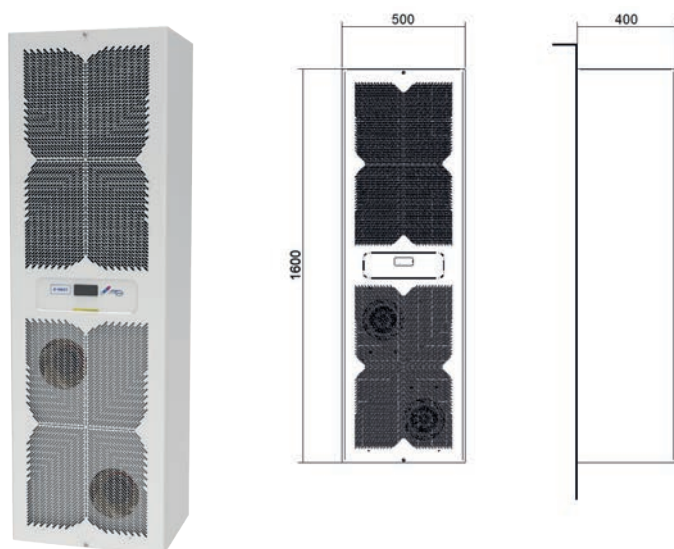
NOX60

Wall-mount air conditioners for outdoor applications

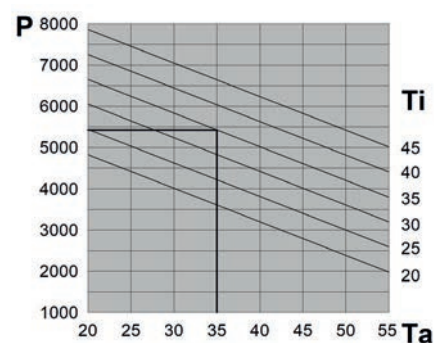
COOLING CAPACITY

5400 W

DIMENSIONS



PERFORMANCE



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

| Features | UoM | NOX60H0E1C00000 | NOX60H0E1U00000 |
|-----------------------------------|-------------------|-----------------------------------------------------------------------------------------------|---------------------|
| Cooling capacity EN14511 - A35A35 | W | 5400 | 5400 |
| Cooling capacity EN14511 - A35A50 | W | 4200 | 4200 |
| Power supply | V ~ Hz | 400/3/50 - 460/3/60 | 400/3/50 - 460/3/60 |
| Width - Height - Depth | mm | 500 - 1600 - 400 | 500 - 1600 - 400 |
| Max current | A | 3.7 | 3.7 |
| Inrush current | A | 32 | 32 |
| T Fuse | A | 8 | 8 |
| Power draw EN14511 - A35A35 | W | 1950 | 1950 |
| Power draw EN14511 - A35A50 | W | 2470 | 2470 |
| Electrical connection | - | 4-pin plug | 4-pin plug |
| Cabinet air fan capacity | m ³ /h | 1500 | 1500 |
| Internal temperature range | °C | 20-45 | 20-45 |
| Temperature regulation | - | Electronic thermostat TX-i40 factory set to 35°C, with 3m cable and DIN rail installation kit | |
| External temperature range | °C | -20 - +55 | -20 - +55 |
| Ingress protection - cabinet side | - | IP55 | NEMA TYPE 4/4X |
| Noise level | dB (A) | 72 | 72 |
| Weight | kg | 104 | 104 |
| Conformity | - | CE UK CA | CE UK CA |

* Type 4X only in stainless steel framework version



EMO

Wall-mount air conditioners for outdoor application

REGULATION AND SAFETY DEVICES

EMO air conditioning systems are equipped with electromechanical thermostatic regulation which guarantees maximum reliability even in extreme conditions. The refrigeration circuit is protected by low- and high-pressure safety pressure switches with automatic rearming. A fixed calibration pressure switch with ON/OFF contact manages the condensing fan.

QUICK INSTALLATION

Installation is made quick by the simplicity of the drilling to be performed on the cabinet panel.

REDUCED MAINTENANCE

All units are designed to prevent clogging by solid contaminants present in the ambient air. The condensing coils are protected by a cataphoresis treatment which prevents fouling and corrosion.

OPERATING TEMPERATURE

The possible operating temperatures range from -20 to +55°C. The temperature inside the cabinet can be adjusted from +20 to +46°C (the air conditioner is factory set to +35°C).

OPTIONAL ACCESSORIES

EMO air conditioners offer various optional accessories:

- stainless-steel framework
- evaporating fan with separate 48VDC power supply
- tamper-resistant screw kit for front casing closure
- high temperature alarm warning
- common high/low pressure alarm



Wall-mount air conditioners for outdoor application

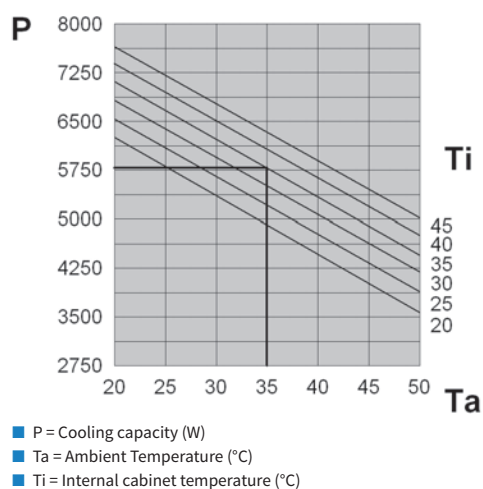
COOLING CAPACITY

5800 - 6050 W

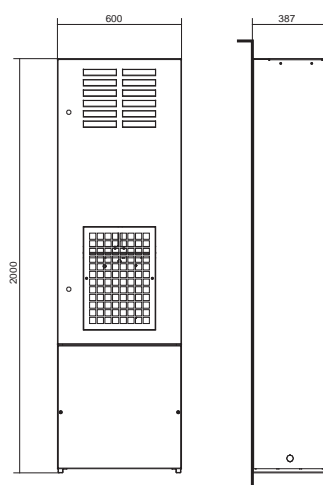


| Features | UoM | EMO60MMEB | EMO60NMEB |
|-------------------------------------------|-------------------|---------------------------------------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 5800 | 6050 |
| Cooling capacity EN14511 - A35A50 | W | 4350 | 4530 |
| Power supply | V ~ Hz | 400 3~ 50 | 460 3~ 60 |
| Width - Height - Depth | mm | 600 - 2000 - 387 | 600 - 2000 - 387 |
| Max current | A | 5.9 | 6.8 |
| Inrush current | A | 21.7 | 23.5 |
| T Fuse | A | 8 | 8 |
| Power draw EN14511 - A35A35 | W | 2340 | 2920 |
| Power draw EN14511 - A35A50 | W | 3880 | 4520 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| R407C Refrigerant | kg | 1.8 | 1.8 |
| Cabinet air fan capacity | m ³ /h | 1450 | 1450 |
| Internal temperature range | °C | +20 - +45 | +20 - +45 |
| Temperature regulation | - | Electromechanical thermostat, factory set to 35°C | |
| External temperature range | °C | -20 - +50 | -20 - +50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 |
| Noise level | dB (A) | 72 | 72 |
| Weight | kg | 150 | 150 |
| Conformity | - | CE | CE |

PERFORMANCE (EMO60MMEB)



DIMENSIONS



Wall-mount air conditioners for outdoor application

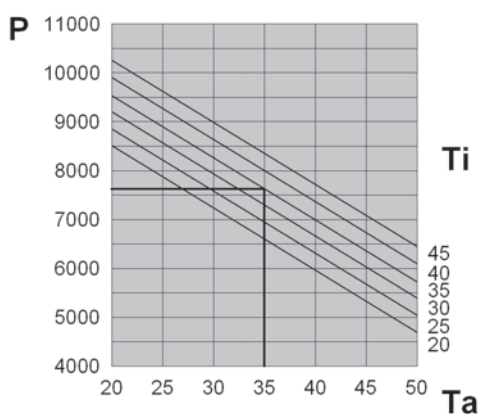
COOLING CAPACITY

7600 - 7950 W



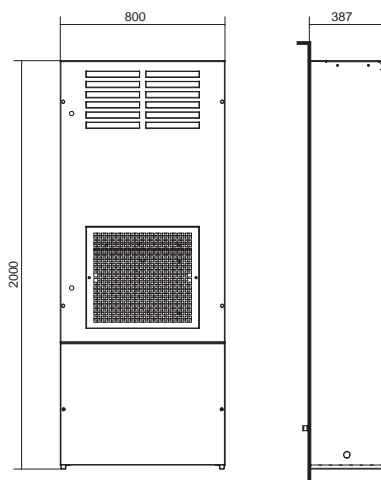
| Features | UoM | EMO80MMEB | EMO80NMEB |
|-------------------------------------------|--------|---------------------------------------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 7600 | 7950 |
| Cooling capacity EN14511 - A35A50 | W | 5700 | 5930 |
| Power supply | V ~ Hz | 400 3~ 50 | 460 3~ 60 |
| Width - Height - Depth | mm | 800 - 2000 - 387 | 800 - 2000 - 387 |
| Max current | A | 8.1 | 9.3 |
| Inrush current | A | 30.7 | 32.5 |
| T Fuse | A | 16 | 16 |
| Power draw EN14511 - A35A35 | W | 3300 | 4035 |
| Power draw EN14511 - A35A50 | W | 4910 | 5845 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| R134a Refrigerant | kg | 2.8 | 2.8 |
| Cabinet air fan capacity | m³/h | 2900 | 2900 |
| Internal temperature range | °C | +20 - +45 | +20 - +45 |
| Temperature regulation | - | Electromechanical thermostat, factory set to 35°C | |
| External temperature range | °C | -20 - +50 | -20 - +50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 |
| Noise level | dB (A) | 75 | 75 |
| Weight | kg | 160 | 160 |
| Conformity | - | CE | CE |

PERFORMANCE (EMO80MMEB)



- P = Cooling capacity (W)
- Ta = Ambient Temperature (°C)
- Ti = Internal cabinet temperature (°C)

DIMENSIONS



Wall-mount air conditioners for outdoor application

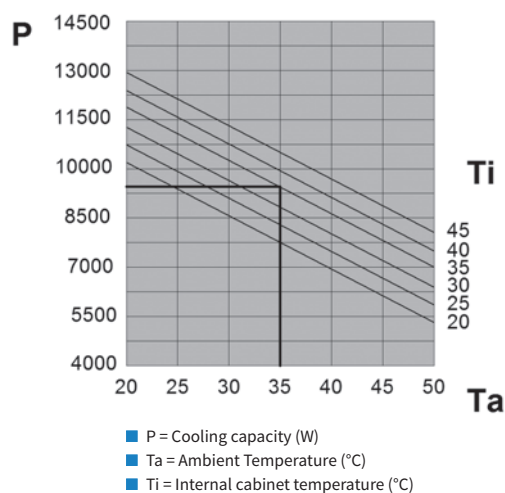
COOLING CAPACITY

9400 - 9850 W

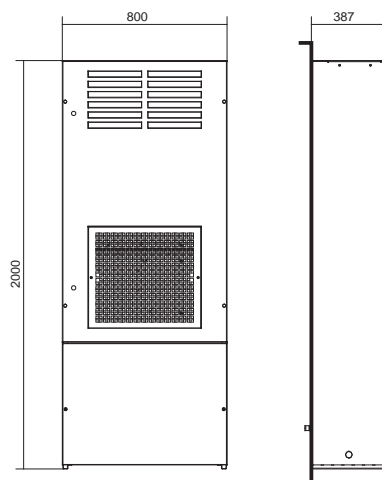

| Features | UoM | EMOA0MMEB | EMOA0NMEB |
|-------------------------------------------|-------------------|---------------------------------------------------|------------------|
| Cooling capacity EN14511 - A35A35 | W | 9400 | 9850 |
| Cooling capacity EN14511 - A35A50 | W | 7000 | 7350 |
| Power supply | V ~ Hz | 400 3~ 50 | 460 3~ 60 |
| Width - Height - Depth | mm | 800 - 2000 - 387 | 800 - 2000 - 387 |
| Max current | A | 9.1 | 10.3 |
| Inrush current | A | 30.7 | 32.5 |
| T Fuse | A | 18 | 18 |
| Power draw EN14511 - A35A35 | W | 3650 | 4380 |
| Power draw EN14511 -A35A50 | W | 5400 | 6340 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| R134a Refrigerant | kg | 2.3 | 2.3 |
| Cabinet air fan capacity | m ³ /h | 2900 | 2900 |
| Internal temperature range | °C | +20 - +45 | +20 - +45 |
| Temperature regulation | - | Electromechanical thermostat, factory set to 35°C | |
| External temperature range | °C | -20 - +50 | -20 - +50 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 |
| Noise level | dB (A) | 77 | 77 |
| Weight | kg | 180 | 180 |
| Conformity | - | CE | CE |

* IP54 rated exterior electrical connections

PERFORMANCE (EMOA0MMEB)



DIMENSIONS



FILTERS



| Models | Item code | Quantity per pack |
|----------|-----------|-------------------|
| EMO60 | C15000175 | 5 |
| EMO80-A0 | C15000188 | 5 |

AAEFP/AADFP

PU foam filter for air conditioners

Texa industries **air conditioners** are designed not to require maintenance and are supplied without filters for the external air intake. However, when the ambient air is particularly contaminated by oily aerosols or particles, users can choose to insert a filter in the space provided at the rear of the intake grille. These filters are made from an alveolar polyurethane foam with highly stable mechanical and chemical properties.



| Models | Item code | Quantity per pack |
|----------|-----------|-------------------|
| EMO60 | C15000176 | 1 |
| EMO80-A0 | C15000189 | 1 |

AAEFM/AADFM

Regenerable air filters for air conditioners

In extreme environmental conditions, the air conditioners can be fitted with metal air filters. They provide less efficient filtration than the PU foam filters, but have the advantage that they are regenerable. They can be cleaned with degreaser and reused as many times as the user wishes.

They are made from an aluminium mesh.

BLU-BIT

Air-water heat exchangers for door/wall and roof installation

High cooling power capacities with reduced unit sizes, completely free from scheduled maintenance. These are the main features of the BLU-BIT range, the best choice of air conditioner when working in extreme temperature environments with dust and oil contamination.

WIDE RANGE OF POWER OUTPUTS

The range of cooling power outputs ranges from 1000 to 25000 W for the vertical range, while the roof range is represented by a 2500 W model.

NO SCHEDULED MAINTENANCE

The special layout of these machines means they do not require regular/scheduled maintenance (replacement of filters or cleaning of the heat exchanger) to guarantee full operation.

OPTIMISED PROTECTION OF THE CABINET

BLU/BIT heat exchangers, thanks to their innovative design combined with the correct application of the self-adhesive sealing gasket, guarantees IP55 ingress protection (EN 60529), meaning they are ideal for particularly contaminated outdoor environments.

ACCESSORIES

In order to optimise the heat exchange on the basis of the temperature required inside the enclosure and allow correct condensate management, thermostats can be incorporated to control an ON/OFF solenoid valve which will allow or inhibit the water flow.

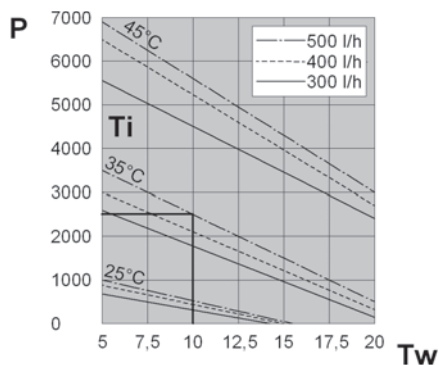


Air-water heat exchangers for roof installation

COOLING CAPACITY 2500 W

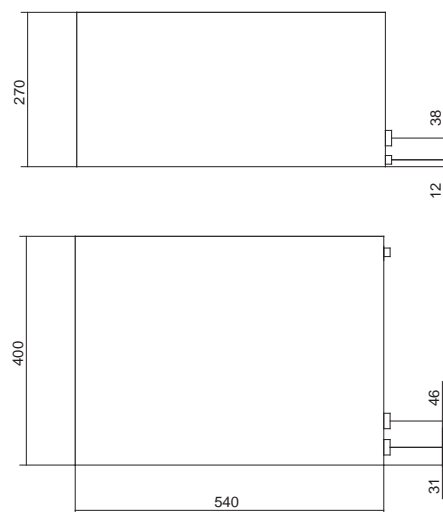


PERFORMANCE



- P = Cooling capacity (W)
- Tw = Water inlet temperature (°C)
- Ti = Internal cabinet temperature (°C)

DIMENSIONS

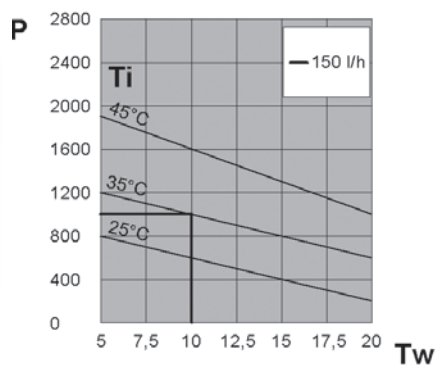


| Features | UoM | BIT25BX0B | BIT25CX0B |
|-----------------------------|--------|-----------------|-----------------|
| Cooling capacity - W10A35 | W | 2500 | 2500 |
| Water flow rate | l/h | 500 | 500 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 400 - 270 - 540 | 400 - 270 - 540 |
| Max current | A | 0.30 | 0.62 |
| T Fuse | A | 2 | 2 |
| Power draw - W10A35 | W | 65 | 67 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| Max liquid circuit pressure | bar | 10 | 10 |
| Water connection | - | 1/2"G | 1/2"G |
| Air flow rate | m³/h | 750 | 750 |
| Internal temperature range | °C | 20-60 | 20-60 |
| External temperature range | °C | 1-70 | 1-70 |
| IP rating EN60529 | - | IP55 | IP55 |
| Noise level | dB (A) | 58 | 58 |
| Weight | kg | 19 | 19 |
| Conformity | - | CE | CE |
| Pressure drops | Bar | 0.3 | 0.3 |

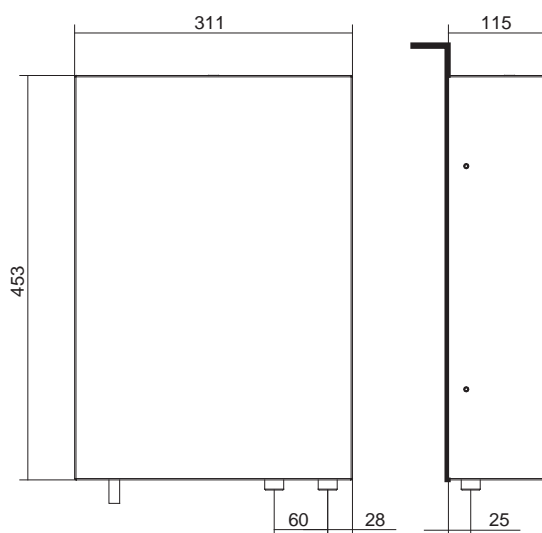
COOLING CAPACITY 1000 W




PERFORMANCE



DIMENSIONS



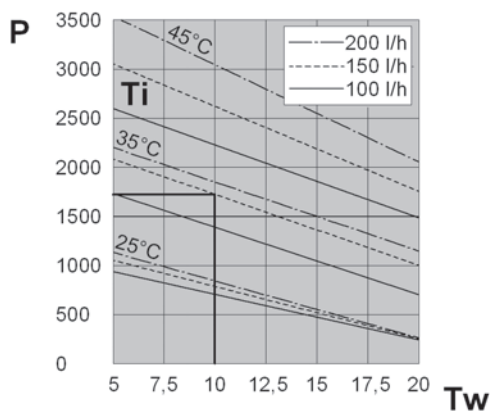
| Features | UoM | BLU10BX0B | BLU10BXUB | BLU10CX0B |
|-----------------------------|--------|-----------------|---------------------------------------------------------------------------------------------|-----------------|
| Cooling capacity - W10A35 | W | 1000 | 1000 | 1000 |
| Water flow rate | l/h | 150 | 150 | 150 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 311 - 453 - 115 | 311 - 453 - 115 | 311 - 453 - 115 |
| Max current | A | 0.17 | 0.20 | 0.38 |
| T Fuse | A | 2 | 2 | 2 |
| Power draw - W10A35 | W | 29 | 34 | 25 |
| Electrical connection | | Cable L = 3 m | Cable L = 3 m | Cable L = 3 m |
| Max liquid circuit pressure | bar | 10 | 10 | 10 |
| Water connection | - | 3/8"G | 3/8"G | 3/8"G |
| Air flow rate | m³/h | 330 | 330 | 330 |
| Internal temperature range | °C | 20-60 | 20-60 | 20-60 |
| External temperature range | °C | 1-70 | 1-60 | 1-70 |
| IP rating EN60529 | - | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 55 | 55 | 55 |
| Weight | kg | 12 | 12 | 12 |
| Conformity | - | CE | CE  US | CE |
| Pressure drops | Bar | 0.1 | 0.1 | 0.1 |

Air-water heat exchangers for door or wall installation

COOLING CAPACITY 1750 W

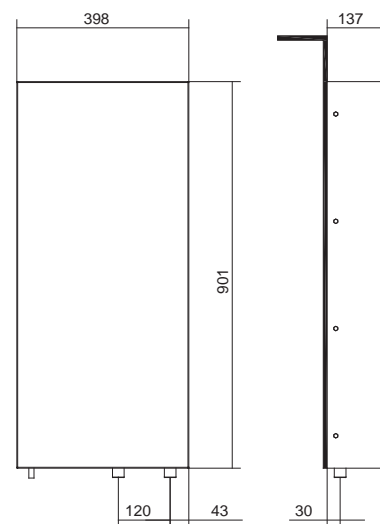



PERFORMANCE



- P = Cooling capacity (W)
- Tw = Water inlet temperature (°C)
- Ti = Internal cabinet temperature (°C)

DIMENSIONS



| Features | UoM | BLU18BX0B | BLU18BXUB | BLU18CX0B |
|-----------------------------|--------|-----------------|------------------------------------------------------------------------------------------|-----------------|
| Cooling capacity - W10A35 | W | 1750 | 1750 | 1750 |
| Water flow rate | l/h | 150 | 150 | 150 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 398 - 901 - 137 | 398 - 901 - 137 | 398 - 901 - 137 |
| Max current | A | 0.36 | 0.30 | 0.76 |
| T Fuse | A | 2 | 2 | 2 |
| Power draw - W10A35 | W | 75 | 60 | 77 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m | Cable L = 3 m |
| Max liquid circuit pressure | bar | 10 | 10 | 10 |
| Water connection | - | 1/2" G | 1/2" G | 1/2" G |
| Air flow rate | m³/h | 570 | 570 | 570 |
| Internal temperature range | °C | 20-60 | 20-60 | 20-60 |
| External temperature range | °C | 1-70 | 1-60 | 1-70 |
| IP rating EN60529 | - | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 58 | 58 | 58 |
| Weight | kg | 18 | 18 | 18 |
| Conformity | - | CE | CE  | CE |
| Pressure drops | Bar | 0.1 | 0.1 | 0.1 |

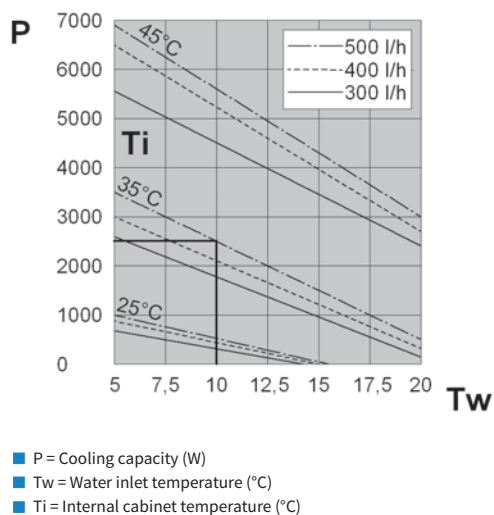
BLU25

Air-water heat exchangers for door or wall installation

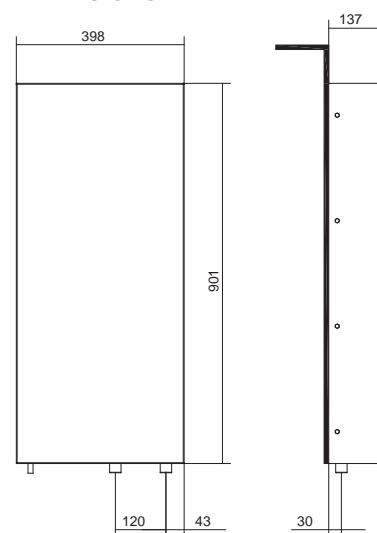
COOLING CAPACITY 2500 W




PERFORMANCE



DIMENSIONS



| Features | UoM | BLU25BX0B | BLU25BXUB | BLU25CX0B |
|-----------------------------|-------------------|-----------------|-----------------------------------------------------------------------------------------|-----------------|
| Cooling capacity - W10A35 | W | 2500 | 2500 | 2500 |
| Water flow rate | l/h | 500 | 500 | 500 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 398 - 901 - 137 | 398 - 901 - 137 | 398 - 901 - 137 |
| Max current | A | 0.33 | 0.60 | 0.74 |
| T Fuse | A | 2 | 2 | 2 |
| Power draw - W10A35 | W | 80 | 100 | 82 |
| Electrical connection | | Cable L = 3 m | Cable L = 3 m | Cable L = 3 m |
| Max liquid circuit pressure | bar | 10 | 10 | 10 |
| Water connection | - | 1/2"G | 1/2"G | 1/2"G |
| Air flow rate | m ³ /h | 860 | 860 | 860 |
| Internal temperature range | °C | 20-60 | 20-60 | 20-60 |
| External temperature range | °C | 1-70 | 1-60 | 1-70 |
| IP rating EN60529 | - | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 58 | 58 | 58 |
| Weight | kg | 19 | 19 | 19 |
| Conformity | - | CE | CE  | CE |
| Pressure drops | Bar | 0.3 | 0.3 | 0.3 |

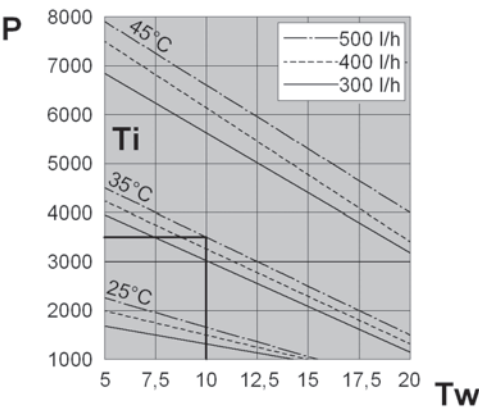
BLU35

Air-water heat exchangers for door or wall installation

COOLING CAPACITY 3500 W

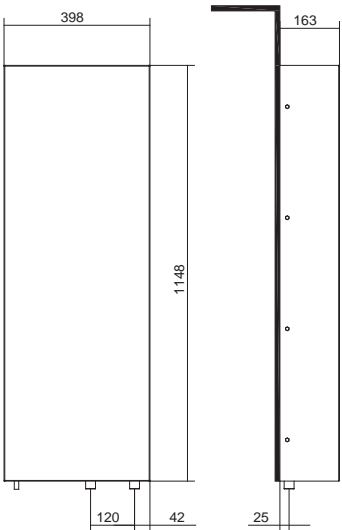



PERFORMANCE



- P = Cooling capacity (W)
- Tw = Water inlet temperature (°C)
- Ti = Internal cabinet temperature (°C)

DIMENSIONS



| Features | UoM | BLU35BX0B | BLU35BXUB | BLU35CX0B |
|-----------------------------|--------|-----------------|------------------------------------------------------------------------------------------|------------------|
| Cooling capacity - W10A35 | W | 3500 | 3500 | 3500 |
| Water flow rate | l/h | 500 | 500 | 500 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 398- 1148 - 163 | 398 - 1148 - 163 | 398 - 1148 - 163 |
| Max current | A | 0.55 | 0.80 | 1.12 |
| T Fuse | A | 2 | 2 | 2 |
| Power draw - W10A35 | W | 130 | 140 | 135 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m | Cable L = 3 m |
| Max liquid circuit pressure | bar | 10 | 10 | 10 |
| Water connection | - | 1/2"G | 1/2"G | 1/2"G |
| Air flow rate | m³/h | 1050 | 1050 | 1050 |
| Internal temperature range | °C | 20-60 | 20-60 | 20-60 |
| External temperature range | °C | 1-70 | 1-60 | 1-70 |
| IP rating EN60529 | - | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 64 | 64 | 64 |
| Weight | kg | 29 | 29 | 29 |
| Conformity | - | CE | CE  | CE |
| Pressure drops | Bar | 0.2 | 0.2 | 0.2 |

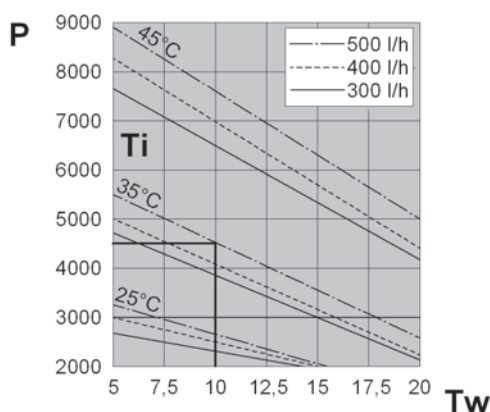
BLU45

Air-water heat exchangers for door or wall installation

COOLING CAPACITY 4500 W

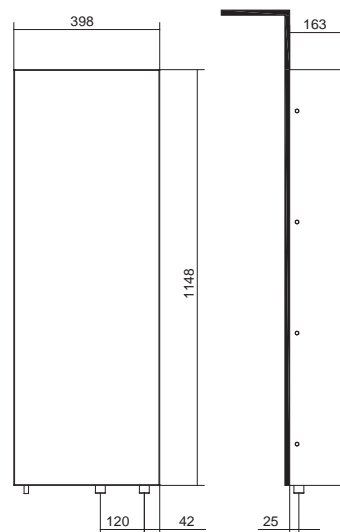


PERFORMANCE



- P = Cooling capacity (W)
- Tw = Water inlet temperature (°C)
- Ti = Internal cabinet temperature (°C)

DIMENSIONS

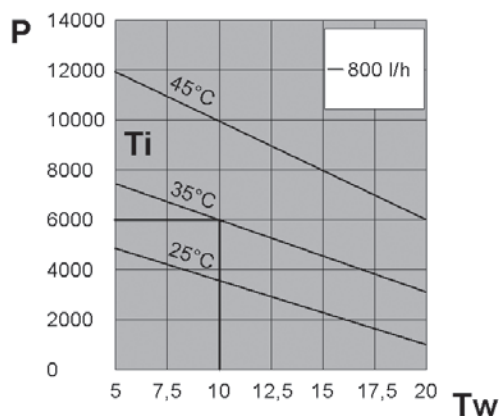


| Features | UoM | BLU45BX0B | BLU45BXUB | BLU45CX0B |
|-----------------------------|--------|-----------------|------------------|------------------|
| Cooling capacity - W10A35 | W | 4500 | 4500 | 4500 |
| Water flow rate | l/h | 500 | 500 | 500 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 398 - 148 - 163 | 398 - 1148 - 163 | 398 - 1148 - 163 |
| Max current | A | 0.71 | 1.20 | 1.50 |
| T Fuse | A | 2 | 4 | 4 |
| Power draw - W10A35 | W | 160 | 220 | 170 |
| Electrical connection | | Cable L = 3 m | Cable L = 3 m | Cable L = 3 m |
| Max liquid circuit pressure | bar | 10 | 10 | 10 |
| Water connection | - | 1/2"G | 1/2"G | 1/2"G |
| Air flow rate | m³/h | 1450 | 1450 | 1450 |
| Internal temperature range | °C | 20-60 | 20-60 | 20-60 |
| External temperature range | °C | 1-70 | 1-60 | 1-70 |
| IP rating EN60529 | - | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 69 | 69 | 69 |
| Weight | kg | 30 | 30 | 30 |
| Conformity | - | CE | CE c RU US | CE |
| Pressure drops | Bar | 0.2 | 0.2 | 0.2 |

Air-water heat exchangers for door or wall installation

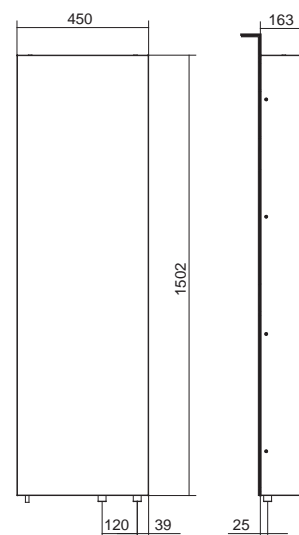
COOLING CAPACITY 6000 W



PERFORMANCE



- P = Cooling capacity (W)
- Tw = Water inlet temperature (°C)
- Ti = Internal cabinet temperature (°C)

DIMENSIONS



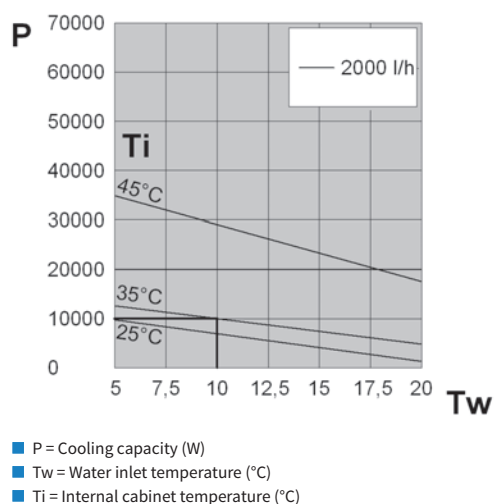
| Features | UoM | BLU60BX0B | BLU60BXUB | BLU60CX0B | BLU60GX0B |
|-------------------------------------------|-------------------|------------------|-----------------------------------------------------------------------------------------|------------------|------------------|
| Cooling capacity - W10A35 | W | 6000 | 6000 | 6000 | 6000 |
| Water flow rate | l/h | 800 | 800 | 800 | 800 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 | 400/440 2~ 50-60 |
| Width - Height - Depth | mm | 450 - 1502 - 163 | 450 - 1502 - 163 | 450 - 1502 - 163 | 450 - 1502 - 163 |
| Max current | A | 0.71 | 1.20 | 1.50 | 0.40 |
| T Fuse | A | 2 | 4 | 4 | 1 |
| Power draw - W10A35 | W | 160 | 220 | 170 | 170 |
| Electrical connection | | Cable L = 3 m | Cable L = 3 m | Cable L = 3 m | Cable L = 3 m |
| Max liquid circuit pressure | bar | 10 | 10 | 10 | 10 |
| Water connection | m ³ /h | 1/2"G | 1/2"G | 1/2"G | 1/2"G |
| Air flow rate | - | 1450 | 1450 | 1450 | 1450 |
| Internal temperature range | °C | 20-60 | 20-60 | 20-60 | 20-60 |
| External temperature range | °C | 1-70 | 1-60 | 1-70 | 1-70 |
| EN60529 ingress protection - cabinet side | - | IP55 | IP55 | IP55 | IP55 |
| Noise level | dB (A) | 69 | 69 | 69 | 69 |
| Weight | kg | 40 | 40 | 40 | 42 |
| Conformity | - | CE | CE  | CE | CE |
| Pressure drops | Bar | 0.5 | 0.5 | 0.5 | 0.5 |

Air-water heat exchangers for door or wall installation

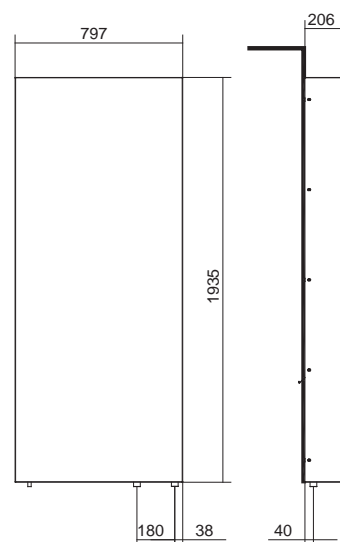
COOLING CAPACITY 10000 W



PERFORMANCE



DIMENSIONS



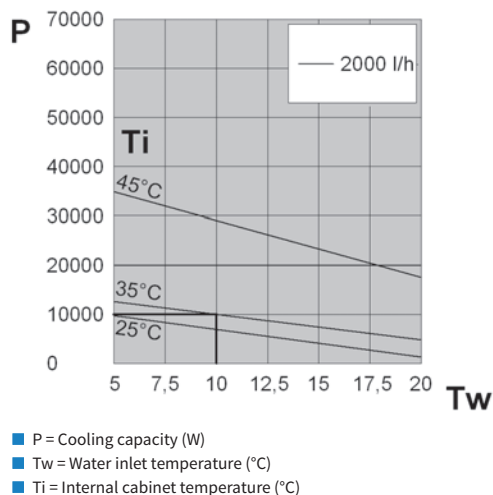
| Features | UoM | BLUA0BX0B | BLUA0GX0B |
|-----------------------------|--------|------------------|------------------|
| Cooling capacity - W10A35 | W | 10000 | 10000 |
| Water flow rate | l/h | 2000 | 2000 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 400/440 2~ 50-60 |
| Width - Height - Depth | mm | 797 - 1935 - 206 | 797 - 1935 - 206 |
| Max current | A | 1.90 | 1.10 |
| T Fuse | A | 4 | 2 |
| Power draw - W10A35 | W | 420 | 440 |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| Max liquid circuit pressure | bar | 10 | 10 |
| Water connection | - | 3/4"G | 3/4"G |
| Air flow rate | m³/h | 2900 | 2900 |
| Internal temperature range | °C | 20-60 | 20-60 |
| External temperature range | °C | 1-70 | 1-70 |
| IP rating EN60529 | - | IP55 | IP55 |
| Noise level | dB (A) | 70 | 70 |
| Weight | kg | 90 | 90 |
| Conformity | - | CE | CE |
| Pressure drops | Bar | 1.5 | 1.5 |

Air-water heat exchangers for door or wall installation

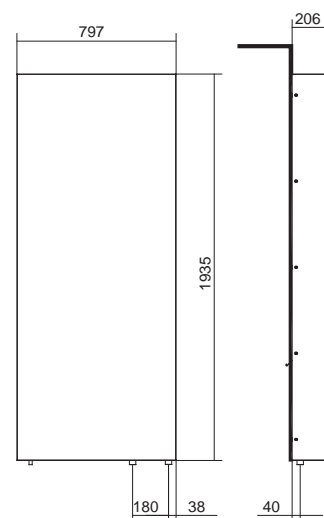
COOLING CAPACITY 15000 W



PERFORMANCE



DIMENSIONS

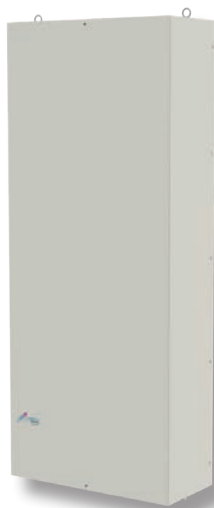


| Features | UoM | BLUA5BX0B | BLUA5GX0B |
|-----------------------------|-------------------|------------------|------------------|
| Cooling capacity - W10A35 | W | 15000 | 15000 |
| Water capacity | l/h | 2000 | 2000 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 400/440 2~ 50-60 |
| Width - Height - Depth | mm | 797 - 1935 - 206 | 797 - 1935 - 206 |
| Max current | A | 1.40 | 0.90 |
| T Fuse | A | 4 | 2 |
| Power draw - W10A35 | W | 320 | 340 |
| Operating cycle | - | 100% | 100% |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| Type of Refrigerant | - | Water | Water |
| Max liquid circuit pressure | bar | 10 | 10 |
| Water connection | - | 3/4"G | 3/4"G |
| Air flow rate | m ³ /h | 2900 | 2900 |
| Internal temperature range | °C | 20-60 | 20-60 |
| External temperature range | °C | 1-70 | 1-70 |
| IP rating EN60529 | - | IP55 | IP55 |
| Noise level | dB (A) | 72 | 70 |
| Weight | kg | 92 | 92 |
| Conformity | - | CE | CE |
| Pressure drops | Bar | 1.8 | 1.8 |

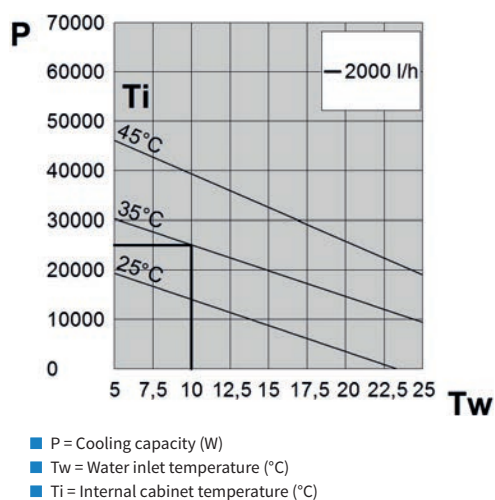
BLUB5

Air-water heat exchangers for door or wall installation

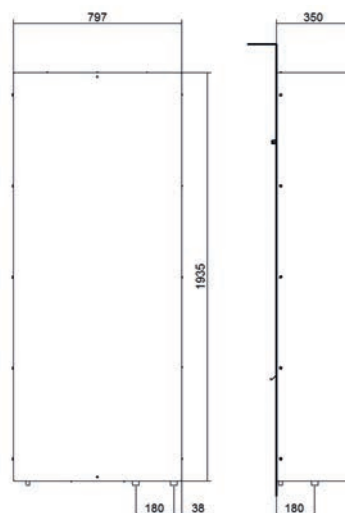
COOLING CAPACITY 25000 W



PERFORMANCE



DIMENSIONS



| Features | UoM | BLUB5BX0B | BLUB5KX0B |
|-----------------------------|--------|------------------|------------------|
| Cooling capacity - W10A35 | W | 25000 | 25000 |
| Water flow rate | l/h | 2000 | 2000 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 400/460 2~ 50-60 |
| Width - Height - Depth | mm | 797 - 1935 - 350 | 797- 1935 - 350 |
| Max current | A | 2.20 | 1.30 |
| T Fuse | A | 4 | 2 |
| Power draw - W10A35 | W | 500 | 530 |
| Operating cycle | - | 100% | 100% |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| Type of Refrigerant | - | Water | Water |
| Max liquid circuit pressure | bar | 10 | 10 |
| Water connection | - | 3/4"G | 3/4"G |
| Air flow rate | m³/h | 5200 | 5200 |
| Internal temperature range | °C | 20-60 | 20-60 |
| External temperature range | °C | 1-70 | 1-70 |
| IP rating EN60529 | - | IP55 | IP55 |
| Noise level | dB (A) | 75 | 75 |
| Weight | kg | 120 | 120 |
| Conformity | - | CE | CE |
| Pressure drops | Bar | 2.0 | 2.0 |

MIX

Air-air heat exchangers

High heat exchange efficiency and compact size. The MIX range is the most cost-effective solution for cooling cabinets in favourable ambient conditions.

WIDE RANGE OF SPECIFIC POWER OUTPUTS

The specific thermal power outputs range from 22 to 80 W/K.

FLEXIBILITY AND SPEED OF INSTALLATION

All heat exchangers in the MIX range can be installed both inside and outside the cabinet as both a rear exit and a side exit for electrical connections is provided for.

FAST, REDUCED MAINTENANCE

MIX heat exchangers are equipped with heat exchange coils which prevent clogging by solid contaminants present in the air and which maintain high thermal exchange efficiency even in demanding environmental conditions, minimising maintenance requirements. The remaining maintenance required has been designed to allow easy removal both of the fans and the heat exchanger coil to ensure quick and safe operations.

MAXIMUM HEAT REMOVAL

Air intake from the upper part of the cabinet, countercurrent flows and high-efficiency heat exchanger surfaces determine the most rational implementation for these products which result in the removal of the maximum amount of heat.

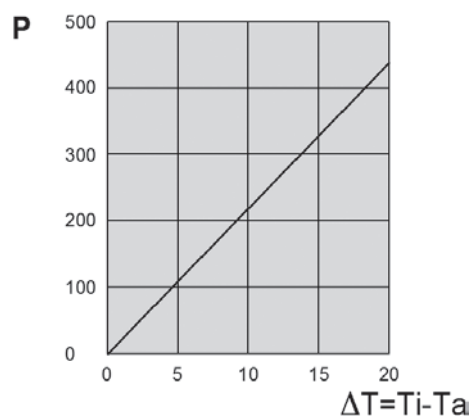


Air-air heat exchangers

SPECIFIC COOLING POWER 22 W/K

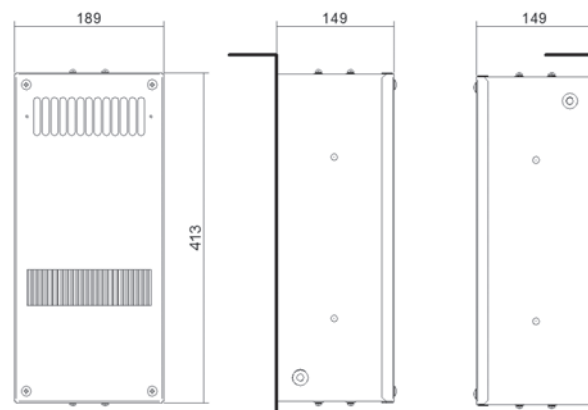


PERFORMANCE



- P = Heating capacity (W)
- ΔT = Temperature differential (T_i-T_a) (K)

DIMENSIONS



| Features | UoM | MIX22BX0B | MIX22CX0B |
|-------------------------------------------|-------------------|-----------------|-----------------|
| Specific cooling power | W/K | 22 | 22 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 189 - 413 - 149 | 189 - 413 - 149 |
| Max current | A | 0.5 | 0.96 |
| T Fuse | A | 1 | 2 |
| Power draw | W | 72 | 80 |
| Operating cycle | - | 100% | 100% |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| External air fan capacity | m ³ /h | 280 | 280 |
| Cabinet air fan capacity | m ³ /h | 280 | 280 |
| Temperature limits | °C | -5+55 | -5+55 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 |
| Noise level | dB (A) | 59 | 60 |
| Weight | kg | 7 | 7 |
| Conformity | - | CE | CE |

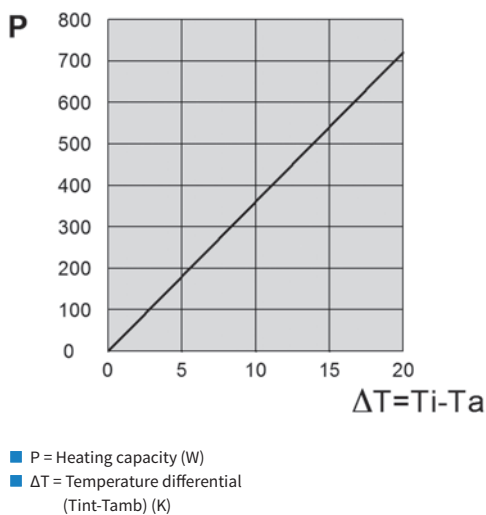
MIX36

Air-air heat exchangers

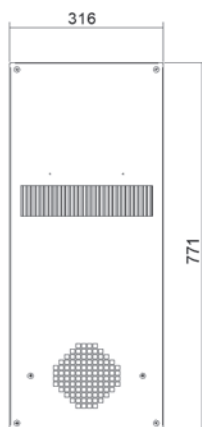
SPECIFIC COOLING POWER 36 W/K



PERFORMANCE



DIMENSIONS



External



Internal



| Features | UoM | MIX36BX0B | MIX36CX0B |
|-------------------------------------------|-------------------|-----------------|-----------------|
| Specific cooling power | W/K | 36 | 36 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 316 - 771 - 103 | 316 - 771 - 103 |
| Max current | A | 0.64 | 1.12 |
| T Fuse | A | 1 | 2 |
| Power draw | W | 160 | 150 |
| Operating cycle | - | 100% | 100% |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| External air fan capacity | m ³ /h | 570 | 570 |
| Cabinet air fan capacity | m ³ /h | 570 | 570 |
| Temperature limits | °C | -5+55 | -5+55 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 |
| Noise level | dB (A) | 67 | 67 |
| Weight | kg | 10 | 10 |
| Conformity | - | CE | CE |

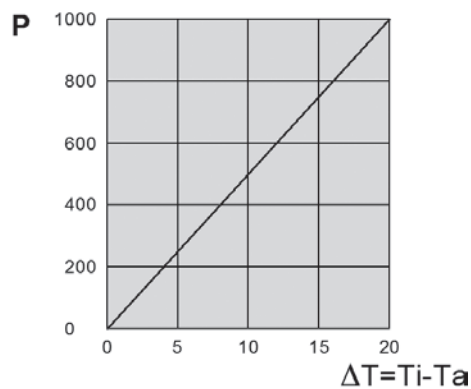
MIX50

Air-air heat exchangers

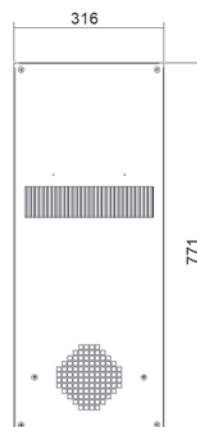
SPECIFIC COOLING POWER 50 W/K



PERFORMANCE



DIMENSIONS



External



Internal



| Features | UoM | MIX50BX0B | MIX50CX0B |
|-------------------------------------------|--------|-----------------|-----------------|
| Specific cooling power | W/K | 50 | 50 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 316 - 771 - 103 | 316 - 771 - 103 |
| Max current | A | 0.64 | 1.12 |
| T Fuse | A | 1 | 2 |
| Power draw | W | 160 | 150 |
| Operating cycle | - | 100% | 100% |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| External air fan capacity | m³/h | 600 | 600 |
| Cabinet air fan capacity | m³/h | 600 | 600 |
| Temperature limits | °C | -5+55 | -5+55 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 |
| Noise level | dB (A) | 67 | 67 |
| Weight | kg | 10 | 10 |
| Conformity | - | CE | CE |

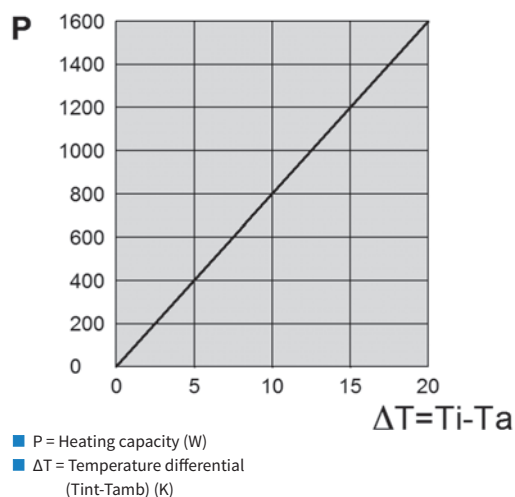
MIX80

Air-air heat exchangers

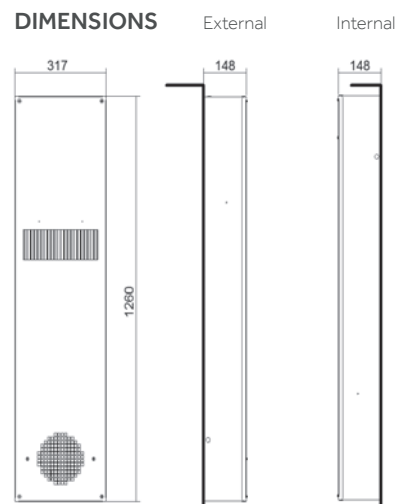
SPECIFIC COOLING POWER 80 W/K



PERFORMANCE



DIMENSIONS



| Features | UoM | MIX80BX0B | MIX80CX0B |
|-------------------------------------------|-------------------|------------------|------------------|
| Specific cooling power | W/K | 80 | 80 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 115 1~ 50-60 |
| Width - Height - Depth | mm | 317 - 1260 - 148 | 317 - 1260 - 148 |
| Max current | A | 1.06 | 2.1 |
| T Fuse | A | 2 | 4 |
| Power draw | W | 240 | 255 |
| Operating cycle | - | 100% | 100% |
| Electrical connection | - | Cable L = 3 m | Cable L = 3 m |
| External air fan capacity | m ³ /h | 1050 | 1050 |
| Cabinet air fan capacity | m ³ /h | 1050 | 1050 |
| Temperature limits | °C | -5+55 | -5+55 |
| EN60529 ingress protection - cabinet side | - | IP54 | IP54 |
| Noise level | dB (A) | 75 | 75 |
| Weight | kg | 17 | 17 |
| Conformity | - | CE | CE |

FAN

Ventilation units with filter

Quick installation and simple maintenance: the FAN range is **texa industries'** product range for electrical cabinet ventilation.

WIDE RANGE OF AIR FLOW RATES

Air flow rates range from 36 to 920 m³/h. The standard air flow direction is from the exterior to the interior of the cabinet for all ventilation units. The user can easily invert this by simply removing and reinstalling the fan in the reverse direction.

REDUCED EXTERNAL SIZE

The external projection is just 5 mm, in order to eliminate operational problems during transport and use of the cabinet due to excessive external dimensions.

DESIGN

The grille and fan support system are made of extremely tough, self-extinguishing impact-resistant ABS, which meets UL94 V0 requirements. The standard colour is RAL 7035.

QUICK INSTALLATION

Installation is made extremely fast by the simplicity of the square cut to be made on the cabinet panel and by the snap fastening system which does not require fastening screws. The snap fastening system can be used on panels between 1.2 mm and 2.4 mm thick. For thicknesses outside these limits, fastening can still be performed using the pack of screws included in all packs for this eventuality.

HIGH RELIABILITY

The fans used are all with bearings. High quality and with high volumetric efficiency, they have an expected lifetime of 30,000 hours at an ambient temperature of 55 °C. They all feature provision for making easy and safe electrical connections.

FILTER UNIT

FAN units can be used together with FIL filter meshes for expulsion of the air from the cabinet. Available in four sizes and created as the external part of the FAN unit, they allow the hot air to be expelled from the cabinet while maintaining its ingress protection rating.

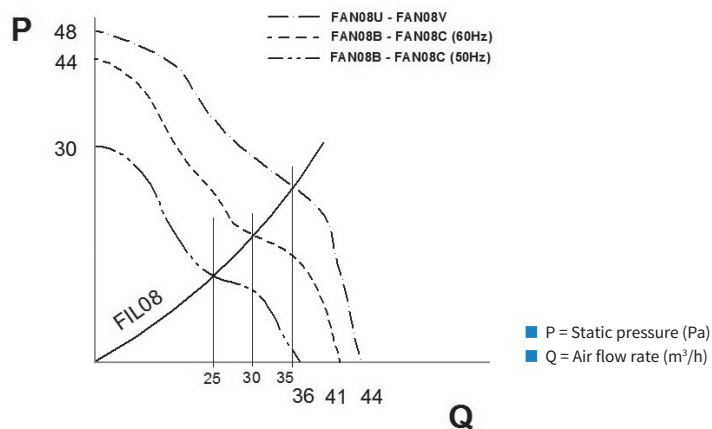


Ventilation units with filter

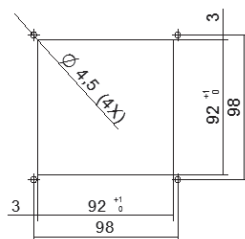
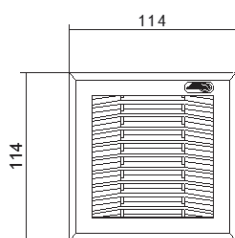
AIR FLOW RATE

36/41 - 44 m³/h

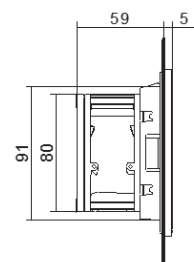
PERFORMANCE



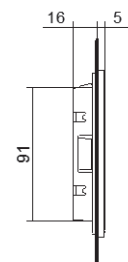
DIMENSIONS



FAN08



FIL08



DRILLING TEMPLATE

N.B.: The drilling templates are only approximate.
For any requirements, contact our technical/sales office.

| Features | UoM | FIL08XN0B | FAN08BN0B | FAN08CN0B | FAN08UN0B | FAN08VN0B |
|-------------------------|-------------------|------------|------------------------------------------------|--------------|--------------------------------------|------------|
| Air flow rate | m ³ /h | - | 36 - 41 | 36 - 41 | 44 | 44 |
| Power supply | V ~ Hz | - | 230 1~ 50-60 | 115 1~ 50-60 | 24 V DC | 48 V DC |
| Dimensions HxWxD | mm | 114x114x21 | 114x114x64 | 114x114x64 | 114x114x64 | 114x114x64 |
| Power draw | W | - | 15 - 13 | 15 - 12 | 5 | 6 |
| Max current | A | - | 0.14 - 0.13 | 0.07 - 0.06 | 0.18 | 0.12 |
| Electrical connection | - | - | Faston | Faston | Faston | Faston |
| Temperature limits | °C | -30+75 | -10+50 | -10+50 | -10+50 | -10+50 |
| IP rating EN60529 | - | IP54 | IP54 | IP54 | IP54 | IP54 |
| Noise level | dB (A) | - | 30 - 32 | 30 - 32 | 36 | 36 |
| FAN + FIL air flow rate | m ³ /h | - | 1x FIL08XN0B: 25 - 30 1x FIL12XN0B: 28 - 33 | | 1x FIL08XN0B: 35 1x FIL12XN0B: 38 | |
| Filter (Eurovent) | - | EU4 | EU4 | EU4 | EU4 | EU4 |
| Weight | kg | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 |
| Conformity | - | CE | CE | CE | CE | CE |

FAN12

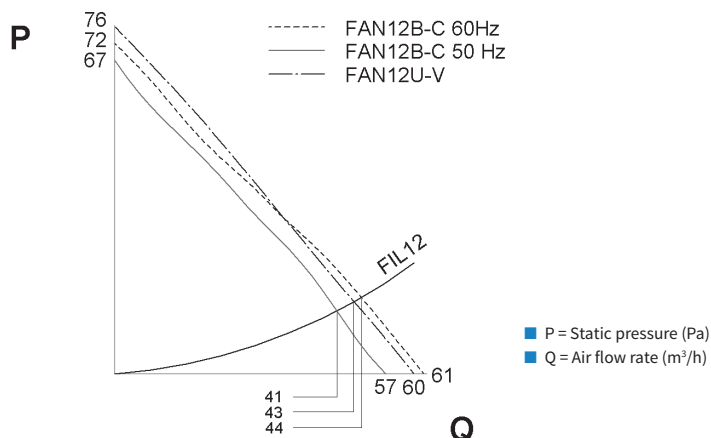
Ventilation units with filter

AIR FLOW RATE

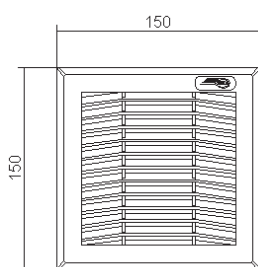
57/61 - 60 m³/h



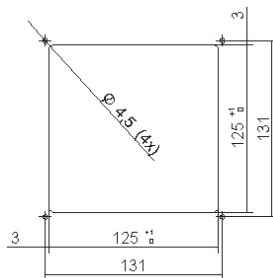
PERFORMANCE



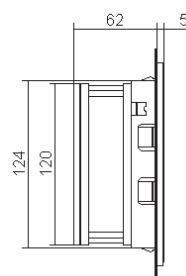
DIMENSIONS



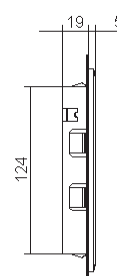
DRILLING TEMPLATE



FAN08



FIL08



N.B.: The drilling templates are only approximate.
For any requirements, contact our technical/sales office.

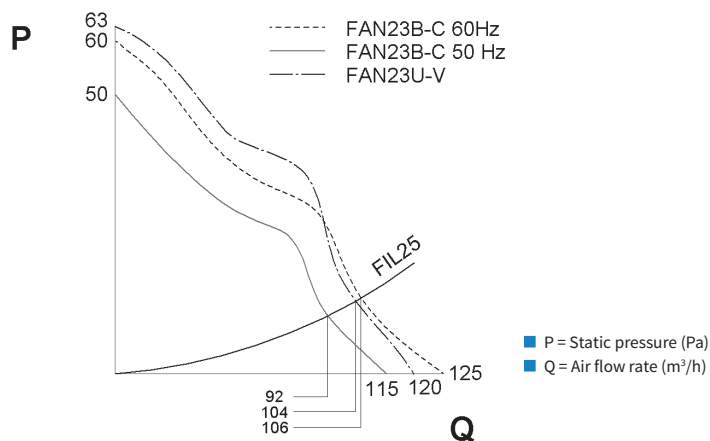
| Features | UoM | FIL12XN0B | FAN12BN0B | FAN12CN0B | FAN12UN0B | FAN12VN0B |
|-------------------------|-------------------|------------|------------------------------------------------|--------------|--------------------------------------|------------|
| Air flow rate | m ³ /h | - | 57 - 61 | 57 - 61 | 60 | 60 |
| Power supply | V ~ Hz | - | 230 1~ 50-60 | 115 1~ 50-60 | 24 V DC | 48 V DC |
| Dimensions HxWxD | mm | 150x150x24 | 150x150x67 | 150x150x67 | 150x150x67 | 150x150x67 |
| Power draw | W | - | 21 - 18 | 21 - 18 | 7 | 9 |
| Max current | A | - | 0.13 - 0.11 | 0.28 - 0.22 | 0.26 | 0.18 |
| Electrical connection | - | - | Faston | Faston | Faston | Faston |
| Temperature limits | °C | -30+75 | -10+50 | -10+50 | -10+50 | -10+55 |
| IP rating EN60529 | - | IP54 | IP54 | IP54 | IP54 | IP54 |
| Noise level | dB (A) | - | 43 - 48 | 43 - 48 | 43 | 43 |
| FAN + FIL air flow rate | m ³ /h | - | 1x FIL12XN0B: 41 - 44 1x FIL25XN0B: 47 - 51 | | 1x FIL12XN0B: 43 1x FIL25XN0B: 49 | |
| Filter (Eurovent) | - | EU4 | EU4 | EU4 | EU4 | EU4 |
| Weight | kg | 0.1 | 0.7 | 0.7 | 0.7 | 0.7 |
| Conformity | - | CE | CE | CE | CE | CE |

Ventilation units with filter

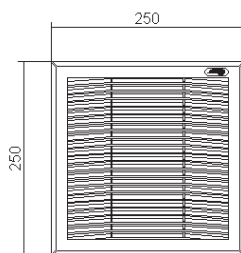
AIR FLOW RATE

115/125 - 120 m³/h

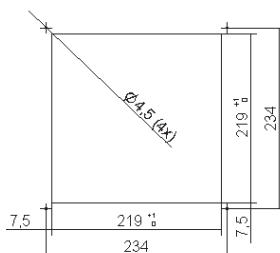
PERFORMANCE



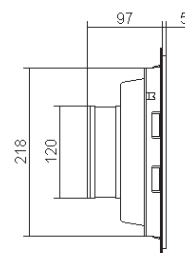
DIMENSIONS



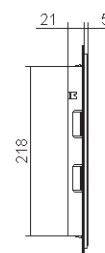
DRILLING TEMPLATE



FAN23



FIL25

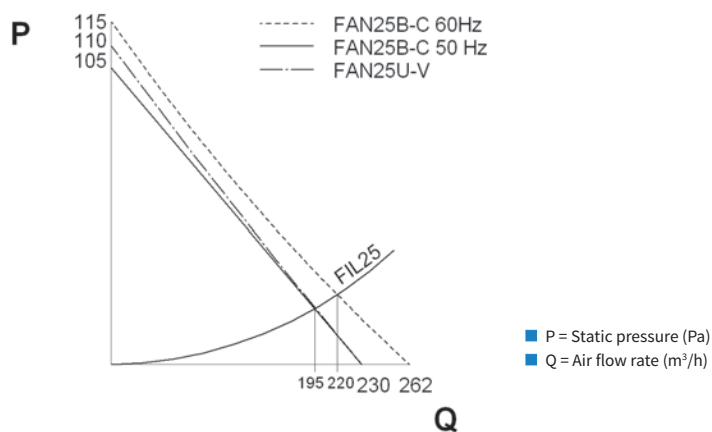


N.B.: The drilling templates are only approximate.
For any requirements, contact our technical/sales office.

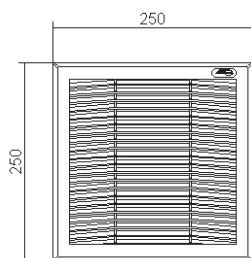
| Features | UoM | FIL25XN0B | FAN23BN0B | FAN23CN0B | FAN23UN0B | FAN23VN0B |
|-------------------------|-------------------|------------|---------------------------------------------------|--------------|----------------------------------------|-------------|
| Air flow rate | m ³ /h | - | 115 - 125 | 115 - 125 | 120 | 120 |
| Power supply | V ~ Hz | - | 230 1~ 50-60 | 115 1~ 50-60 | 24 V DC | 48 V DC |
| Dimensions HxWxD | mm | 250x250x26 | 250x250x102 | 250x250x102 | 250x250x102 | 250x250x102 |
| Power draw | W | - | 21 - 18 | 21 - 18 | 7 | 9 |
| Max current | A | - | 0.13 - 0.11 | 0.28 - 0.22 | 0.26 | 0.18 |
| Electrical connection | - | - | Faston | Faston | Faston | Faston |
| Temperature limits | °C | -30+75 | -10+50 | -10+50 | -10+50 | -10+55 |
| IP rating EN60529 | - | IP54 | IP54 | IP54 | IP54 | IP54 |
| Noise level | dB (A) | - | 43 - 48 | 43 - 48 | 43 | 43 |
| FAN + FIL air flow rate | m ³ /h | - | 1x FIL25XN0B: 92 - 106 1x FIL35XN0B: 101 - 111 | | 1x FIL25XN0B: 104 1x FIL35XN0B: 111 | |
| Filter (Eurovent) | - | EU4 | EU4 | EU4 | EU4 | EU4 |
| Weight | kg | 0.4 | 1.1 | 1.1 | 1.1 | 1.1 |
| Conformity | - | CE | CE | CE | CE | CE |



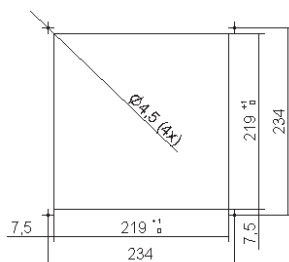
PERFORMANCE



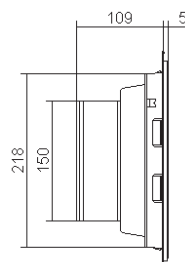
DIMENSIONS



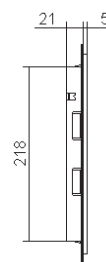
DRILLING TEMPLATE



FAN25



FIL25



N.B.: The drilling templates are only approximate.
For any requirements, contact our technical/sales office.

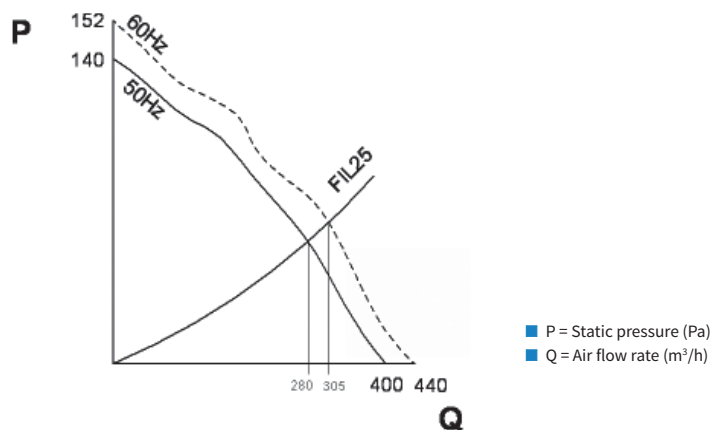
| Features | UoM | FIL25XN0B | FAN25BN0B | FAN25CN0B | FAN25UN0B | FAN25VN0B |
|-------------------------|-------------------|------------|-------------------------------------------------------------------------------|--------------|-------------------------------------------------------------|-------------|
| Air flow rate | m ³ /h | - | 230 - 262 | 230 - 262 | 230 | 230 |
| Power supply | V ~ Hz | - | 230 1~ 50-60 | 115 1~ 50-60 | 24 V DC | 48 V DC |
| Dimensions HxWxD | mm | 250x250x26 | 250x250x114 | 250x250x114 | 250x250x114 | 250x250x114 |
| Power draw | W | - | 45 - 40 | 45 - 40 | 23 | 20 |
| Max current | A | - | 0.35 - 0.28 | 0.65 - 0.55 | 0.95 | 0.42 |
| Electrical connection | - | - | Faston | Faston | Faston | Faston |
| Temperature limits | °C | -30+75 | -10+50 | -10+50 | -10+50 | -10+55 |
| IP rating EN60529 | - | IP54 | IP54 | IP54 | IP54 | IP54 |
| Noise level | dB (A) | - | 56 - 58 | 56 - 58 | 50 | 50 |
| FAN + FIL air flow rate | m ³ /h | - | 1x FIL25XN0B: 195 - 220 2x FIL25XN0B: 215 - 233 1x FIL35XN0B: 205 - 228 | | 1x FIL25XN0B: 195 2x FIL25XN0B: 215 1x FIL35XN0B: 205 | |
| Filter (Eurovent) | - | EU4 | EU4 | EU4 | EU4 | EU4 |
| Weight | kg | 0.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| Conformity | - | CE | CE | CE | CE | CE |

Ventilation units with filter

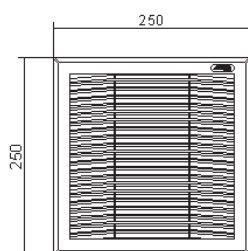
AIR FLOW RATE

400/440 m³/h

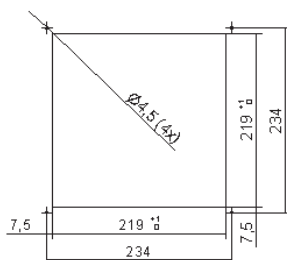
PERFORMANCE



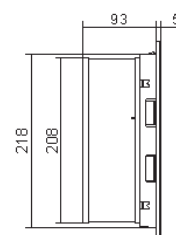
DIMENSIONS



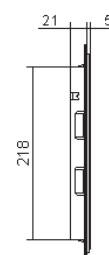
DRILLING TEMPLATE



FAN28



FIL25

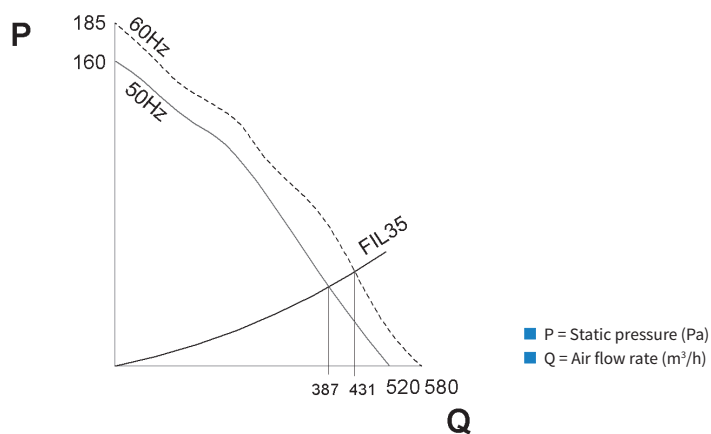


N.B.: The drilling templates are only approximate.
For any requirements, contact our technical/sales office.

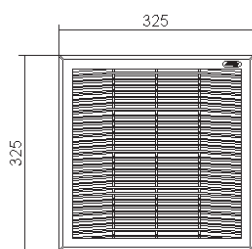
| Features | UoM | FIL25XN0B | FAN28BN0B | FAN28CN0B | FAN28LN0B |
|-------------------------|-------------------|------------|-------------------------------------------------------------------------------|--------------|----------------|
| Air flow rate | m ³ /h | - | 400 - 440 | 400 - 440 | 400 - 440 |
| Power supply | V ~ Hz | - | 230 1~ 50-60 | 115 1~ 50-60 | 400 3~ 50-60 |
| Dimensions HxWxD | mm | 250x250x26 | 250x250x98 | 250x250x98 | 250x250x98 |
| Power draw | W | - | 85 - 115 | 85 - 115 | 85 - 115 |
| Max current | A | - | 0.38 - 0.50 | 0.70 - 0.90 | 0.18 - 0.18 |
| Electrical connection | - | - | Faston | Faston | Terminal board |
| Temperature limits | °C | -30+75 | -10+50 | -10+50 | -10+50 |
| IP rating EN60529 | - | IP54 | IP54 | IP54 | IP54 |
| Noise level | dB (A) | - | 61 - 63 | 61 - 63 | 61 - 63 |
| FAN + FIL air flow rate | m ³ /h | - | 1x FIL25XN0B: 280 - 305 2x FIL25XN0B: 297 - 318 1x FIL35XN0B: 308 - 332 | | |
| Filter (Eurovent) | - | EU4 | EU4 | EU4 | EU4 |
| Weight | kg | 0.4 | 2.7 | 2.7 | 2.7 |
| Conformity | - | CE | CE | CE | CE |



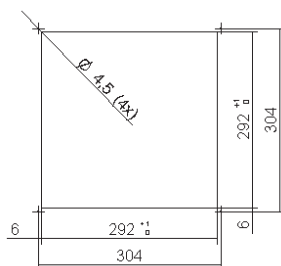
PERFORMANCE



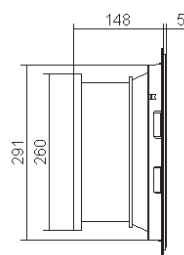
DIMENSIONS



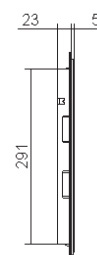
DRILLING TEMPLATE



FAN35



FIL35



N.B.: The drilling templates are only approximate.
For any requirements, contact our technical/sales office.

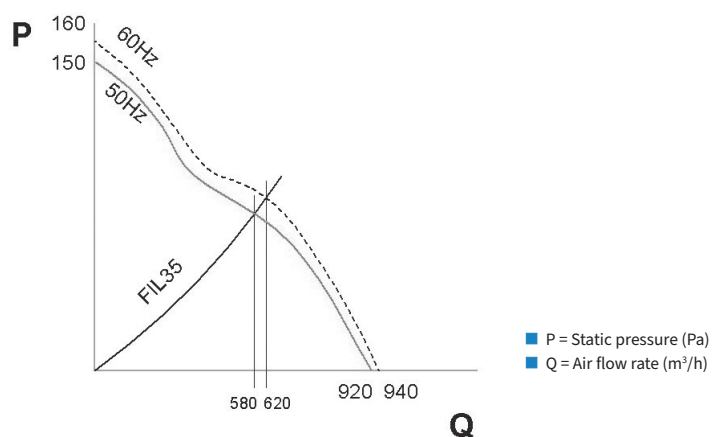
| Features | UoM | FIL35XN0B | FAN35BN0B | FAN35CN0B | FAN35LN0B |
|-------------------------|-------------------|------------|-------------------------|-------------------------|-------------------------|
| Air flow rate | m ³ /h | - | 520 - 580 | 520 - 580 | 520 - 580 |
| Power supply | V ~ Hz | - | 230 1~ 50-60 | 115 1~ 50-60 | 400 3~ 50-60 |
| Dimensions HxWxD | mm | 325x325x28 | 325x325x153 | 325x325x153 | 325x325x153 |
| Power draw | W | - | 85 - 115 | 85 - 115 | 85 - 115 |
| Max current | A | - | 0.38 - 0.50 | 0.70 - 0.90 | 0.18 - 0.18 |
| Electrical connection | - | - | Faston | Faston | Terminal board |
| Temperature limits | °C | -30+75 | -10+50 | -10+50 | -10+50 |
| IP rating EN60529 | - | IP54 | IP54 | IP54 | IP54 |
| Noise level | dB (A) | - | 61 - 63 | 61 - 63 | 61 - 63 |
| FAN + FIL air flow rate | m ³ /h | - | 1x FIL35XN0B: 387 - 431 | 1x FIL35XN0B: 387 - 431 | 1x FIL35XN0B: 387 - 431 |
| Filter (Eurovent) | - | EU4 | EU4 | EU4 | EU4 |
| Weight | kg | 0.6 | 3.1 | 3.1 | 3.1 |
| Conformity | - | CE | CE | CE | CE |

Ventilation units with filter

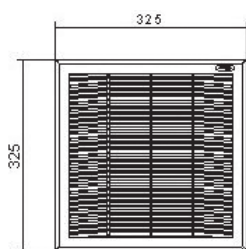
AIR FLOW RATE

920/940 m³/h

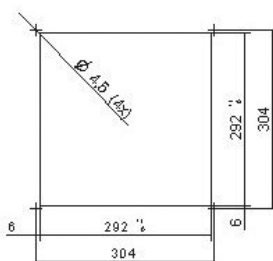
PERFORMANCE



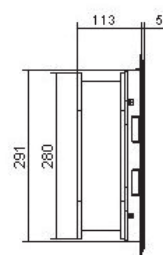
DIMENSIONS



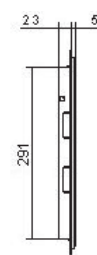
DRILLING TEMPLATE



FAN39



FIL35



N.B.: The drilling templates are only approximate.
For any requirements, contact our technical/sales office.

| Features | UoM | FIL35XN0B | FAN39BN0B | FAN39CN0B |
|-------------------------|-------------------|------------|-------------------------|-------------------------|
| Air flow rate | m ³ /h | - | 920 - 940 | 920 - 940 |
| Power supply | V ~ Hz | - | 230 1~ 50-60 | 115 1~ 50-60 |
| Dimensions HxWxD | mm | 325x325x28 | 325x325x118 | 325x325x118 |
| Power draw | W | - | 140/190 | 112/146 |
| Max current | A | - | 0.62/0.86 | 1.20/1.35 |
| Electrical connection | - | - | Terminal board | Terminal board |
| Temperature limits | °C | -30+75 | -10+50 | -10+50 |
| IP rating EN60529 | - | IP54 | IP54 | IP54 |
| Noise level | dB (A) | - | 65 - 68 | 65 - 68 |
| FAN + FIL air flow rate | m ³ /h | - | 1x FIL35XN0B: 580 - 620 | 1x FIL35XN0B: 580 - 620 |
| Filter (Eurovent) | - | EU4 | EU4 | EU4 |
| Weight | kg | 0.6 | 4.8 | 4.8 |
| Conformity | - | CE | CE | CE |

FILTERS



| Models | Item code | Quantity per pack |
|-------------------------|-----------|-------------------|
| FAN08-FIL08 | AAFFN08 | 10 |
| FAN12-FIL12 | AAFFN12 | 10 |
| FAN23-FAN25-FAN28-FIL25 | AAFFN25 | 10 |
| FAN35-FAN39-FIL35 | AAFFN35 | 10 |

AAFFN

Replacement fabric filters for FAN units

These are the standard fabric filters for the FAN units. To keep the performance of these fan units as high as possible, it is necessary to regularly check the level of clogging of the fabric filters, replacing them with new ones when necessary. The fabric filters are made from self-extinguishing synthetic fibres, with a tight weave and with progressive filtration power. The filtration efficiency can reach 91%. Level of filtration EU4.



| Models | Item code | Quantity per pack |
|-------------------------|-----------|-------------------|
| FAN08-FIL08 | AAFFH08 | 10 |
| FAN12-FIL12 | AAFFH12 | 10 |
| FAN23-FAN25-FAN28-FIL25 | AAFFH25 | 10 |
| FAN35-FAN39-FIL35 | AAFFH35 | 10 |

AAFFH

High-efficiency fabric filters

These high-efficiency fabric filters are used for environments with fine dust. Using these fabric filters increases the degree of protection of the fan units, however the air flow rate is reduced from the nominal capacity. The filtration efficiency can reach 97%. Level of filtration EU5.

DLK

Ventilating towers

A tough frame combined with an attractive design set the DLK range of roof ventilators apart.

APPLICATION

Featuring easy installation and an attractive, innovative design, the DLK range of roof ventilation towers are the ideal solution when there is no space on the cabinet walls, or the air flow is higher than that available with the FAN range of ventilated grilles.

AVAILABLE AIR FLOW RATES

Available in 6 sizes: from 600 to 4000 m³/h. The fans used are all radial models with bearings. High quality and with high volumetric efficiency, they have an expected lifetime of 50,000 hours at an ambient temperature of 40 °C.

HIGH IP RATING

The special configuration of the covering structure and the self-adhesive seal for coupling to the enclosure allow DLK/DLR units to achieve an IP44 rating. On request, a filter kit is available which allows an IP54 rating to be achieved.

NATURAL VENTILATION UNIT

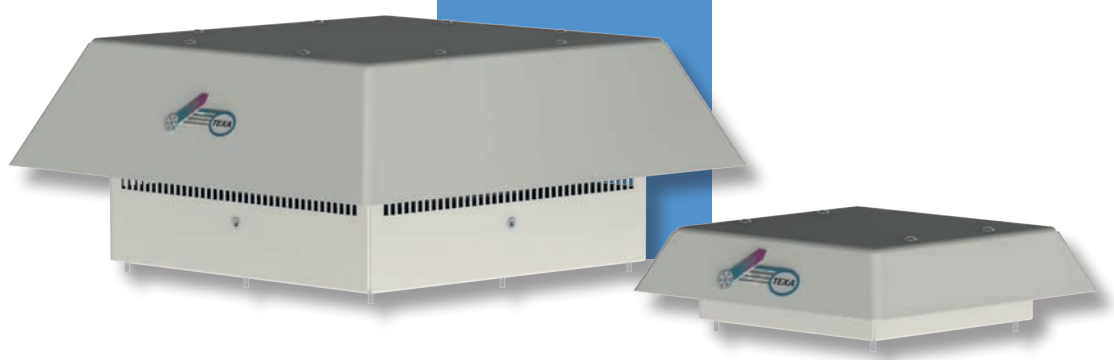
A version without fan is also available: DLR19XX0B. This is used when natural ventilation is sufficient to cool the cabinet and you wish to maintain a high IP rating for the cabinet.

AVAILABLE POWER SUPPLIES

DLK ventilation towers are available for 230V and 115V single-phase power supplies. On request, versions for supply voltages not present in the catalogue can be produced for orders of sufficient quantities.

FILTER UNIT

DLK ventilating towers can be used together with the FIL35XN0B filter grille for intake of air in the cabinet.



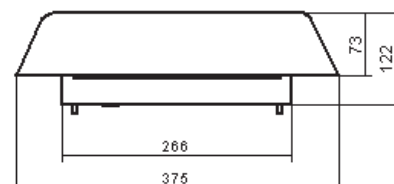
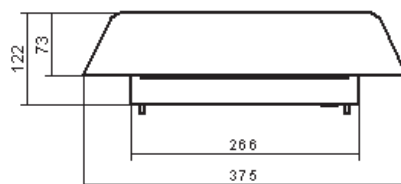
DLK19-22-25

Ventilating towers

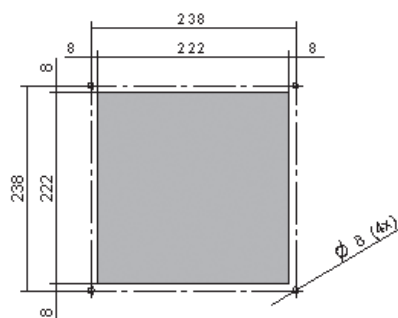
AIR FLOW RATE

600/625 - 1050/1085 - 1380/1460 m³/h

DIMENSIONS

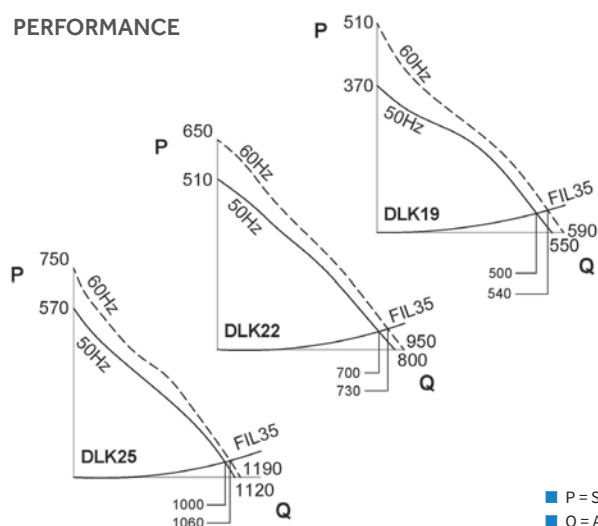


DRILLING TEMPLATE



N.B.: The drilling templates are only approximate.
For any requirements, contact our technical/sales office.

PERFORMANCE



| Features | UoM | DLR19XX0B | DLK19BX0B | DLK19CX0B | DLK22BX0B | DLK22CX0B | DLK25BX0B |
|-----------------------------------|-------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Air flow rate | m ³ /h | - | 600 - 625 | 600 - 625 | 1050 - 1085 | 1050 - 1085 | 1380 - 1460 |
| Fan+tower air flow capacity | m ³ /h | - | 550 - 590 | 550 - 590 | 800 - 950 | 800 - 950 | 1120 - 1190 |
| Power supply | V ~ Hz | - | 230 1~ 50-60 | 115 1~ 50-60 | 230 1~ 50-60 | 115 1~ 50-60 | 230 1~ 50-60 |
| Dimensions HxWxD | mm | 122x375x375 | 122x375x375 | 122x375x375 | 122x375x375 | 122x375x375 | 122x375x375 |
| Power draw | W | - | 78 - 106 | 58 - 77 | 123 - 168 | 143 - 200 | 135 - 200 |
| Max current | A | - | 0.32 - 0.4 | 0.58 - 0.73 | 0.52 - 0.65 | 1.13 - 1.42 | 0.6 - 0.88 |
| Electrical connection | - | - | Cable | Cable | Cable | Cable | Cable |
| Temperature limits | °C | -20+60 | -20+60 | -20+60 | -20+60 | -20+60 | -20+60 |
| IP rating EN60529 | - | IP44 | IP44 | IP44 | IP44 | IP44 | IP44 |
| Noise level | dB (A) | - | 62 - 64 | 62 - 64 | 72 - 71 | 72 - 71 | 70 - 72 |
| DLK + FIL35XN0B air flow capacity | m ³ /h | - | 500 - 540 | 500 - 540 | 700 - 730 | 700 - 730 | 1000 - 1060 |
| Weight | kg | 4 | 6 | 6 | 7 | 7 | 7 |
| Conformity | - | CE | CE | CE | CE | CE | CE |

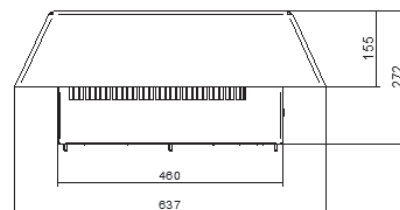
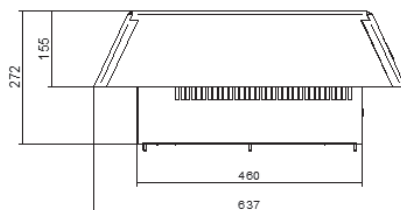
DLK42-45-48

Ventilating towers

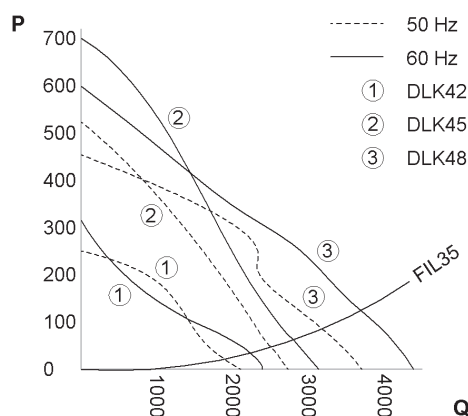
AIR FLOW RATE

2300/2530 - 3000/3370 - 4000/4520 m³/h

DIMENSIONS

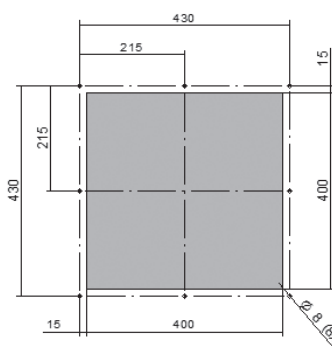


PERFORMANCE



■ P = Static pressure (Pa)
■ Q = Air flow rate (m³/h)

DRILLING TEMPLATE



N.B.: The drilling templates are only approximate.
For any requirements, contact our technical/sales office.

| Features | UoM | DLR42XX0B | DLK42BX0B | DLK45BX0B | DLK48BX0B |
|-------------------------------------|-------------------|-------------|--------------|--------------|--------------|
| Fan air flow capacity | m ³ /h | - | 2300 - 2530 | 3000 - 3370 | 4000 - 4520 |
| Fan+tower air flow capacity | m ³ /h | - | 2110 - 2390 | 2750 - 3180 | 3670 - 4270 |
| Power supply | V - Hz | - | 230 1~ 50-60 | 230 1~ 50-60 | 230 1~ 50-60 |
| Dimensions HxWxD | mm | 272x637x637 | 272x637x637 | 272x637x637 | 272x637x637 |
| Power draw | W | - | 240 - 340 | 290 - 390 | 340 - 420 |
| Max current | A | - | 0.9 - 1.1 | 1.2 - 1.4 | 1.7 - 1.8 |
| Electrical connection | - | - | Cable | Cable | Cable |
| Temperature limits | °C | -20+60 | -20+60 | -20+60 | -20+60 |
| IP rating EN60529 | - | IP44 | IP44 | IP44 | IP44 |
| Noise level | dB (A) | - | 62 - 64 | 72 - 74 | 71 - 74 |
| DLK + 6 FIL35XN0B air flow capacity | m ³ /h | - | 1920 - 2200 | 2520 - 2930 | 3340 - 3930 |
| Weight | kg | 17 | 27 | 27 | 27 |
| Conformity | - | CE | CE | CE | CE |

WID

Anti-condensation heaters

Compatible, reliable and safe. The WID range offers a huge range of solutions for electrical cabinet heating.

APPLICATION

Heaters are required to prevent faults or corrosion due to excessively low temperatures or high humidity levels inside the cabinet. These conditions can occur when the ambient temperature is low and the equipment inside the cabinet is not powered or does not dissipate sufficient heat to keep the internal temperature above a minimum threshold. Outdoor cabinets are almost always found in these conditions.

SAFETY

The surface temperature is limited via PTC. This allows for safe operation and self-regulated heating power. All heaters are Class I except for the WID..ZX0P and WID..BL0T range of heaters, which are Class II.

SPEED OF INSTALLATION

Installation is quick and easy. All units have provision for snap-on installation onto 35 mm EN 50022 DIN rail.

LONG LIFE

The fan heaters are equipped with fans with bearings. They have an expected lifetime of 50,000 hours at an ambient temperature of 25 °C.

FLEXIBLE POWER SUPPLY

The WID range of heaters in the catalogue have the following power supplies:

| | | | |
|-----------|-----------------|-----------|----------------|
| WID..ZX0X | 110-250 V AC/DC | WID..BL0C | 230 V 50/60 Hz |
| WID..ZX0P | 110-250 V AC/DC | WID..BL0T | 230 V 50/60 Hz |

WIDE RANGE

Compact, reliable and high performance, WID series heaters cover a range of heating outputs from 10 to 550 W and are available in four types:

| | | | |
|-----------|-------------------|-----------|--------------------------------|
| WID..ZX0X | Standard | WID..BL0C | Compact fan |
| WID..ZX0P | Protected surface | WID..BL0T | Fan with integrated thermostat |



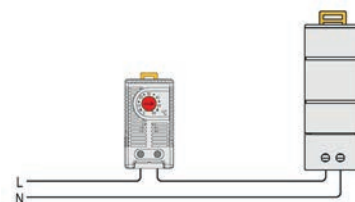
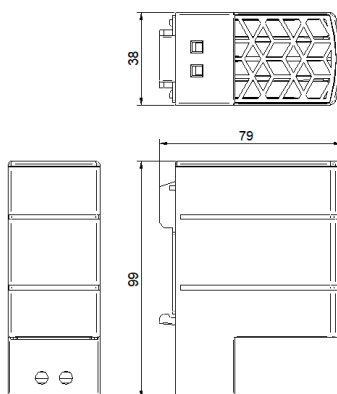
WID01÷03ZX0P

Anti-condensate heaters with protected surface

HEATING POWER

10 - 20 - 30 W

DIMENSIONS



CONNECTION EXAMPLES

| Features | UoM | WID01ZX0P | WID02ZX0P | WID03ZX0P |
|--------------------------------|--------|---------------------------|---------------------------|---------------------------|
| Heating power* | W | 10 | 20 | 30 |
| Power supply | V ~ Hz | 110-250 V AC/DC | 110-250 V AC/DC | 110-250 V AC/DC |
| Dimensions HxWxD | mm | 99x38x79 | 99x38x79 | 99x38x79 |
| Max current | A | 0.3 | 0.9 | 1.8 |
| T Fuse | A | 2 | 4 | 5 |
| Heating element | - | self-regulated PTC | self-regulated PTC | self-regulated PTC |
| Electrical connection | - | Terminal board 2 poles | Terminal board 2 poles | Terminal board 2 poles |
| IEC protection class | - | II | II | II |
| IP rating EN60529 | - | IP20 | IP20 | IP20 |
| Enclosure | - | Plastic UL94 V-0 | Plastic UL94 V-0 | Plastic UL94 V-0 |
| Clip installation for DIN rail | mm | 35 | 35 | 35 |
| Weight | kg | 0.2 | 0.3 | 0.3 |
| Conformity | - | CE | CE | CE |

* At 20 °C ambient temperature

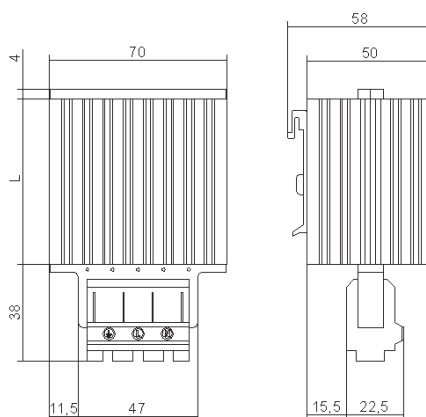
WID05÷15ZX0X

Anti-condensation heaters

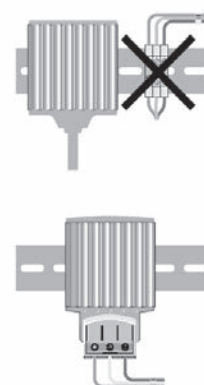
HEATING POWER

45 - 100 - 150 W

DIMENSIONS



| W mm | |
|-----------|-----|
| WID05ZX0X | 65 |
| WID10ZX0X | 140 |
| WID15ZX0X | 220 |



FACILITATED INSTALLATION
WITH QUICK-CONNECTION
TERMINALS

| Features | UoM | WID05ZX0X | WID10ZX0X | WID15ZX0X |
|--------------------------------|--------|-------------------------------|-------------------------------|-------------------------------|
| Heating power* | W | 45 | 100 | 150 |
| Power supply | V ~ Hz | 110-250 V AC/DC | 110-250 V AC/DC | 110-250 V AC/DC |
| Dimensions HxWxD | mm | 109x70x50 | 184x70x50 | 264x70x50 |
| Max current | A | 3.5 | 4.5 | 9 |
| Heating element | - | self-regulated PTC | self-regulated PTC | self-regulated PTC |
| Electrical connection | - | Terminal board 3 poles | Terminal board 3 poles | Terminal board 3 poles |
| IEC protection class | - | I | I | I |
| IP rating EN60529 | - | IP20 | IP20 | IP20 |
| Radiator | - | Extruded aluminium profile | Extruded aluminium profile | Extruded aluminium profile |
| Clip installation for DIN rail | mm | 35 | 35 | 35 |
| Weight | kg | 0.3 | 0.5 | 0.7 |
| Conformity | - | CE | CE | CE |

* At 20 °C ambient temperature

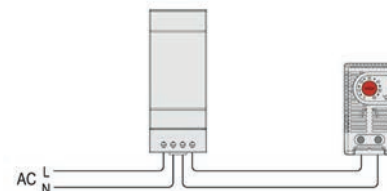
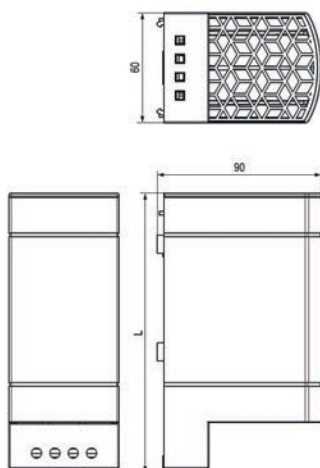
WID05÷15ZX0P

Anti-condensate heaters with protected surface

HEATING POWER

50 - 100 - 150 W

DIMENSIONS



CONNECTION EXAMPLES

| W mm | |
|-----------|-----|
| WID05ZX0P | 110 |
| WID10ZX0P | 150 |
| WID15ZX0P | 150 |

| Features | UoM | WID05ZX0P | WID10ZX0P | WID15ZX0P |
|--------------------------------|--------|---------------------------|---------------------------|---------------------------|
| Heating power* | W | 50 | 100 | 150 |
| Power supply | V ~ Hz | 110-250 V AC/DC | 110-250 V AC/DC | 110-250 V AC/DC |
| Dimensions HxWxD | mm | 110x60x90 | 150x60x90 | 150x60x90 |
| Max current | A | 2.5 | 4.5 | 8 |
| T Fuse | A | 4 | 8 | 8 |
| Heating element | - | self-regulated PTC | self-regulated PTC | self-regulated PTC |
| Electrical connection | - | Terminal board 4 poles | Terminal board 4 poles | Terminal board 4 poles |
| IEC protection class | - | II | II | II |
| IP rating EN60529 | - | IP20 | IP20 | IP20 |
| Enclosure | - | Plastic UL94 V-0 | Plastic UL94 V-0 | Plastic UL94 V-0 |
| Clip installation for DIN rail | mm | 35 | 35 | 35 |
| Weight | kg | 0.3 | 0.4 | 0.4 |
| Conformity | - | CE | CE | CE |

* At 20 °C ambient temperature

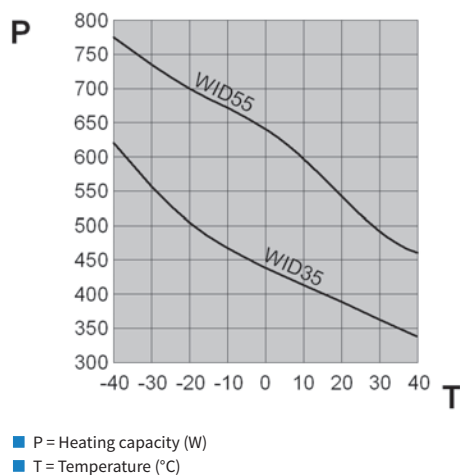
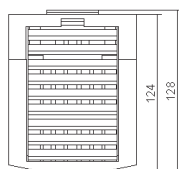
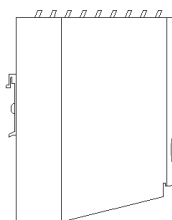
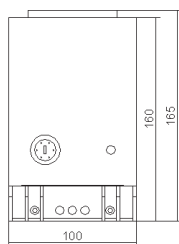
WID..BL0T

Anti-condensate fan heaters with thermostat

HEATING POWER

350 - 550 W

DIMENSIONS



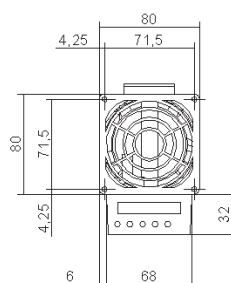
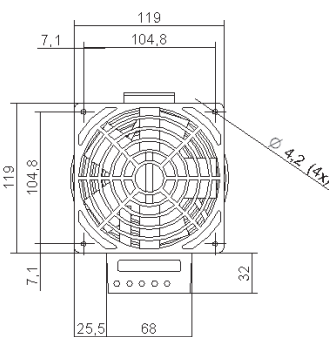
| Features | UoM | WID35BL0T | WID55BL0T |
|--------------------------------|--------|------------------------|------------------------|
| Heating power* | W | 350 | 550 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 |
| Max current | A | 11.0 | 13.0 |
| Dimensions HxWxD | mm | 165x100x128 | 165x100x128 |
| Heating element | - | self-regulated PTC | self-regulated PTC |
| Fan Capacity | m³/h | 35 | 35 |
| Electrical protection | - | For fault on fan | For fault on fan |
| Temperature limits | °C | 0-60 | 0-60 |
| Electrical connection | - | Terminal board 2 poles | Terminal board 2 poles |
| IEC protection class | - | II | II |
| IP rating EN60529 | - | IP20 | IP20 |
| Clip installation for DIN rail | mm | 35 | 35 |
| Weight | kg | 0.9 | 1.1 |
| Conformity | - | CE | CE |

* At 20 °C ambient temperature

Compact anti-condensate fan heaters

HEATING POWER

100 - 150 - 200 - 300 - 400 W

COMPOSITION OF THE
HEATER-FAN ASSEMBLYWID10BLOC
WID15BLOCWID20BLOC
WID30BLOC
WID40BLOC

DIMENSIONS

| Features | UoM | WID10BLOC | WID15BLOC | WID20BLOC | WID30BLOC | WID40BLOC |
|---------------------------------------|-------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Heating power | W | 100 | 150 | 200 | 300 | 400 |
| Power supply | V ~ Hz | 230 1~ 50-60 | 230 1~ 50-60 | 230 1~ 50-60 | 230 1~ 50-60 | 230 1~ 50-60 |
| Dimensions HxWxD | mm | 112x80x47 | 112x80x47 | 151x119x47 | 151x119x47 | 151x119x47 |
| Heating element | - | High-efficiency heater cartridge | High-efficiency heater cartridge | High-efficiency heater cartridge | High-efficiency heater cartridge | High-efficiency heater cartridge |
| Fan Capacity | m ³ /h | 35 | 35 | 108 | 108 | 108 |
| Electrical protection | - | For fault on fan | For fault on fan | For fault on fan | For fault on fan | For fault on fan |
| Outlet air temperature* | °C | 45 | 45 | 45 | 45 | 45 |
| Heating element electrical connection | - | Terminal board 3 poles | Terminal board 3 poles | Terminal board 3 poles | Terminal board 3 poles | Terminal board 3 poles |
| Fan electrical connection | - | Terminal board 2 poles | Terminal board 2 poles | Terminal board 2 poles | Terminal board 2 poles | Terminal board 2 poles |
| IEC protection class | - | I | I | I | I | I |
| IP rating EN60529 | - | IP20 | IP20 | IP20 | IP20 | IP20 |
| Radiator | - | Die-cast aluminium | Die-cast aluminium | Die-cast aluminium | Die-cast aluminium | Die-cast aluminium |
| Clip installation for DIN rail | mm | 35 | 35 | 35 | 35 | 35 |
| Weight | kg | 0.6 | 0.6 | 0.9 | 0.9 | 0.9 |
| Conformity | - | CE | CE | CE | CE | CE |

* 50 mm above element



ACCESSORIES

TWINNED THERMOSTAT



| Features | UoM | C16000385 |
|--------------------------------------|-----|----------------------------------------------|
| Field of regulation | °C | 0+60/0+60 |
| Contact | - | NC/NO |
| Contact capacity with resistive load | A | 7 |
| Max voltage | V | 250 AC |
| Dimensions HxWxD | mm | 67x50x46 |
| Sensitive element | - | Bimetallic |
| Electrical connection | - | 4-pole terminal board (2.5 mm ²) |
| Operating temperature limit | °C | -45+80 |
| IP rating EN60529 | - | IP20 |
| Clip installation for DIN rail | mm | 35 |
| Conformity | - | CE |

Accessories

Pack of 5 x device
installation accessories
for cabinets

-

AAWFT10

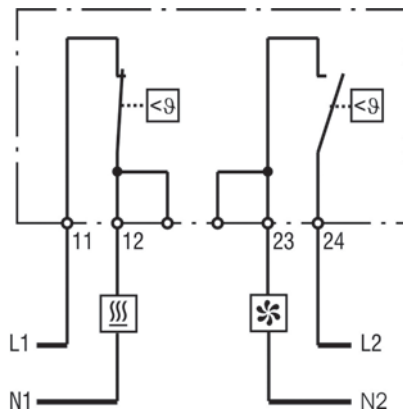
C16000385

Twinned thermostat

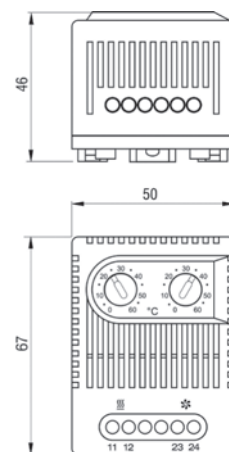
Two thermostats in a single housing:

- A thermostat with normally closed contact for regulating heating devices.
- A thermostat with normally open contact for regulating fans with filter or heat exchangers.

A version with two normally open contacts is also available



CONNECTION DIAGRAM



ACCESSORIES

THERMOSTAT



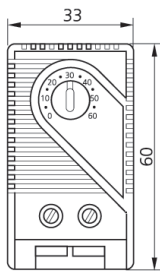
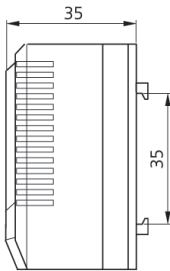
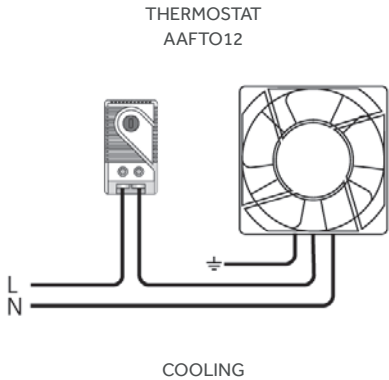
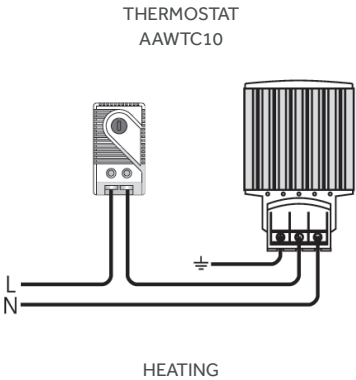
AAWTC10 - AAFTO12

Compact thermostat, fast snap-on installation, with a wide field of regulation.

It has a normally closed/open contact and is used primarily for controlling anti-condensate heaters.

| Accessories | | |
|----------------------------------------------------------|---|---------|
| Pack of 5 x device installation accessories for cabinets | - | AAWFT10 |

| Features | UoM | AAWTC10 | AAFTO12 |
|--------------------------------------|-----|----------------------------------------------|----------------------------------------------|
| Field of regulation | °C | 0-60 | 0-60 |
| Activation differential | K | 7 | 7 |
| Contact | - | NC | NO |
| Contact capacity with resistive load | A | 10 | 10 |
| Max voltage | V | 250 AC | 250 AC |
| Dimensions HxWxD | mm | 60x33x35 | 60x33x35 |
| Sensitive element | - | Bimetallic | Bimetallic |
| Electrical connection | - | 2-pole terminal board (2.5 mm ²) | 2-pole terminal board (2.5 mm ²) |
| Operating temperature limit | °C | -45+80 | -45+80 |
| IP rating EN60529 | - | IP20 | IP20 |
| Clip installation for DIN rail | mm | 35 | 35 |
| Conformity | - | CE | CE |



ACCESSORIES

THERMOSTAT



| Features | UoM | AAWTS10 |
|--------------------------------------|-----|----------------------------------------------|
| Field of regulation | °C | 0-60 |
| Activation differential | K | 4.0 |
| Contact | - | Change-over |
| Contact capacity with resistive load | A | 10 |
| Max voltage | V | 240 AC |
| Dimensions HxWxD | mm | 64x38x51 |
| Sensitive element | - | Bimetallic |
| Electrical connection | - | 3-pole terminal board (2.5 mm ²) |
| Operating temperature limit | °C | -20+80 |
| IP rating EN60529 | - | IP20 |
| Clip installation for DIN rail | mm | 35 |
| Conformity | - | CE |

Accessories

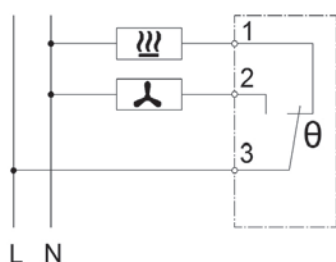
Pack of 5 x device
installation accessories
for cabinets

- AAWFT10

AAWTS10

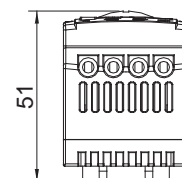
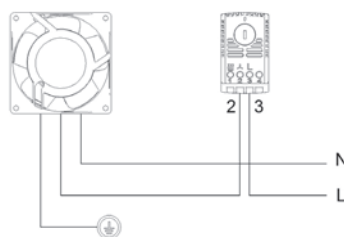
Thermostat

Thermostat with high current capacity change-over contact



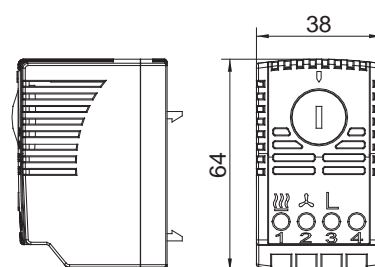
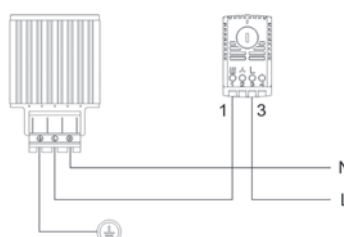
COOLING

THERMOSTAT AAWTS10



HEATING

THERMOSTAT AAWTS10



ACCESSORIES

HUMIDISTAT



| Features | UoM | AAWHS10 |
|--------------------------------------|-----|----------------------------------------------|
| Operating temperature | °C | 0-60 |
| Field of regulation | %RH | 35-95 |
| Activation differential | %RH | 4 |
| Contact | - | Change-over |
| Contact capacity with resistive load | A | 5 |
| Max voltage | V | 250 AC |
| Dimensions HxWxD | mm | 67x50x38 |
| Max permissible air speed | m/s | 15 |
| Electrical connection | - | 3-pole terminal board (2.5 mm ²) |
| Operating temperature limit | °C | 0+60 |
| IP rating EN60529 | - | IP20 |
| Clip installation for DIN rail | mm | 35 |
| Conformity | - | CE |

Accessories

Pack of 5 x device
installation accessories
for cabinets

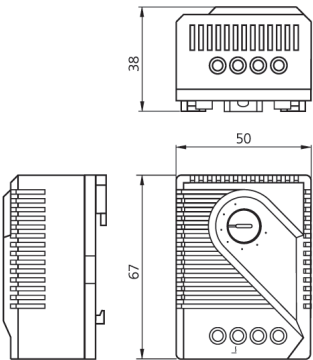
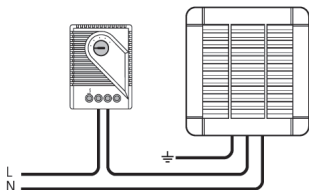
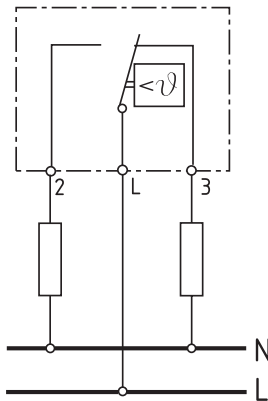
- AAWFT10

AAWHS10

Humidistat

Humidistat which allows the formation of condensation to be prevented, protecting the inside of the cabinet from the resulting inevitable damage. Used to control anti-condensate heaters or dehumidifiers. Features a change-over contact with high switching power.

LOAD 2 = ELECTRICAL CABINET HEATING
LOAD 3 = DEHUMIDIFIER



ACCESSORIES

LED LIGHT



| Features | UoM | AALGT10 |
|------------------------------------|---------|----------------------------------------------------------------------------------|
| Power supply | V - Hz | 100-240 V AC, 50/60Hz (min. 90 V AC, max. 265 V AC) |
| Power draw | W | Max. 5 |
| Luminous flux | Lm | 290 Lm at 120° (corresponding to 870 Lm at 360° or 75W for an incandescent bulb) |
| Light bulb | - | LED, angle of irradiation 120° |
| Lifetime | h | 60,000 h at +20°C (+68 °F) |
| Connection | - | Two-pin locking plug AC: max. 2,5 A/240 V AC, colour: white |
| Fastening | - | Magnetic fastening |
| Housing | - | Plastic, transparent |
| Dimensions | mm | 351x34x32 |
| Weight | g | 200 |
| Operating ambient temp. | °C - °F | -30°C - +60°C (-22°F - +140°F) |
| Storage ambient temp. | °C - °F | -40°C - +85°C (-40°F - +185°F) |
| Operating/storage ambient humidity | %RH | max. 90% RH (non-condensing) |
| Protection type/protection class | IP | IP20/II (double insulated) |

AALGT10

LED light with magnetic fastening

The AALGT10 range of lights can be used in all types of cabinets or panels, even where space is extremely limited. The magnetic fastening, the integrated power supply and the locking input and output plugs make installation quick, flexible and safe. Up to 10 lights can be connected in series.

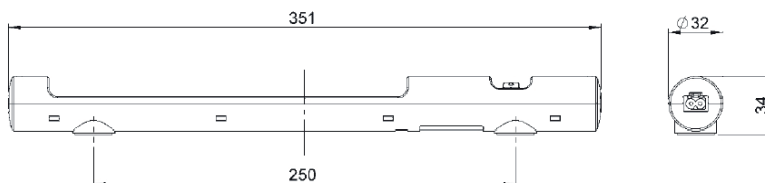
LED technology guarantees a very long lamp lifetime.

FEMALE PLUG
FOR POWER SUPPLY CABLE.



MALE PLUG
ONLY FOR CONNECTING MULTIPLE
LIGHTS IN SERIES (MAX 10).

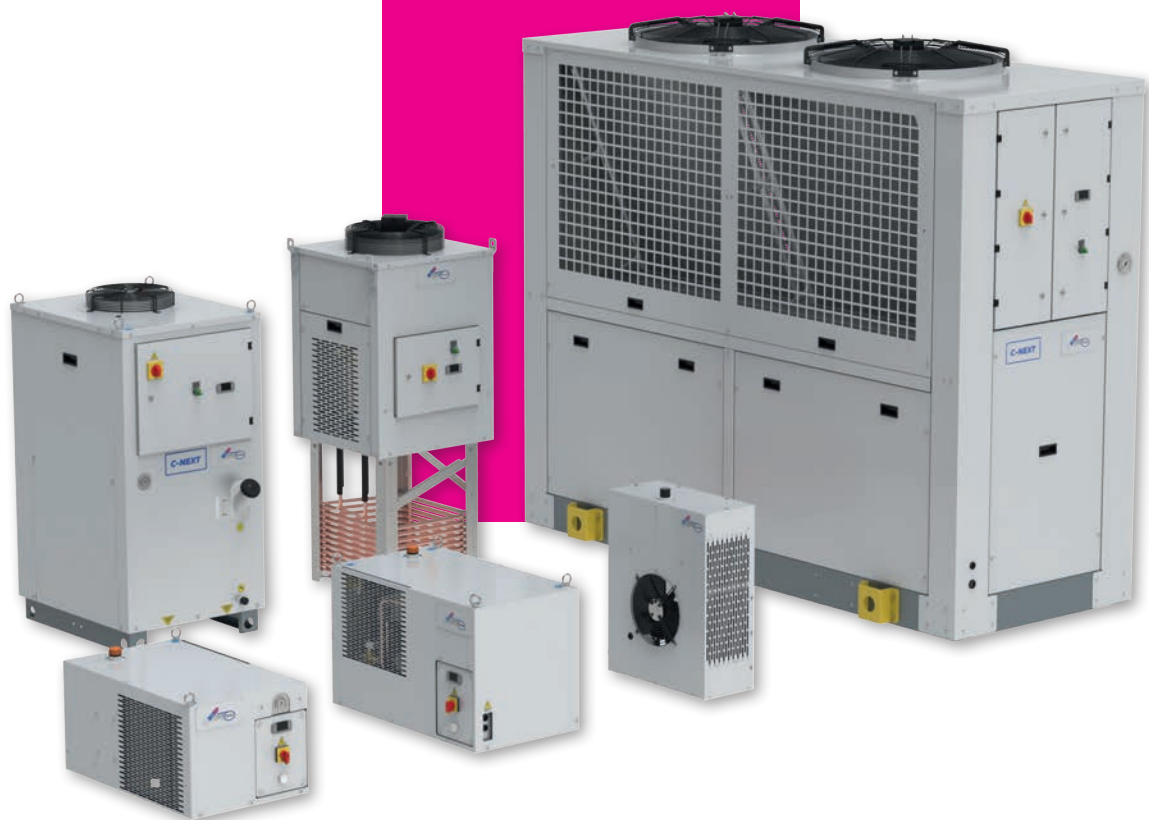
LED LAMP AALGT10





Refrigeration range

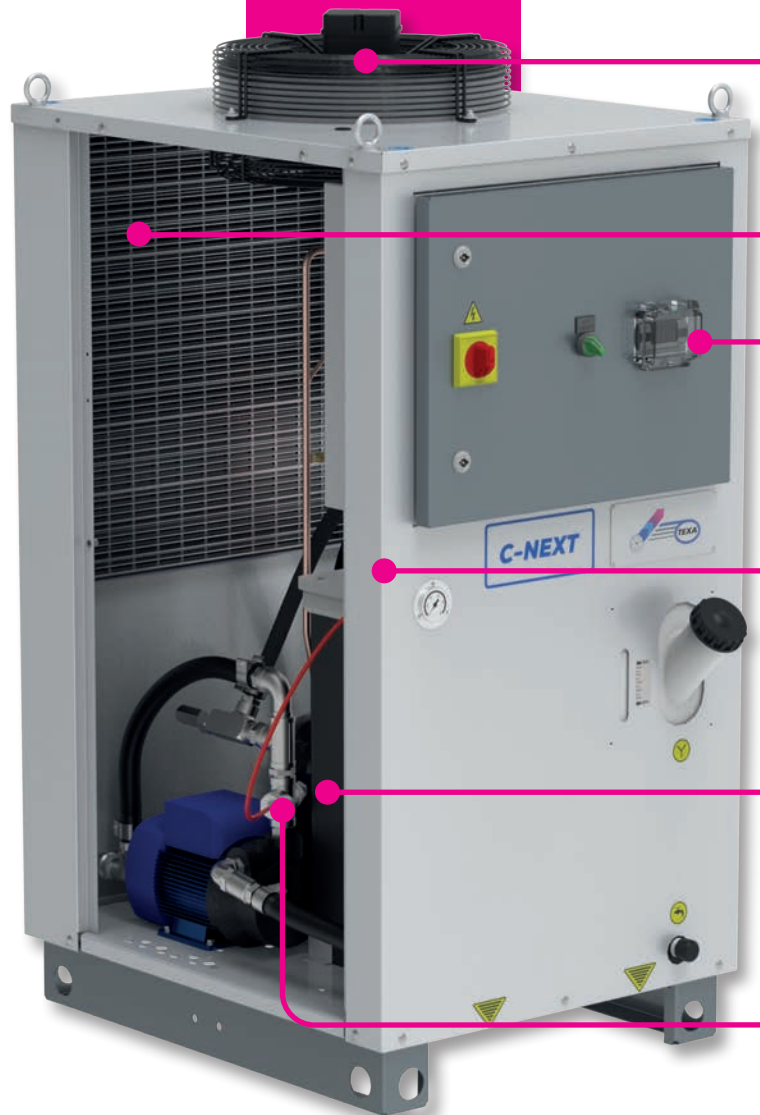
High-precision and high-energy efficiency
industrial chillers.



At the heart of technology

There are numerous reasons to choose a texa industries cooling system

An attention to detail, a huge range of optional accessories and impressive reliability are the key characteristics which set **texa industries industrial chillers** apart.





OUTDOOR KIT

All chillers of the C-NEXT range can be provided for installation outdoors with operating limits of -5°C or -20°C .



NEGATIVE COLD

Where temperatures of the cooling medium of as low as -5°C are required, we offer a specific range of chillers borne from our experience in the food and industrial sectors.



EC FANS

The entire C-NEXT range can be provided with electronically commutated EC fans that ensure extremely high performance levels and low energy use.



MICROCHANNEL CONDENSERS

The C-NEXT range was developed with the use of all-aluminium microchannel condensers, a technology that maximises efficiency and reduces the amount of refrigerant.



FLEXIBILITY

The C-NEXT range is designed for over 40 configuration options, whether UL-certified electrical cabinet or stainless steel framework. We ensure customers maximum flexibility and customisation capabilities for the required solution.



SIMPLE AND COMPACT LAYOUT

The C-NEXT range has been designed with a small footprint. By utilizing vertical space, it leaves customers more space for their application.



COOLING PRECISION

Our experience in high-precision applications has led us to develop two kits, mainly created for laser applications, where a precision of $\pm 1^{\circ}\text{C}$ or $\pm 0.5^{\circ}\text{C}$ can be achieved.



NON-FERROUS LIQUID CIRCUIT (STAINLESS STEEL AND BRASS)

All the liquid circuits of our industrial chillers are equipped as standard with pumps, unions and collection tanks in materials not subject to corrosion, primarily stainless steel and brass. This allows us to guarantee the maximum cleanliness and protection of your cooling circuits.

TCW - TAL

Industrial water chillers

TCW-TAL water chillers provide precision and reliability in a compact and modular design. With outputs from 800W up to 140 kW. The large range of accessories allows multiple chiller configurations.



TCW08÷19 Minichiller

Industrial water chillers

COOLING CAPACITY

900-1100 - 1600-1900 - 2200-2550 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panel

COMPRESSOR

Hermetic reciprocating compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, expansion valve, high- and low-pressure safety pressure switch, R134a refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Finned high-efficiency copper tube condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with electrical protection and safety grille.

LIQUID CIRCUIT

Liquid circuit composed entirely of non-ferrous material in contact with the liquid to prevent contamination. Standard liquid circuit with open reservoir and pump, protective flow switch, pressure gauge, regulation sensor. Peripheral electric pump with 4.5 bar available head. Plastic storage tank complete with drain valve and visual level indicator.

ELECTRICAL PANEL

With main breaker, fused motor protection with LED visual fault indicator, voltage presence light.

MANAGEMENT AND CONTROL

The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration or liquid circuit. An on-off contact allows the machine to be switched on remotely. Control disconnect switch for switching on the machine.

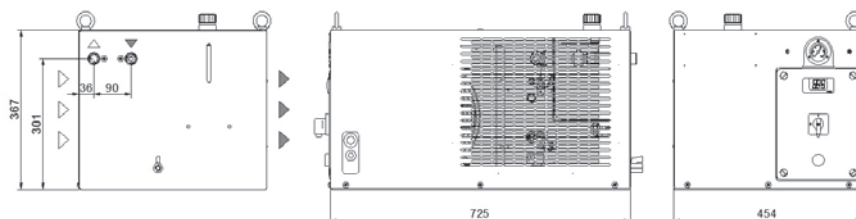
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- BM - Manual bypass valve protecting the pump
- LE - Level indicator
- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- LS - Liquid circuit for laser application
- HIGH-pressure pump
- Satin AISI 304 stainless steel framework

DIMENSIONS



| Model | | TCW08 | | TCW12 | | TCW19 | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------|------|------------|------|------------|------|
| | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 900 | 1100 | 1600 | 1900 | 2200 | 2550 |
| Ambient temperature operating limits | °C | +15 - +45 | | | | | |
| Settable fluid temperature range | °C | +8 - +25 | | | | | |
| Fluid type | | Water | | | | | |
| Temperature precision | K | +/-2 | | | | | |
| Refrigerant gas | HFC | R134a | | | | | |
| Power supply | | | | | | | |
| Supply voltage | V ph Hz | 230V (+/-10%) 1ph 50/60Hz | | | | | |
| Secondary supply voltage | V | 230 | | | | | |
| Digital thermostat | | TX110 | | | | | |
| Compressor | | | | | | | |
| Compressor type | | Reciprocating | | | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | | | |
| Axial Fan | | | | | | | |
| Fan type | | Axial | | | | | |
| Quantity | no. | 1 | | 1 | | 1 | |
| Air flow rate | m³/h | 1000 | | 1000 | | 1000 | |
| Max. power draw | W | 150 | 190 | 150 | 190 | 150 | 190 |
| Standard Pump | | | | | | | |
| Pump type | | Peripheral | | | | | |
| Nominal/max fluid flow rate | l/min | 3.0 - 20.0 | | 5.0 - 20.0 | | 6.5 - 20.0 | |
| Nominal available head | bar | 5.4 | 7.6 | 4.6 | 6.7 | 4 | 6 |
| High-Pressure Pump (optional) | | | | | | | |
| Pump type | | Peripheral | | | | | |
| Quantity | no. | 1 | | 1 | | 1 | |
| Nominal available head | bar | 6.5 | 8.4 | 6 | 7.9 | 5.8 | 7.6 |
| | | | | | | | |
| Storage tank capacity | l | 10 | | | | | |
| IN/OUT liquid connections | mm | 1/2" | | | | | |
| Net weight | kg | 52 | | 54 | | 55 | |
| Width - Depth - Height | mm | 725 - 454 - 367 | | | | | |
| Sound pressure level** | dB(A) | 56 | | 56 | | 56 | |
| | | | | | | | |
| * Data relating to operation under the following conditions: intake/outlet temperature 20/15°C, water without glycol, ambient temperature 32°C. Cooling power refers to the evaporator unit. | | | | | | | |
| ** Sound pressure level at 50Hz, measured in a free hemispherical field at a distance of 1 m from the machine and 1.5 metres from the ground, per ISO 3746. | | | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|---|------|------|------|------|------|------|------|------|------|------|
| Water outlet temperature | Fw | °C | | | | | 8 | 10 | 15 | 20 | 25 | | |
| | | factor | | | | | 0.86 | 0.92 | 1 | 1.05 | 1.12 | | |
| Ambient Temperature | Fa | °C | | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | | 1.16 | 1.1 | 1.05 | 1 | 0.97 | 0.91 | 0.84 |
| Percentage glycol by weight | Fg | % | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | | | |
| | | factor | 1 | 0.99 | 0.98 | 0.97 | 0.96 | 0.94 | 0.92 | 0.89 | | | |
| Cooling power = Nominal cooling power x Fw x Fa x Fg | | | | | | | | | | | | | |

TCW31-41 Minichiller HP

Industrial water chillers

COOLING CAPACITY

3000-3450 - 3900-4450 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panel

COMPRESSOR

Hermetic reciprocating compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, expansion valve, high- and low-pressure safety pressure switch, thermostatic valve.
R134a refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Finned high-efficiency copper tube condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with electrical thermal protection and safety grille.

LIQUID CIRCUIT

Liquid circuit composed entirely of non-ferrous material in contact with the liquid to prevent contamination. Standard liquid circuit with open reservoir and pump, protective flow switch, pressure gauge, regulation sensor. Peripheral electric pump with 4.5 bar available head. Plastic storage tank complete with drain valve and visual level indicator.

ELECTRICAL PANEL

With main breaker, fused motor protection with LED visual fault indicator, voltage presence light.

MANAGEMENT AND CONTROL

The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration or liquid circuit. An on-off contact allows the machine to be switched on remotely. Control disconnect switch for switching on the machine.

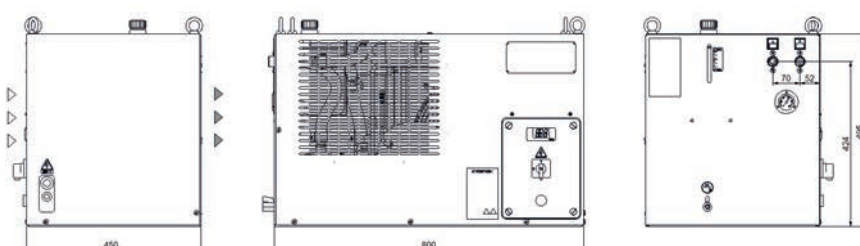
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- BM - Manual bypass valve protecting the pump
- LE - Electrical level indicator
- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- HIGH-pressure pump
- Non-standard paint/coating
- Satin AISI 304 stainless steel framework

DIMENSIONS



| Model | | TCW31 | | TCW41 | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------|------|---------|------|
| | | 50Hz | 60Hz | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 3000 | 3450 | 3900 | 4450 |
| Ambient temperature operating limits | °C | +15 - +45 | | | |
| Settable fluid temperature range | °C | +8 - +25 | | | |
| Fluid type | | Water | | | |
| Temperature precision | K | +/-2 | | | |
| Refrigerant gas | HFC | R134a | | | |
| Power supply | | | | | |
| Supply voltage | V ph Hz | 230V (+/-10%) 1ph 50/60Hz | | | |
| Secondary supply voltage | V | 230 | | | |
| Digital thermostat | | TX110 | | | |
| Compressor | | | | | |
| Compressor type | | Reciprocating | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | |
| Max. power draw | kW | 1.15 | 1.5 | 1.6 | 1.92 |
| Max. current draw | A | 6.1 | 8.1 | 7.2 | 8.4 |
| Axial Fan | | | | | |
| Compressor type | | Axial | | | |
| Quantity | no. | 1 | | 1 | |
| Air flow rate | m³/h | 2300 | 2650 | 2300 | 2650 |
| Max. power draw | W | 180 | 250 | 180 | 250 |
| Max. current draw | A | 0.81 | 1.1 | 0.81 | 1.1 |
| Standard Pump | | | | | |
| Pump type | | Peripheral | | | |
| Quantity | no. | 1 | | 1 | |
| Nominal/max fluid flow rate | l/min | 6.5 - 20 | | 11 - 20 | |
| Nominal available head | bar | 4 | 6 | 2.8 | 4 |
| Available power draw | kW | 0.75 | 0.75 | 0.75 | 0.75 |
| Max. current draw | A | 2.8 | 3.7 | 2.8 | 3.7 |
| High-Pressure Pump (optional) | | | | | |
| Pump type | | Peripheral | | | |
| Quantity | no. | 1 | | 1 | |
| Nominal available head | bar | 5.8 | 7.6 | 4.9 | 6.6 |
| Max. power draw | kW | 1.29 | 1.29 | 1.29 | 1.29 |
| Max. current draw | A | 5 | 6 | 5 | 6 |
| | | | | | |
| Storage tank capacity | l | 10 | | | |
| IN/OUT liquid connections | mm | 1/2" | | | |
| Net weight (approximate)*** | kg | 74 | | 75 | |
| Width - Depth - Height | mm | 800 - 450 - 495 | | | |
| Sound pressure level** | dB(A) | 57 | 60 | 57 | 60 |
| IP rating | IP | 44 | | | |
| | | | | | |
| * Data relating to operation under the following conditions: intake/outlet temperature 20/15°C, water without glycol, ambient temperature 32°C. Cooling power refers to the evaporator unit. | | | | | |
| ** Sound pressure level at 50Hz, measured in a free hemispherical field at a distance of 1 m from the machine and 1.5 metres from the ground, per ISO 3746. | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, storage tank empty, axial fans. | | | | | |
| The electrical data refer to cos φ = 0.8. | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|---|------|------|------|------|------|------|------|------|------|------|
| Water outlet temperature | Fw | °C | | | | | 8 | 10 | 15 | 20 | 25 | | |
| | | factor | | | | | 0.86 | 0.92 | 1 | 1.05 | 1.12 | | |
| Ambient Temperature | Fa | °C | | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | | 1.16 | 1.1 | 1.05 | 1 | 0.97 | 0.91 | 0.84 |
| Percentage glycol by weight | Fg | % | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | | | |
| | | factor | 1 | 0.99 | 0.98 | 0.97 | 0.96 | 0.94 | 0.92 | 0.89 | | | |
| Cooling power = Nominal cooling power x Fw x Fa x Fg | | | | | | | | | | | | | |

Industrial water chillers**COOLING CAPACITY****2300-2700 - 3600-4200 W****STRUCTURE**

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic reciprocating compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, expansion valve, high-pressure pressure switch, R134a refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

LIQUID CIRCUIT

Non-ferrous liquid circuit composed of peripheral electric pump, storage tank made of plastic material complete with integrated visual level indicator, 0-10 bar pressure gauge, protective flow switch, regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, fused motor protection.

MANAGEMENT AND CONTROL

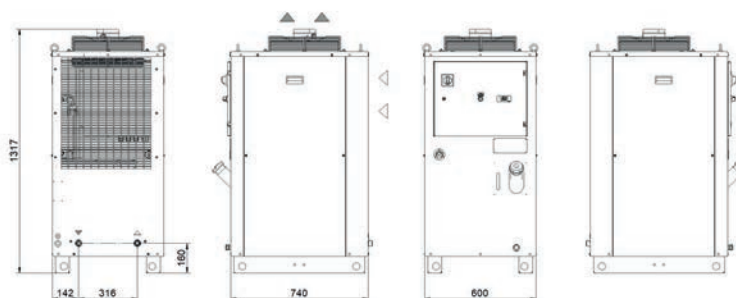
The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration or liquid circuit. An on-off contact allows the machine to be switched on remotely (pump included). Control disconnect switch for switching on the machine.

PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- BGP - Hot gas bypass for +/- 0.5 K temperature precision
- LS - Liquid circuit for laser application
- UL1 - Electrical panel and UL-certified components
- LTW - Water temperature range -10/+5 °C
- HIGH-pressure pump version "H" - 5 bar, version "R" - 7 bar.
- Outdoor installation options

DIMENSIONS

| Model | | TAL24 | | TAL37 | |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------|------|-------------|------|
| | | 50Hz | 60Hz | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 2300 | 2700 | 3600 | 4200 |
| Ambient temperature operating limits | °C | +15 - +45 | | | |
| Settable fluid temperature range | °C | +8 - +25 | | | |
| Fluid type | | Water | | | |
| Temperature precision | K | +/-2 | | | |
| Refrigerant gas | HFC | R134a | | | |
| Power supply | | | | | |
| Supply voltage | V ph Hz | 230V (+/-10%) 1ph 50/60Hz | | | |
| Secondary supply voltage | V | 230 V AC | | | |
| Digital thermostat | | TX110 | | | |
| Compressor | | | | | |
| Compressor type | | Reciprocating | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | |
| Nominal power draw | kW | 0.84 | 1.04 | 1.16 | 1.5 |
| Axial Fan | | | | | |
| Fan type | | Axial | | | |
| Quantity | no. | 1 | | | |
| Air flow rate | m³/h | 1250 - 1650 | | 1550 - 2050 | |
| Centrifugal Fan (optional) | | | | | |
| Fan type | | Centrifugal | | | |
| Quantity | no. | 1 | | | |
| Air flow rate | m³/h | 2100 - 2400 | | 2100 - 2400 | |
| Available head | Pa | 250 | | | |
| Standard Pump | | | | | |
| Pump type | | Peripheral | | | |
| Quantity | no. | 1 | | | |
| Nominal/max fluid flow rate | l/min | 7 - 18 | | 10 - 18 | |
| Nominal available head | bar | 3.8 | 5.8 | 3.1 | 4.5 |
| High-Pressure Pump (optional) | | | | | |
| Pump type | | Peripheral | | | |
| Quantity | no. | 1 | | | |
| Nominal available head | bar | 5.6 | 7.5 | 5 | 6.8 |
| | | | | | |
| Storage tank capacity | l | 50 | | | |
| IN/OUT liquid connections | inch | 3/4" | | | |
| Net weight (approximate)*** | kg | 151 | | 153 | |
| Width - Depth - Height | mm | 600 - 740 - 1317 | | | |
| Sound pressure level** | dB(A) | 57 | 60 | 57 | 60 |
| * Data relates to operation under the following conditions: inlet/outlet temp. 20/15°C, water without glycol, ambient temperature 32°C. | | | | | |
| ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, storage tank empty, axial fans. | | | | | |
| The electrical data refer to cos φ = 0.8. | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|---|------|------|------|------|------|------|------|------|------|------|
| Water outlet temperature | Fw | °C | | | | | 8 | 10 | 15 | 20 | 25 | | |
| | | factor | | | | | 0.69 | 0.77 | 1 | 1.22 | 1.44 | | |
| Ambient Temperature | Fa | °C | | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | | 1.26 | 1.2 | 1.11 | 1 | 0.95 | 0.87 | 0.80 |
| Percentage glycol by weight | Fg | % | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | | | |
| | | factor | 1 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 | 0.90 | 0.88 | | | |
| Cooling power = Nominal cooling power x Fw x Fa x Fg | | | | | | | | | | | | | |

Industrial water chillers

COOLING CAPACITY

2900 - 3600 - 4550 - 6000 - 8100 - 9550 - 10900 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic Reciprocating or Scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, expansion or thermostatic valve, high-pressure pressure switch, R134a refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

LIQUID CIRCUIT

Non-ferrous liquid circuit composed of centrifugal electric pump, storage tank made of plastic material complete with integrated visual level indicator, 0-10 bar pressure gauge, protective flow switch, regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL

The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration or liquid circuit. An on-off contact allows the machine to be switched on remotely (pump included). Control disconnect switch for switching on the machine.

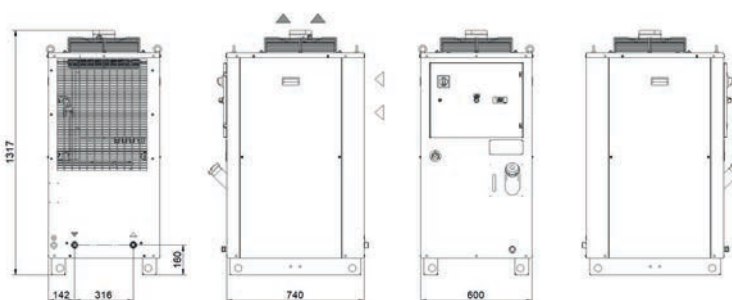
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- BGP - Hot gas bypass for +/- 0.5 K temperature precision
- LS - Liquid circuit for laser application
- UL1 - Electrical panel and UL-certified components
- LTW - Water temperature range -10/+5 °C
- HIGH-pressure pump version "H" - 5 bar, version "R" - 7 bar.
- Outdoor installation options

DIMENSIONS



| Model | | TAL29 | TAL37 | TAL46 | TAL57 | TAL76 | TAL93 | TALAO |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Rated Cooling Capacity* | W | 2900 | 3600 | 4550 | 6000 | 8100 | 9550 | 10900 |
| Ambient temperature operating limits | °C | +15 - +45 | | | | | | |
| Settable fluid temperature range | °C | +8 - +25 | | | | | | |
| Fluid type | | Water | | | | | | |
| Temperature precision | K | +/-2 | | | | | | |
| Refrigerant gas | HFC | R134a | | | | | | |
| Power supply | | | | | | | | |
| Supply voltage | V ph Hz | 400V (+/-10%) 3ph 50Hz | | | | | | |
| Secondary supply voltage | V | 230 V AC | | | | | | |
| Digital thermostat | | TX110 | | | | | | |
| Compressor | | | | | | | | |
| Compressor type | | Reciprocating | | | | Scroll | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | | | | |
| Nominal power draw | kW | 0.78 | 1.16 | 1.42 | 2.42 | 2.21 | 2.60 | 2.73 |
| Axial Fan | | | | | | | | |
| Fan type | | Axial | | | | | | |
| Quantity | no. | 1 | | | | | | |
| Air flow rate | m³/h | 1550 | 1550 | 1800 | 1800 | 3150 | 3350 | 4400 |
| Centrifugal Fan (optional) | | | | | | | | |
| Fan type | | Centrifugal | | | | | | |
| Quantity | no. | 1 | | | | | | |
| Air flow rate | m³/h | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 |
| Available head | Pa | 250 | | | | | | |
| Standard Pump | | | | | | | | |
| Pump type | | Centrifugal | | | | | | |
| Quantity | no. | 1 | | | | | | |
| Nominal/max fluid flow rate | l/min | 8 - 40 | 10 - 40 | 12.5 - 40 | 16 - 40 | 21 - 70 | 26 - 70 | 31.5 - 70 |
| Nominal available head | bar | 3 | 2.9 | 2.8 | 2.7 | 3.1 | 3 | 2.8 |
| High-Pressure Pump (optional) | | | | | | | | |
| Pump type | | Centrifugal | | | | | | |
| Quantity | no. | 1 | | | | | | |
| Nominal available head | bar | 5.1 | 4.9 | 4.8 | 4.6 | 5.5 | 5.3 | 5.1 |
| | | | | | | | | |
| Storage tank capacity | l | 50 | | | | | | |
| IN/OUT liquid connections | inch | 3/4" | | | | | | |
| Net weight (approximate)*** | kg | 151 | 153 | 155 | 160 | 165 | 170 | 175 |
| Width - Depth - Height | mm | 600 - 740 - 1317 | | | | | | |
| Sound pressure level** | dB(A) | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| * Data relates to operation under the following conditions: inlet/outlet temp. 20/15°C, water without glycol, ambient temperature 32°C. | | | | | | | | |
| ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. | | | | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, storage tank empty, axial fans. | | | | | | | | |
| The electrical data refer to cos ϕ = 0.8. | | | | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|---|------|------|------|------|------|------|------|------|------|------|
| Water outlet temperature | Fw | °C | | | | | 8 | 10 | 15 | 20 | 25 | | |
| | | factor | | | | | 0.69 | 0.77 | 1 | 1.22 | 1.44 | | |
| Ambient Temperature | Fa | °C | | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | | 1.26 | 1.2 | 1.11 | 1 | 0.95 | 0.87 | 0.80 |
| Percentage glycol by weight | Fg | % | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | | | |
| | | factor | 1 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 | 0.90 | 0.88 | | | |
| Cooling power = Nominal cooling power x Fw x Fa x Fg | | | | | | | | | | | | | |

Industrial water chillers

COOLING CAPACITY

11400 - 12400 - 17800 - 20100 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, liquid receiver, drier filter, thermostatic valve, high- and low-pressure pressure switch, R410A refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

LIQUID CIRCUIT

Non-ferrous liquid circuit composed of stainless steel centrifugal electric pump, storage tank made of plastic material complete with integrated visual level indicator, electrical level indicator, 0-10 bar pressure gauge, differential pressure switch protecting the water flow, regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL

The TX200 control unit manages the operation of the chiller and provides complete operator alarm diagnostics. An on-off contact allows the machine to be switched on remotely. Illuminated control selector. Possibility of remote display for machine regulation.

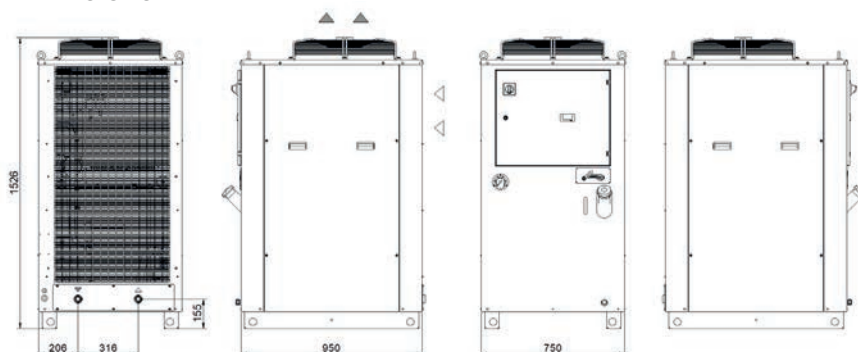
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- FL - Flow switch with alarm contact
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- LS - Liquid circuit for laser application
- HP/HS - Harting-type connector
- HIGH-pressure pump version "H" - 5 bar, version "R" - 7 bar.
- Outdoor installation options

DIMENSIONS



| Model | | TALA1 | TALA3 | TALA5 | TALA8 |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|---------|---------|---------|
| Rated Cooling Capacity* | W | 11400 | 12400 | 17800 | 20100 |
| Ambient temperature operating limits | °C | +15 - +45 | | | |
| Settable fluid temperature range | °C | +8 - +25 | | | |
| Fluid type | | Water | | | |
| Temperature precision | K | +/-2 | | | |
| Refrigerant gas | HFC | R410A | | | |
| Power supply | | | | | |
| Supply voltage | V ph Hz | 400V (+/-10%) 3ph 50Hz | | | |
| Secondary supply voltage | V | 24 V AC | | | |
| Digital thermostat | | TX200 | | | |
| Compressor | | | | | |
| Compressor type | | Scroll | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | |
| Nominal power draw | kW | 3.03 | 3.12 | 4.08 | 4.91 |
| Axial Fan | | | | | |
| Fan type | | Axial | | | |
| Quantity | no. | 1 | | | |
| Air flow rate | m³/h | 6500 | 6500 | 6500 | 6500 |
| Centrifugal Fan (optional) | | | | | |
| Fan type | | Centrifugal | | | |
| Quantity | no. | 1 | | | |
| Air flow rate | m³/h | 6500 | 6500 | 6500 | 6500 |
| Available head | Pa | 250 | | | |
| Standard Pump | | | | | |
| Pump type | | Centrifugal | | | |
| Quantity | no. | 1 | | | |
| Nominal/max fluid flow rate | l/min | 31 - 70 | 35 - 70 | 50 - 70 | 58 - 70 |
| Nominal available head | bar | 3.7 | 3.5 | 2.8 | 2.5 |
| High-Pressure Pump (optional) | | | | | |
| Pump type | | Centrifugal | | | |
| Quantity | no. | 1 | | | |
| Nominal available head | bar | 5.2 | 5 | 5 | 4.2 |
| | | | | | |
| Storage tank capacity | l | 130 | | | |
| IN/OUT liquid connections | inch | 1" | | | |
| Net weight (approximate)*** | kg | 200 | 200 | 235 | 235 |
| Width - Depth - Height | mm | 750 - 950 - 1526 | | | |
| Sound pressure level** | dB(A) | 67 | 67 | 67 | 67 |
| * Data relates to operation under the following conditions: inlet/outlet temp. 20/15°C, water without glycol, ambient temperature 32°C. | | | | | |
| ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, storage tank empty, axial fans. | | | | | |
| The electrical data refer to cos φ = 0.8. | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|---|------|------|------|------|------|------|------|------|------|------|
| Water outlet temperature | Fw | °C | | | | | 8 | 10 | 15 | 20 | 25 | | |
| | | factor | | | | | 0.76 | 0.82 | 1 | 1.22 | 1.43 | | |
| Ambient Temperature | Fa | °C | | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | | 1.26 | 1.2 | 1.12 | 1 | 0.95 | 0.87 | 0.80 |
| Percentage glycol by weight | Fg | % | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | | | |
| | | factor | 1 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 | 0.90 | 0.88 | | | |
| Cooling power = Nominal cooling power x Fw x Fa x Fg | | | | | | | | | | | | | |

Industrial water chillers

COOLING CAPACITY

24800 - 29000 - 35800 W



material complete with integrated visual level indicator, electrical level indicator, 0-10 bar pressure gauge, differential pressure switch protecting the water flow, automatic by-pass and regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL

The TX200 control unit manages the operation of the chiller and provides complete operator alarm diagnostics. An on-off contact allows the machine to be switched on remotely. Illuminated control selector. Possibility of remote display for machine regulation.

STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, liquid receiver, drier filter, thermostatic valve, high- and low-pressure pressure switch, R410A refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

LIQUID CIRCUIT

Non-ferrous liquid circuit composed of stainless steel centrifugal electric pump, storage tank made of plastic

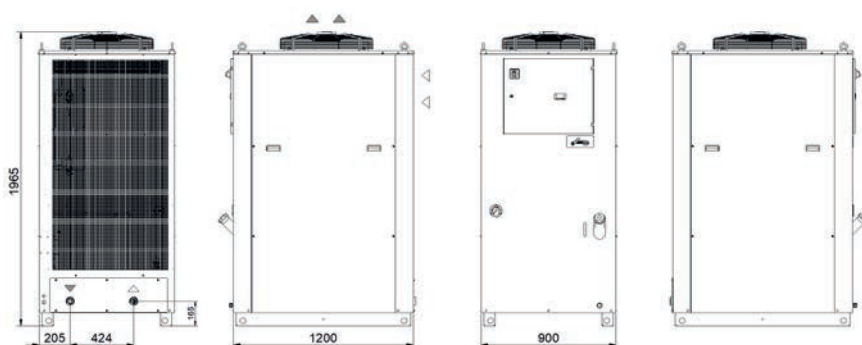
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- FL - Flow switch with alarm contact
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- LS - Liquid circuit for laser application
- HP/HS - Harting-type connector
- HIGH-pressure pump version "H" - 5 bar, version "R" - 7 bar.
- Outdoor installation options

DIMENSIONS



| Model | | TALB5 | TALB9 | TALC5 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|----------|-----------|
| Rated Cooling Capacity* | W | 24800 | 29000 | 35800 |
| Ambient temperature operating limits | °C | +15 - +45 | | |
| Settable fluid temperature range | °C | +8 - +25 | | |
| Fluid type | | Water | | |
| Temperature precision | K | +/-2 | | |
| Refrigerant gas | HFC | R410A | | |
| Power supply | | | | |
| Supply voltage | V ph Hz | 400V (+/-10%) 3ph 50Hz | | |
| Secondary supply voltage | V | 24 V AC | | |
| Digital thermostat | | TX200 | | |
| Compressor | | | | |
| Compressor type | | Scroll | | |
| Quantity - Number of circuits | no. | 1 - 1 | | |
| Nominal power draw | kW | 6.4 | 7.4 | 8.6 |
| Axial Fan | | | | |
| Fan type | | Axial | | |
| Quantity | no. | 1 | | |
| Air flow rate | m³/h | 8300 | 9700 | 11500 |
| Centrifugal Fan (optional) | | | | |
| Fan type | | Centrifugal | | |
| Quantity | no. | 1 | | |
| Air flow rate | m³/h | 8300 | 9700 | 11500 |
| Available head | Pa | 370 | 180 | 100 |
| Standard Pump | | | | |
| Pump type | | Centrifugal | | |
| Quantity | no. | 1 | | |
| Nominal/max fluid flow rate | l/min | 79 - 150 | 92 - 150 | 100 - 150 |
| Nominal available head | bar | 3.5 | 3.2 | 3.0 |
| High-Pressure Pump (optional) | | | | |
| Pump type | | Centrifugal | | |
| Quantity | no. | 1 | | |
| Nominal available head | bar | 5.4 | 5.1 | 4.9 |
| | | | | |
| Storage tank capacity | l | 130 | | |
| IN/OUT liquid connections | inch | 1 1/2" | | |
| Net weight (approximate)*** | kg | 260 | 260 | 260 |
| Width - Depth - Height | mm | 900 - 1200 - 1965 | | |
| Sound pressure level** | dB(A) | 67 | 67 | 67 |
| * Data relates to operation under the following conditions: inlet/outlet temp. 20/15°C, water without glycol, ambient temperature 32°C. ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. *** Weight includes pallets and packaging (where provided for), with refrigerant charge, storage tank empty, axial fans. The electrical data refer to cos φ = 0.8. | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|---|------|------|------|------|------|------|------|------|------|------|
| Water outlet temperature | Fw | °C | | | | | 8 | 10 | 15 | 20 | 25 | | |
| | | factor | | | | | 0.79 | 0.84 | 1 | 1.18 | 1.37 | | |
| Ambient Temperature | Fa | °C | | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | | 1.25 | 1.2 | 1.09 | 1 | 0.97 | 0.91 | 0.87 |
| Percentage glycol by weight | Fg | % | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | | | |
| | | factor | 1 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 | 0.90 | 0.88 | | | |
| Cooling power = Nominal cooling power x Fw x Fa x Fg | | | | | | | | | | | | | |

Industrial water chillers

COOLING CAPACITY

40000 - 47000 - 55000 - 67000 W



pump, storage tank made of plastic material complete with drain valve, electrical level indicator, 0-10 bar pressure gauge, differential pressure switch protecting the water flow, automatic by-pass and regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL

The TX350C control unit manages the operation of the chiller and provides complete operator alarm diagnostics. An on-off contact allows the machine to be switched on remotely. Illuminated control selector. RS485 connection. Possibility of remote display for machine regulation.

STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, liquid receiver, drier filter, thermostatic valve, high- and low-pressure pressure switch, R410A refrigerant. Optional 2-step cooling power regulation (standard on TALF8).

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

LIQUID CIRCUIT

Non-ferrous liquid circuit composed of stainless steel centrifugal electric

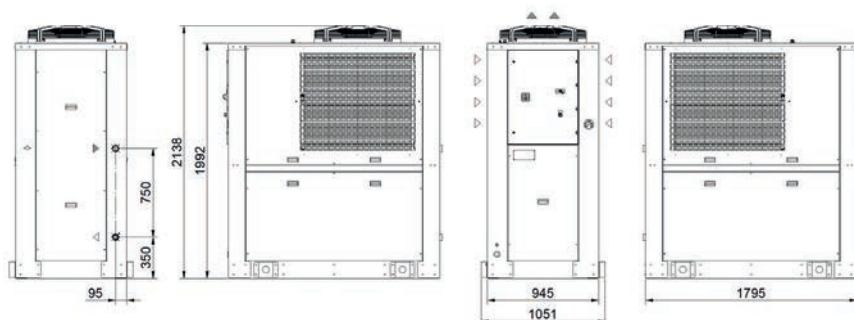
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- FL - Flow switch with alarm contact
- HR - Fluid heating element
- OM - Unit built for outdoor operation down to -10 °C ambient temp.
- OML - Unit built for outdoor operation down to -20 °C ambient temp.
- FP - Polyurethane air filter
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- LS - Liquid circuit for laser application
- HIGH-pressure pump version "H" - 5 bar

DIMENSIONS



| Model | | TALD0 | TALD9 | TALE6 | TALF8 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|-----------|-----------|-----------|
| Rated Cooling Capacity* | W | 40000 | 47000 | 55000 | 67000 |
| Ambient temperature operating limits | °C | +15 - +45 | | | |
| Settable fluid temperature range | °C | +8 - +25 | | | |
| Fluid type | | Water | | | |
| Temperature precision | K | +/-2 | | | |
| Refrigerant gas | HFC | R410A | | | |
| Power supply | | | | | |
| Supply voltage | V ph Hz | 400V (+/-10%) 3ph 50Hz | | | |
| Secondary supply voltage | V | 24 V AC | | | |
| Digital thermostat | | TX350C | | | |
| Compressor | | | | | |
| Compressor type | | Scroll | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | 2 - 1 |
| Max. power draw | kW | 9.4 | 10.4 | 12.1 | 25.0 |
| Axial Fan | | | | | |
| Fan type | | Axial | | | |
| Quantity | no. | 1 | 1 | 1 | 1 |
| Air flow rate | m³/h | 12600 | 14400 | 16000 | 24000 |
| Centrifugal Fan (optional) | | | | | |
| Fan type | | Centrifugal | | | |
| Quantity | no. | 1 | 1 | 1 | 1 |
| Air flow rate | m³/h | 12600 | 14400 | 16000 | 24000 |
| Available head | Pa | 570 | 350 | 200 | 150 |
| Standard Pump | | | | | |
| Pump type | | Centrifugal | | | |
| Quantity | no. | 1 | 1 | 1 | 1 |
| Nominal/max fluid flow rate | l/min | 115 - 230 | 135 - 230 | 158 - 230 | 200 - 230 |
| Nominal available head | bar | 3.8 | 3.6 | 4.6 | 3.8 |
| High Pressure Pump | | | | | |
| Pump type | | Centrifugal | | | |
| Quantity | no. | 1 | 1 | 1 | 1 |
| Nominal available head | bar | 6.5 | 6.2 | 6.7 | 5.7 |
| | | | | | |
| Storage tank capacity | l | 200 | | | |
| IN/OUT liquid connections | inch | 1 1/2" | | | |
| Net weight (approximate)*** | kg | 580 | 600 | 600 | 600 |
| Width - Depth - Height | mm | 945 - 1795 - 2138 | | | |
| Sound pressure level** | dB(A) | 75 | 75 | 75 | 78 |
| * Data relates to operation under the following conditions: inlet/outlet temp. 20/15°C, water without glycol, ambient temperature 32°C. ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. *** Weight includes pallets and packaging (where provided for), with refrigerant charge, storage tank empty, axial fans. The electrical data refer to cos φ = 0.8. | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|---|------|------|------|------|------|------|------|------|------|------|
| Water outlet temperature | Fw | °C | | | | | 8 | 10 | 15 | 20 | 25 | | |
| | | factor | | | | | 0.77 | 0.83 | 1 | 1.20 | 1.41 | | |
| Ambient Temperature | Fa | °C | | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | | 1.27 | 1.2 | 1.13 | 1 | 0.95 | 0.86 | 0.80 |
| Percentage glycol by weight | Fg | % | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | | | |
| | | factor | 1 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 | 0.90 | 0.88 | | | |
| Cooling power = Nominal cooling power x Fw x Fa x Fg | | | | | | | | | | | | | |

Industrial water chillers

COOLING CAPACITY

80000 - 94000 - 110000 - 134000 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, liquid receiver, drier filter, thermostatic valve, high- and low-pressure pressure switch, R410A refrigerant. Stepped cooling power regulation - 2 steps standard / 4 steps optional (standard on TALO6).

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

LIQUID CIRCUIT

Non-ferrous liquid circuit composed

of stainless steel centrifugal electric pump, storage tank made of plastic material complete with drain valve, electrical level indicator, 0-10 bar pressure gauge, differential pressure switch protecting the water flow, automatic by-pass and regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL

The TX350C control unit manages the operation of the chiller and provides complete operator alarm diagnostics. An on-off contact allows the machine to be switched on remotely. Illuminated control selector. RS485 connection. Possibility of remote display for machine regulation.

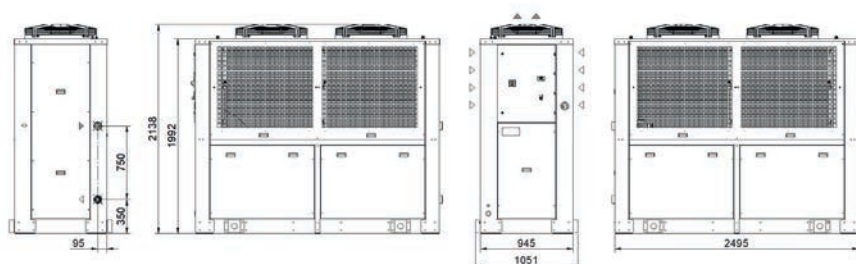
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- FL - Flow switch with alarm contact
- HR - Fluid heating element
- OM - Unit built for outdoor operation down to -10 °C ambient temp.
- OML - Unit built for outdoor operation down to -20 °C ambient temp.
- FP - Polyurethane air filter
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- LS - Liquid circuit for laser application
- HIGH-pressure pump version "H" - 5 bar

DIMENSIONS



| Model | | TALG9 | TALI4 | TALM0 | TALO6 |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|-----------|-----------|-----------|
| Rated Cooling Capacity* | W | 80000 | 94000 | 110000 | 134000 |
| Ambient temperature operating limits | °C | +15 - +45 | | | |
| Settable fluid temperature range | °C | +8 - +25 | | | |
| Fluid type | | Water | | | |
| Temperature precision | K | +/-2 | | | |
| Refrigerant gas | HFC | R410A | | | |
| Power supply | | | | | |
| Supply voltage | V ph Hz | 400V (+/-10%) 3ph 50Hz | | | |
| Secondary supply voltage | V | 24 V AC | | | |
| Digital thermostat | | TX350C | | | |
| Compressor | | | | | |
| Compressor type | | Scroll | | | |
| Quantity - Number of circuits | no. | 2 - 2 | | | 4 - 2 |
| Max. power draw | kW | 18.8 | 20.8 | 24.2 | 50.0 |
| Axial Fan | | | | | |
| Fan type | | Axial | | | |
| Quantity | no. | 2 | 2 | 2 | 2 |
| Air flow rate | m³/h | 25200 | 28800 | 32000 | 48000 |
| Centrifugal Fan (optional) | | | | | |
| Fan type | | Centrifugal | | | |
| Quantity | no. | 2 | 2 | 2 | 2 |
| Air flow rate | m³/h | 25200 | 28800 | 32000 | 48000 |
| Available head | Pa | 570 | 350 | 200 | 150 |
| Standard Pump | | | | | |
| Pump type | | Centrifugal | | | |
| Quantity | no. | 1 | 1 | 1 | 1 |
| Nominal/max fluid flow rate | l/min | 230 - 400 | 270 - 400 | 316 - 400 | 400 - 400 |
| Nominal available head | bar | 4.7 | 4.4 | 4 | 3.6 |
| High Pressure Pump | | | | | |
| Pump type | | Centrifugal | | | |
| Quantity | no. | 1 | 1 | 1 | 1 |
| Nominal available head | bar | 6 | 5.5 | 5 | 5 |
| | | | | | |
| Storage tank capacity | l | 300 | | | |
| IN/OUT liquid connections | inch | 2"1/2 | | | |
| Net weight (approximate)*** | kg | 730 | 750 | 750 | 750 |
| Width - Depth - Height | mm | 945 - 2495 - 2139 | | | |
| Sound pressure level** | dB(A) | 75 | 75 | 75 | 78 |
| | | | | | |
| * Data relates to operation under the following conditions: inlet/outlet temp. 20/15°C, water without glycol, ambient temperature 32°C. | | | | | |
| ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, storage tank empty, axial fans. | | | | | |
| The electrical data refer to cos φ = 0.8. | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|---|------|------|------|------|------|------|------|------|------|------|
| Water outlet temperature | Fw | °C | | | | | 8 | 10 | 15 | 20 | 25 | | |
| | | factor | | | | | 0.77 | 0.83 | 1 | 1.20 | 1.41 | | |
| Ambient Temperature | Fa | °C | | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | | 1.27 | 1.2 | 1.13 | 1 | 0.95 | 0.86 | 0.80 |
| Percentage glycol by weight | Fg | % | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | | | |
| | | factor | 1 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 | 0.90 | 0.88 | | | |
| Cooling power = Nominal cooling power x Fw x Fa x Fg | | | | | | | | | | | | | |

TCO - TAO

Industrial oil chillers

TCO-TAO oil chillers provide precision and reliability in a compact and modular design. With outputs from 800W up to 67 kW.



TCO08÷19 Minichiller

Industrial oil chillers

COOLING CAPACITY

900-1100 - 1600-1900 - 2200-2550 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic reciprocating compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, expansion valve, high- and low-pressure safety pressure switch, R134a refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Finned high-efficiency copper tube condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with electrical protection and safety grille.

HYDRAULIC CIRCUIT

Hydraulic circuit with gear pump without tank, with maximum available pressure 20 bar, 0-25 bar pressure gauge, regulation temperature sensor. Hydraulic safety with safety low- and high-pressure pressure switch.

ELECTRICAL PANEL

With main breaker, fused motor protection with LED visual fault indicator, voltage presence light.

MANAGEMENT AND CONTROL

The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration or hydraulic circuit. An on-off contact allows the machine to be switched on remotely. Control disconnect switch for switching on the machine.

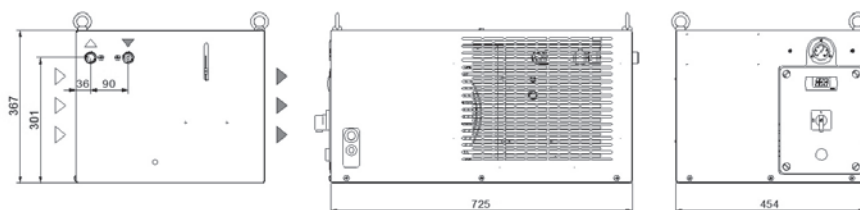
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- FL - Customer flow switch
- Non-standard paint/coating
- Satin AISI 304 stainless steel framework

DIMENSIONS



| Model | | TCO08 | | TCO12 | | TCO19 | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------|------|-------|------|-------|------|
| | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 900 | 1100 | 1600 | 1900 | 2200 | 2550 |
| Ambient temperature operating limits | °C | +15 - +45 | | | | | |
| Settable oil temperature range | °C | +25 - +40 | | | | | |
| Fluid type | | ISO VG 32 | | | | | |
| Temperature precision | K | +/-2 | | | | | |
| Refrigerant gas | HFC | R134a | | | | | |
| Power supply | | | | | | | |
| Supply voltage | V ph Hz | 230V (+/-10%) 1ph 50/60Hz | | | | | |
| Secondary supply voltage | V AC | 230 | | | | | |
| Digital thermostat | | TX110 | | | | | |
| Compressor | | | | | | | |
| Compressor type | | Reciprocating | | | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | | | |
| Max. power draw | kW | 0.5 | 0.6 | 0.7 | 1.1 | 1.0 | 1.15 |
| Max. current draw | A | 2.8 | 3.1 | 4.1 | 4.3 | 6.0 | 6.5 |
| Axial Fan | | | | | | | |
| Fan type | | Axial | | | | | |
| Quantity | no. | 1 | | 1 | | 1 | |
| Air flow rate | m³/h | 1000 | | 1000 | | 1000 | |
| Max. power draw | W | 150 | 190 | 150 | 190 | 150 | 190 |
| Max. current draw | A | 0.66 | 0.85 | 0.66 | 0.85 | 0.66 | 0.85 |
| Standard Pump | | | | | | | |
| Pump type | | Gear pump | | | | | |
| Quantity | no. | 1 | | 1 | | 1 | |
| Nominal fluid flow rate | l/min | 10 | | 10 | | 10 | |
| Nominal available head | bar | 20 | | 20 | | 20 | |
| Max. power draw | kW | 0.55 | | 0.55 | | 0.55 | |
| Max. current draw | A | 4.0 | 4.2 | 4.0 | 4.2 | 4.0 | 4.2 |
| | | | | | | | |
| Storage tank capacity (optional) | l | 10 | | | | | |
| IN/OUT liquid connections | inch | 1/2" | | | | | |
| Net weight (approximate)*** | kg | 59 | | 61 | | 63 | |
| Width - Depth - Height | mm | 725 - 454 - 367 | | | | | |
| Sound pressure level** | dB(A) | 56 | | 56 | | 56 | |
| IP rating | IP | 44 | | | | | |
| | | | | | | | |
| * Data relating to operation under the following conditions: intake/outlet temperature 40/30°C, ISO VG 32 oil, ambient temperature 32°C. Cooling power refers to the evaporator unit. | | | | | | | |
| ** Sound pressure level at 50Hz, measured in a free hemispherical field at a distance of 1 m from the machine and 1.5 metres from the ground, per ISO 3746. | | | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, without storage tank and axial fans. | | | | | | | |
| The electrical data refer to cos φ = 0.8. | | | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|
| Oil outlet temperature | Fo | °C | 20 | 25 | 30 | 35 | | | | | | |
| | | factor | 0.82 | 0.92 | 1 | 1.05 | | | | | | |
| Ambient Temperature | Fa | °C | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | 1.16 | 1.1 | 1.05 | 1 | 0.97 | 0.91 | 0.84 |
| Oil type | Ft | type | ISO VG 10 | | ISO VG 22 | | ISO VG 32 | | ISO VG 46 | | ISO VG 68 | |
| | | factor | 1.15 | | 1.1 | | 1 | | 0.9 | | 0.82 | |
| Cooling power = Nominal cooling power x Fo x Fa x Ft | | | | | | | | | | | | |

TCO31-41 Minichiller HP

Industrial oil chillers

COOLING CAPACITY

3000-3450 - 3900-4450 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic reciprocating compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, expansion valve, high- and low-pressure safety pressure switch, R134a refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Finned high-efficiency copper tube condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with electrical protection and safety grille.

HYDRAULIC CIRCUIT

Hydraulic circuit with gear pump without tank, with maximum available pressure 20 bar, 0-25 bar pressure gauge, regulation temperature sensor. Hydraulic safety with safety low- and high-pressure pressure switch.

ELECTRICAL PANEL

With main breaker, fused motor protection with LED visual fault indicator, voltage presence light.

MANAGEMENT AND CONTROL

The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration or hydraulic circuit. An on-off contact allows the machine to be switched on remotely. Control disconnect switch for switching on the machine.

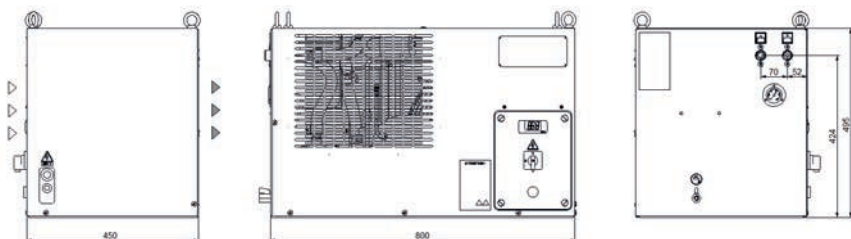
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- FL - Customer flow switch
- Non-standard paint/coating
- Satin AISI 304 stainless steel framework

DIMENSIONS



| Model | | TCO31 | | TCO41 | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------|------|-------|------|
| | | 50Hz | 60Hz | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 3000 | 3450 | 3900 | 4450 |
| Ambient temperature operating limits | °C | +15 - +45 | | | |
| Settable oil temperature range | °C | +25 - +40 | | | |
| Fluid type | | ISO VG 32 | | | |
| Temperature precision | K | +/-2 | | | |
| Refrigerant gas | HFC | R134a | | | |
| Power supply | | | | | |
| Supply voltage | V ph Hz | 230V (+/-10%) 1ph 50/60Hz | | | |
| Secondary supply voltage | V AC | 230 | | | |
| Digital thermostat | | TX110 | | | |
| Compressor | | | | | |
| Compressor type | | Reciprocating | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | |
| Max. power draw | kW | 1.15 | 1.5 | 1.6 | 1.92 |
| Max. current draw | A | 6.1 | 8.1 | 7.2 | 8.4 |
| Axial Fan | | | | | |
| Fan type | | Axial | | | |
| Quantity | no. | 1 | | 1 | |
| Air flow rate | m³/h | 2300 | 2650 | 2300 | 2650 |
| Max. power draw | W | 180 | 250 | 180 | 250 |
| Max. current draw | A | 0.81 | 1.1 | 0.81 | 1.1 |
| Standard Pump | | | | | |
| Pump type | | Gear pump | | | |
| Quantity | no. | 1 | | | |
| Nominal fluid flow rate | l/min | 10 | | 10 | |
| Nominal available head | bar | 20 | | 20 | |
| Max. power draw | kW | 0.55 | | 0.55 | |
| Max. current draw | A | 4.0 | 4.2 | 4.0 | 4.2 |
| | | | | | |
| IN/OUT liquid connections | inch | 1/2" | | | |
| Net weight (approximate)*** | kg | 74 | | 75 | |
| Width - Depth - Height | mm | 800 - 450 - 495 | | | |
| Sound pressure level** | dB(A) | 57 | 60 | 57 | 60 |
| IP rating | IP | 44 | | | |
| | | | | | |
| * Data relating to operation under the following conditions: intake/outlet temperature 40/30°C, ISO VG 32 oil, ambient temperature 32°C. Cooling power refers to the evaporator unit. | | | | | |
| ** Sound pressure level at 50Hz, measured in a free hemispherical field at a distance of 1 m from the machine and 1.5 metres from the ground, per ISO 3746. | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, without storage tank and axial fans. | | | | | |
| The electrical data refer to cos φ = 0.8. | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|
| Oil outlet temperature | Fo | °C | 20 | 25 | 30 | 35 | | | | | | |
| | | factor | 0.82 | 0.92 | 1 | 1.05 | | | | | | |
| Ambient Temperature | Fa | °C | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | 1.16 | 1.1 | 1.05 | 1 | 0.97 | 0.91 | 0.84 |
| Oil type | Ft | type | ISO VG 10 | | ISO VG 22 | | ISO VG 32 | | ISO VG 46 | | ISO VG 68 | |
| | | factor | 1.15 | | 1.1 | | 1 | | 0.9 | | 0.82 | |
| Cooling power = Nominal cooling power x Fo x Fa x Ft | | | | | | | | | | | | |

Industrial oil chillers

COOLING CAPACITY

2300-2700 - 3600-4200 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, liquid receiver, drier filter, thermostatic valve, high- and low-pressure pressure switch, R410A refrigerant. Stepped cooling power regulation - 2 steps standard / 4 steps optional (standard on TALO6).

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

LIQUID CIRCUIT

Non-ferrous liquid circuit composed

of stainless steel centrifugal electric pump, storage tank made of plastic material complete with drain valve, electrical level indicator, 0-10 bar pressure gauge, differential pressure switch protecting the water flow, automatic by-pass and regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL

The TX350C control unit manages the operation of the chiller and provides complete operator alarm diagnostics. An on-off contact allows the machine to be switched on remotely. Illuminated control selector. RS485 connection. Possibility of remote display for machine regulation.

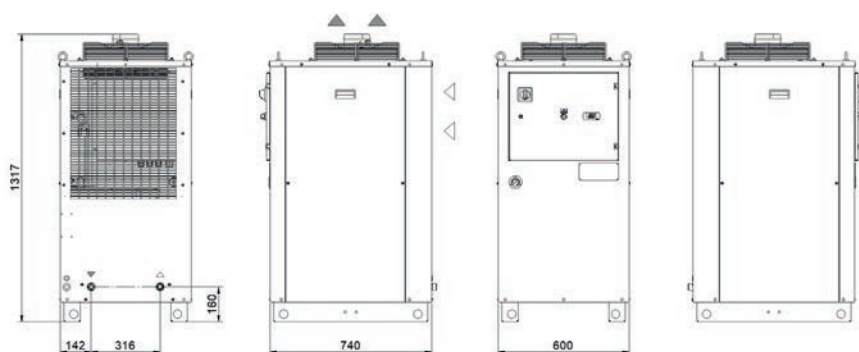
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- FL - Flow switch with alarm contact
- HR - Fluid heating element
- OM - Unit built for outdoor operation down to -10 °C ambient temp.
- OML - Unit built for outdoor operation down to -20 °C ambient temp.
- FP - Polyurethane air filter
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- LS - Liquid circuit for laser application
- HIGH-pressure pump version "H" - 5 bar

DIMENSIONS



| Model | | TAO24 | | TAO37 | |
|--------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------|------|-------------|------|
| | | 50Hz | 60Hz | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 2300 | 2700 | 3600 | 4200 |
| Ambient temperature operating limits | °C | +15 - +45 | | | |
| Settable fluid temperature range | °C | +25 - +40 | | | |
| Fluid type | | ISO VG 32 | | | |
| Temperature precision | K | +/-2 | | | |
| Refrigerant gas | HFC | R134a | | | |
| Power supply | | | | | |
| Supply voltage | V ph Hz | 230V (+/-10%) 1ph 50/60Hz | | | |
| Secondary supply voltage | V | 230 V AC | | | |
| Digital thermostat | | TX110 | | | |
| Compressor | | | | | |
| Compressor type | | Reciprocating | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | |
| Nominal power draw | kW | 0.84 | 1.04 | 1.16 | 1.5 |
| Axial Fan | | | | | |
| Fan type | | Axial | | | |
| Quantity | no. | 1 | | | |
| Air flow rate | m³/h | 1250 - 1650 | | 1550 - 2050 | |
| Centrifugal Fan (optional) | | | | | |
| Fan type | | Centrifugal | | | |
| Quantity | no. | 1 | | | |
| Air flow rate | m³/h | 2100 - 2400 | | 2100 - 2400 | |
| Available head | Pa | 250 | | | |
| Standard Pump | | | | | |
| Pump type | | Gear pump | | | |
| Quantity | no. | 1 | | | |
| Nominal/max fluid flow rate | l/min | 10 | | 20 | |
| Nominal available head | bar | 10 | | 10 | |
| | | | | | |
| Storage tank capacity (optional) | l | 50 | | | |
| IN/OUT liquid connections | inch | 3/4" | | | |
| Net weight (approximate)*** | kg | 151 | | 153 | |
| Width - Depth - Height | mm | 600 - 740 - 1317 | | | |
| Height with tank and pump | mm | 1790 | | | |
| Sound pressure level** | dB(A) | 57 | 60 | 57 | 60 |
| * Data relates to operation under the following conditions: inlet/outlet oil temp. 40/30°C, ISO VG 32 oil, ambient temperature 32°C. | | | | | |
| ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, without storage tank and axial fans. | | | | | |
| The electrical data refer to cos ϕ = 0.8. | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|
| Oil outlet temperature | Fo | °C | 20 | 25 | 30 | 35 | | | | | | |
| | | factor | 0.59 | 0.77 | 1 | 1.22 | | | | | | |
| Ambient Temperature | Fa | °C | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | 1.26 | 1.2 | 1.11 | 1 | 0.95 | 0.87 | 0.80 |
| Oil type | Ft | type | ISO VG 10 | | ISO VG 22 | | ISO VG 32 | | ISO VG 46 | | ISO VG 68 | |
| | | factor | 1.15 | | 1.1 | | 1 | | 0.9 | | 0.82 | |
| Cooling power = Nominal cooling power x Fo x Fa x Ft | | | | | | | | | | | | |

Industrial oil chillers

COOLING CAPACITY

2900 - 3600 - 4550 - 6000 - 8100 - 9550 - 10900 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic Reciprocating or Scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, expansion or thermostatic valve, high-pressure pressure switch, R134a refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Finned high-efficiency copper tube condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

HYDRAULIC CIRCUIT

Hydraulic circuit with gear pump without tank, with maximum available pressure 10 bar, 0-25 bar pressure gauge, regulation temperature sensor. Hydraulic safety with low-pressure safety pressure switch.

ELECTRICAL PANEL

With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL

The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration or hydraulic circuit. An on-off contact allows the machine to be switched on remotely (pump included). Control disconnect switch for switching on the machine.

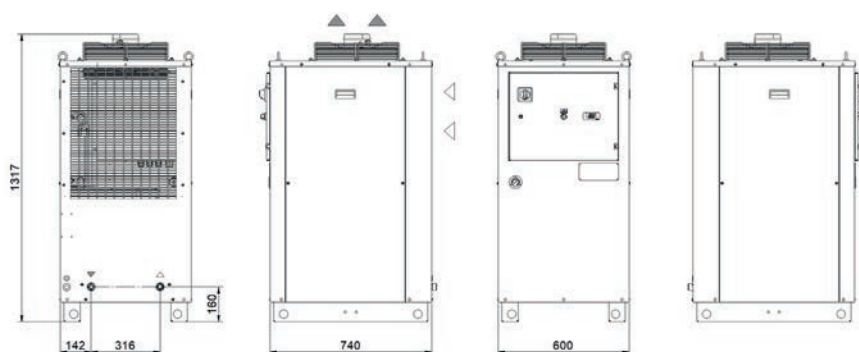
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- BGP - Hot gas bypass for +/- 0.5 K temperature precision
- UL1 - Electrical panel and UL-certified components
- Outdoor installation options

DIMENSIONS



| Model | | TAO29 | TAO37 | TAO46 | TAO57 | TAO76 | TAO93 | TAOA0 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Rated Cooling Capacity* | W | 2900 | 3600 | 4550 | 6000 | 8100 | 9550 | 10900 |
| Ambient temperature operating limits | °C | +15 - +45 | | | | | | |
| Settable fluid temperature range | °C | +25 - +40 | | | | | | |
| Fluid type | | ISO VG 32 | | | | | | |
| Temperature precision | K | +/-2 | | | | | | |
| Refrigerant gas | HFC | R134a | | | | | | |
| Power supply | | | | | | | | |
| Supply voltage | V ph Hz | 400V (+/-10%) 3ph 50Hz | | | | | | |
| Secondary supply voltage | V | 230 V AC | | | | | | |
| Digital thermostat | | TX110 | | | | | | |
| Compressor | | | | | | | | |
| Compressor type | | Reciprocating | | | | Scroll | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | | | | |
| Nominal power draw | kW | 0.78 | 1.16 | 1.42 | 2.42 | 2.21 | 2.60 | 2.73 |
| Axial Fan | | | | | | | | |
| Fan type | | Axial | | | | | | |
| Quantity | no. | 1 | | | | | | |
| Air flow rate | m³/h | 1550 | 1550 | 1800 | 1800 | 3150 | 3350 | 4400 |
| Centrifugal Fan (optional) | | | | | | | | |
| Fan type | | Centrifugal | | | | | | |
| Quantity | no. | 1 | | | | | | |
| Air flow rate | m³/h | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 |
| Available head | Pa | 250 | | | | | | |
| Standard Pump | | | | | | | | |
| Pump type | | Gear pump | | | | | | |
| Quantity | no. | 1 | | | | | | |
| Nominal fluid flow rate | l/min | 10 | 20 | 20 | 20 | 30 | 40 | 40 |
| Nominal available head | bar | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | |
| Storage tank capacity (optional) | l | 50 | | | | | | |
| IN/OUT liquid connections | inch | 3/4" | | | | | | |
| Net weight (approximate)*** | kg | 151 | 153 | 155 | 160 | 165 | 170 | 175 |
| Width - Depth - Height | mm | 600 - 740 - 1317 | | | | | | |
| Height with tank and pump | mm | 1790 | | | | | | |
| Sound pressure level** | dB(A) | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| * Data relates to operation under the following conditions: inlet/outlet oil temp. 40/30°C, ISO VG 32 oil, ambient temperature 32°C. ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. *** Weight includes pallets and packaging (where provided for), with refrigerant charge, without storage tank and axial fans. The electrical data refer to cos φ = 0.8. | | | | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|
| Oil outlet temperature | Fo | °C | 20 | 25 | 30 | 35 | | | | | | |
| | | factor | 0.59 | 0.77 | 1 | 1.22 | | | | | | |
| Ambient Temperature | Fa | °C | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | 1.26 | 1.2 | 1.11 | 1 | 0.95 | 0.87 | 0.80 |
| Oil type | Ft | type | ISO VG 10 | | ISO VG 22 | | ISO VG 32 | | ISO VG 46 | | ISO VG 68 | |
| | | factor | 1.15 | | 1.1 | | 1 | | 0.9 | | 0.82 | |
| Cooling power = Nominal cooling power x Fo x Fa x Ft | | | | | | | | | | | | |

Industrial oil chillers

COOLING CAPACITY

11400 - 12400 - 17800 - 20100 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, liquid receiver, drier filter, thermostatic valve, high- and low-pressure pressure switch, R410A refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

HYDRAULIC CIRCUIT

Hydraulic circuit with screw pump without tank, with maximum available pressure 10 bar, high- and low-pressure safety pressure switch, 0-25 bar oil pressure gauge, regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL

The TX200 control unit manages the operation of the chiller and provides complete operator alarm diagnostics. An on-off contact allows the machine to be switched on remotely. Illuminated control selector. Possibility of remote display for machine regulation.

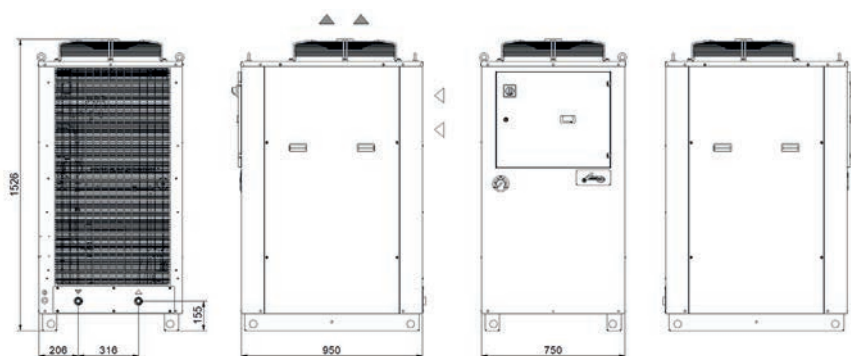
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- BGP - Hot gas bypass for +/- 0.5 K temperature precision
- UL1 - Electrical panel and UL-certified components
- HP/HS - Harting-type connector
- Outdoor installation options

DIMENSIONS



| Model | | TAOA1 | TAOA3 | TAOA5 | TAOA8 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|-------|-------|-------|
| Rated Cooling Capacity* | W | 11400 | 12400 | 17800 | 20100 |
| Ambient temperature operating limits | °C | +15 - +45 | | | |
| Settable fluid temperature range | °C | +25 - +40 | | | |
| Fluid type | | ISO VG 32 | | | |
| Temperature precision | K | +/-2 | | | |
| Refrigerant gas | HFC | R410A | | | |
| Power supply | | | | | |
| Supply voltage | V ph Hz | 400V (+/-10%) 3ph 50Hz | | | |
| Secondary supply voltage | V | 24 V AC | | | |
| Digital thermostat | | TX200 | | | |
| Compressor | | | | | |
| Compressor type | | Scroll | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | |
| Nominal power draw | kW | 3.03 | 3.12 | 4.08 | 4.91 |
| Axial Fan | | | | | |
| Fan type | | Axial | | | |
| Quantity | no. | 1 | | | |
| Air flow rate | m³/h | 6500 | 6500 | 6500 | 6500 |
| Centrifugal Fan (optional) | | | | | |
| Fan type | | Centrifugal | | | |
| Quantity | no. | 1 | | | |
| Air flow rate | m³/h | 6500 | 6500 | 6500 | 6500 |
| Available head | Pa | 250 | | | |
| Standard Pump | | | | | |
| Pump type | | Screw pump | | | |
| Quantity | no. | 1 | | | |
| Nominal/max fluid flow rate | l/min | 70 | 70 | 70 | 70 |
| Nominal available head | bar | 10 | 10 | 10 | 10 |
| | | | | | |
| Storage tank capacity (optional) | l | 130 | | | |
| IN/OUT liquid connections | inch | 1" | | | |
| Net weight (approximate)*** | kg | 200 | 200 | 235 | 235 |
| Width - Depth - Height | mm | 750 - 950 - 1526 | | | |
| Height with tank and pump | mm | 1998 | | | |
| Sound pressure level** | dB(A) | 67 | 67 | 67 | 67 |
| * Data relates to operation under the following conditions: inlet/outlet oil temp. 40/30°C, ISO VG 32 oil, ambient temperature 32°C. ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. *** Weight includes pallets and packaging (where provided for), with refrigerant charge, without storage tank and axial fans. The electrical data refer to cos φ = 0.8. | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|
| Oil outlet temperature | Fo | °C | 20 | 25 | 30 | 35 | | | | | | |
| | | factor | 0.74 | 0.82 | 1 | 1.22 | | | | | | |
| Ambient Temperature | Fa | °C | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | 1.26 | 1.2 | 1.12 | 1 | 0.95 | 0.87 | 0.80 |
| Oil type | Ft | type | ISO VG 10 | | ISO VG 22 | | ISO VG 32 | | ISO VG 46 | | ISO VG 68 | |
| | | factor | 1.15 | | 1.1 | | 1 | | 0.9 | | 0.82 | |
| Cooling power = Nominal cooling power x Fo x Fa x Ft | | | | | | | | | | | | |

Industrial oil chillers

COOLING CAPACITY

24800 - 29000 - 35800 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, liquid receiver, drier filter, thermostatic valve, high- and low-pressure pressure switch, R410A refrigerant.

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

HYDRAULIC CIRCUIT

Hydraulic circuit with screw pump without tank, with maximum available pressure 10 bar, high- and low-pressure safety pressure switch, 0-25 bar oil pressure gauge, regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL

The TX200 control unit manages the operation of the chiller and provides complete operator alarm diagnostics. An on-off contact allows the machine to be switched on remotely. Illuminated control selector. Possibility of remote display for machine regulation.

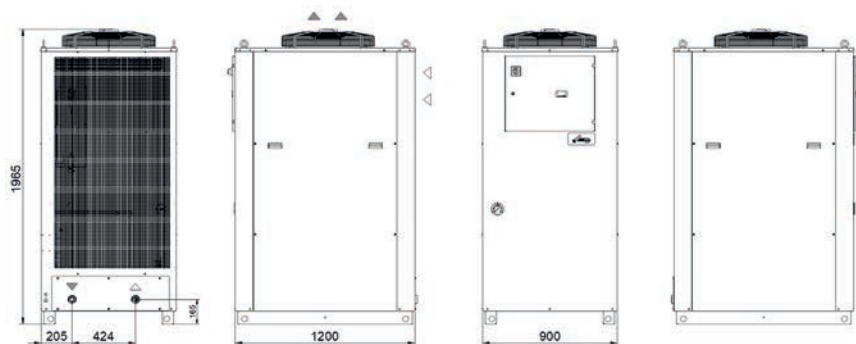
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- BGP - Hot gas bypass for +/- 0.5 K temperature precision
- UL1 - Electrical panel and UL-certified components
- HP/HS - Harting-type connector
- Outdoor installation options

DIMENSIONS



| Model | | TAOB5 | TAOB9 | TAOC5 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|-------|-------|
| Rated Cooling Capacity* | W | 24800 | 29000 | 35800 |
| Ambient temperature operating limits | °C | +15 - +45 | | |
| Settable fluid temperature range | °C | +25 - +40 | | |
| Fluid type | | ISO VG 32 | | |
| Temperature precision | K | +/-2 | | |
| Refrigerant gas | HFC | R410A | | |
| Power supply | | | | |
| Supply voltage | V ph Hz | 400V (+/-10%) 3ph 50Hz | | |
| Secondary supply voltage | V | 24 V AC | | |
| Digital thermostat | | TX200 | | |
| Compressor | | | | |
| Compressor type | | Scroll | | |
| Quantity - Number of circuits | no. | 1 - 1 | | |
| Nominal power draw | kW | 6.4 | 7.4 | 8.6 |
| Axial Fan | | | | |
| Fan type | | Axial | | |
| Quantity | no. | 1 | | |
| Air flow rate | m³/h | 8300 | 9700 | 11500 |
| Centrifugal Fan (optional) | | | | |
| Fan type | | Centrifugal | | |
| Quantity | no. | 1 | | |
| Air flow rate | m³/h | 8300 | 9700 | 11500 |
| Available head | Pa | 370 | 180 | 100 |
| Standard Pump | | | | |
| Pump type | | Screw pump | | |
| Quantity | no. | 1 | | |
| Nominal/max fluid flow rate | l/min | 120 | 120 | 120 |
| Nominal available head | bar | 10 | 10 | 10 |
| | | | | |
| Storage tank capacity (optional) | l | 130 | | |
| IN/OUT liquid connections | inch | 1 1/2" | | |
| Net weight (approximate)*** | kg | 260 | 260 | 260 |
| Width - Depth - Height | mm | 900 - 1200 - 1965 | | |
| Sound pressure level** | dB(A) | 67 | 67 | 67 |
| * Data relates to operation under the following conditions: inlet/outlet oil temp. 40/30°C, ISO VG 32 oil, ambient temperature 32°C. ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. *** Weight includes pallets and packaging (where provided for), with refrigerant charge, without storage tank and axial fans. The electrical data refer to cos φ = 0.8. | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|
| Oil outlet temperature | Fo | °C | 20 | 25 | 30 | 35 | | | | | | |
| | | factor | 0.71 | 0.84 | 1 | 1.18 | | | | | | |
| Ambient Temperature | Fa | °C | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | 1.25 | 1.2 | 1.09 | 1 | 0.97 | 0.91 | 0.87 |
| Oil type | Ft | type | ISO VG 10 | | ISO VG 22 | | ISO VG 32 | | ISO VG 46 | | ISO VG 68 | |
| | | factor | 1.15 | | 1.1 | | 1 | | 0.9 | | 0.82 | |
| Cooling power = Nominal cooling power x Fo x Fa x Ft | | | | | | | | | | | | |

Industrial oil chillers**COOLING CAPACITY****40000 - 47000 - 55000 - 67000 W****STRUCTURE**

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels.

COMPRESSOR

Hermetic scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, liquid receiver, drier filter, thermostatic valve, high- and low-pressure pressure switch, R410A refrigerant. Optional 2-step cooling power regulation (standard on TAOF8).

EVAPORATOR

Brazed stainless-steel plate model.

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille..

HYDRAULIC CIRCUIT

Hydraulic circuit with screw pump without tank, with maximum available pressure 10 bar, 0-25 bar pressure gauge, regulation temperature sensor. Hydraulic safety with protective flow switch.

ELECTRICAL PANEL

With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL

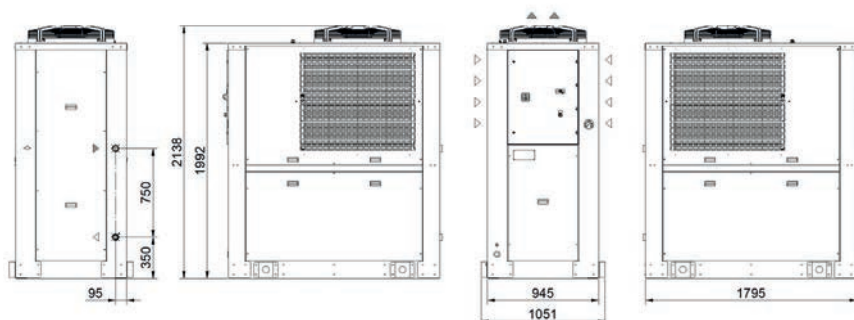
The TX350C control unit manages the operation of the chiller and provides complete operator alarm diagnostics. An on-off contact allows the machine to be switched on remotely. Illuminated control selector. RS485 connection. Possibility of remote display for machine regulation.

PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- LTA - Operation at low ambient temperatures
- OM - Unit built for outdoor operation down to -10 °C ambient temp.
- FP - Polyurethane air filter
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- UL1 - Electrical panel and UL-certified components
- Outdoor installation options

DIMENSIONS

| Model | | TAOD0 | TAOD9 | TAOE6 | TAOF8 |
|--------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|-------|-------|-------|
| Rated Cooling Capacity* | W | 40000 | 47000 | 55000 | 67000 |
| Ambient temperature operating limits | °C | +15 - +45 | | | |
| Settable fluid temperature range | °C | +25 - +40 | | | |
| Fluid type | | ISO VG 32 | | | |
| Temperature precision | K | +/-2 | | | |
| Refrigerant gas | HFC | R410A | | | |
| Power supply | | | | | |
| Supply voltage | V ph Hz | 400V (+/-10%) 3ph 50Hz | | | |
| Secondary supply voltage | V | 24 V AC | | | |
| Digital thermostat | | TX350C | | | |
| Compressor | | | | | |
| Compressor type | | Scroll | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | 2 - 1 |
| Max. power draw | kW | 9.4 | 10.4 | 12.1 | 25.0 |
| Axial Fan | | | | | |
| Fan type | | Axial | | | |
| Quantity | no. | 1 | 1 | 1 | 1 |
| Air flow rate | m³/h | 12600 | 14400 | 16000 | 24000 |
| Centrifugal Fan (optional) | | | | | |
| Fan type | | Centrifugal | | | |
| Quantity | no. | 1 | 1 | 1 | 1 |
| Air flow rate | m³/h | 12600 | 14400 | 16000 | 24000 |
| Available head | Pa | 570 | 350 | 200 | 150 |
| Standard Pump | | | | | |
| Pump type | | Screw pump | | | |
| Quantity | no. | 1 | 1 | 1 | 1 |
| Nominal/max fluid flow rate | l/min | 135 | 160 | 190 | 230 |
| Nominal available head | bar | 10 | 10 | 10 | 10 |
| | | | | | |
| Storage tank capacity (optional) | l | 200 | | | |
| IN/OUT liquid connections | inch | 1 1/2" | | | |
| Net weight (approximate)*** | kg | 580 | 600 | 600 | 600 |
| Width - Depth - Height | mm | 945 - 1795 - 2138 | | | |
| Sound pressure level** | dB(A) | 75 | 75 | 75 | 78 |
| * Data relates to operation under the following conditions: inlet/outlet oil temp. 40/30°C, ISO VG 32 oil, ambient temperature 32°C. | | | | | |
| ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, without storage tank and axial fans. | | | | | |
| The electrical data refer to cos φ = 0.8. | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|
| Oil outlet temperature | Fo | °C | 20 | 25 | 30 | 35 | | | | | | |
| | | factor | 0.75 | 0.83 | 1 | 1.20 | | | | | | |
| Ambient Temperature | Fa | °C | | | | 15 | 20 | 25 | 32 | 35 | 40 | 45 |
| | | factor | | | | 1.27 | 1.2 | 1.13 | 1 | 0.95 | 0.86 | 0.80 |
| Oil type | Ft | type | ISO VG 10 | | ISO VG 22 | | ISO VG 32 | | ISO VG 46 | | ISO VG 68 | |
| | | factor | 1.15 | | 1.1 | | 1 | | 0.9 | | 0.82 | |
| Cooling power = Nominal cooling power x Fo x Fa x Ft | | | | | | | | | | | | |

TCI

Immersion coil chillers

The new TCI range of chillers from **texa industries**, featuring immersion coil evaporators, is **texa industries'** answer to any oil/water cooling requirements for industrial applications.



TCl56÷91 Size 2

Immersion coil chillers

COOLING CAPACITY

6000 - 7100 - 8100 - 9650 - 9200 - 11000 W



AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille. On request, centrifugal fan for air expulsion ducting

ELECTRICAL PANEL

With main disconnect switch, fused motor protection.

MANAGEMENT AND CONTROL

The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration circuit or protection of the immersion coils. An on-off contact allows the machine to be switched on remotely. Control disconnect switch for switching on the machine.

PAINT/COATING

Standard colour: RAL 7035 textured.

STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic SCROLL compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, thermostatic valve, high- and low-pressure pressure switch, refrigerant gas.

EVAPORATOR

Dual concentric coil in AISI 304 stainless steel. Resin-covered stainless-steel regulation sensor, IP67 rated.

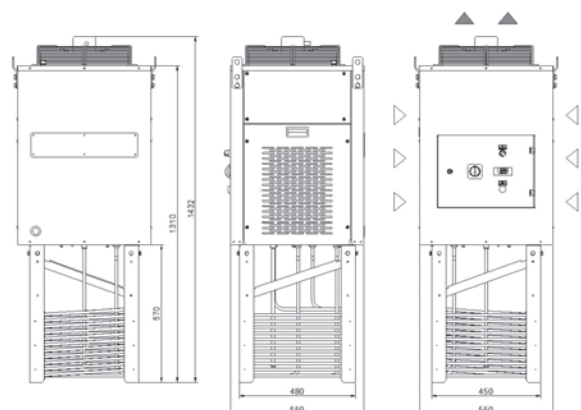
AIR CONDENSER

Finned high-efficiency copper tube condensing coil, complete with safety grille.

MAIN OPTIONS

- FP - Polyurethane air filter
- TD - Differential fluid temperature management (two sensors)
- BGP - Hot gas bypass for +/- 0.5 K temperature precision
- Agitator for fluid movement
- Non-standard paint/coating
- Satin AISI 304 stainless steel framework
- Design of higher cooling powers with dedicated framework
- Centrifugal fans for condensation air ducting

DIMENSIONS



| Model | | TCI56 | | TCI70 | | TCI91 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|------|-------|------|-------|-------|
| | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 6000 | 7100 | 8100 | 9650 | 9200 | 11000 |
| Ambient temperature operating limits | °C | -5 - +45 | | | | | |
| Settable fluid temperature range | °C | +15 / +25 water or emulsion max 5 cSt - 40°C +20 / +30 mineral oil 32 cSt - 40°C | | | | | |
| Temperature precision | K | +/- 1 | | | | | |
| Refrigerant gas | HFC | R134a | | | | | |
| Minimum fluid flow rate (emulsion/oil) | l/min | 40 - 60 | | | | | |
| Minimum volume in tank (emulsion/oil) | l. | 60 - 100 | | | | | |
| Power supply | | | | | | | |
| Supply voltage | V ph Hz | 400/460V (+/-10%) 3ph 50/60Hz | | | | | |
| Secondary supply voltage | V | 230V-24V AC | | | | | |
| Digital thermostat | | TX110 | | | | | |
| Compressor | | | | | | | |
| Compressor type | | Scroll | | | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | | | |
| Max. power draw | kW | 3.7 | 4.5 | 4.2 | 5.1 | 2.9 | 3.6 |
| Max. current draw | A | 5.4 | 6.3 | 7.1 | 8.0 | 6.0 | 6.9 |
| Axial Fan | | | | | | | |
| Fan type | | Axial | | | | | |
| Quantity | no. | 1 | | | | | |
| Air flow rate | m³/h | 2000 | | | | | |
| Max. power draw | kW | 0.18 | 0.25 | 0.18 | 0.25 | 0.18 | 0.25 |
| Max. current draw | A | 0.81 | 1.1 | 0.81 | 1.1 | 0.81 | 1.1 |
| | | | | | | | |
| Net weight (approximate)*** | kg | 145 | | 147 | | 150 | |
| Width - Depth - Height | mm | 550 - 550 - 1432 | | | | | |
| Sound pressure level** | dB(A) | 57 | | 57 | | 57 | |
| IP rating | IP | 44 | | | | | |
| | | | | | | | |
| * Data relates to operation under the following conditions: Ambient temperature 32°C. | | | | | | | |
| ** Sound pressure level at 50Hz, measured in a free hemispherical field at a distance of 1 m from the machine and 1.5 metres from the ground, per ISO 3746. | | | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge and axial fans. | | | | | | | |
| The electrical data refer to cos φ = 0.8. | | | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | |
|------------------------------------------------------|----------|-----|------------------|------|------|------|------|-------|
| Ambient Temperature | Emulsion | Oil | Cooling capacity | | | | | |
| 32 | 15 | 20 | 4620 | 5467 | 6237 | 7431 | 7084 | 8470 |
| | 20 | 25 | 5460 | 6461 | 7371 | 8782 | 8372 | 10010 |
| | 25 | 30 | 6000 | 7100 | 8100 | 9650 | 9200 | 11000 |
| 37 | 15 | 20 | 4332 | 5126 | 5848 | 6967 | 6642 | 7942 |
| | 20 | 25 | 5187 | 6138 | 7002 | 8342 | 7953 | 9510 |
| | 25 | 30 | 5700 | 6745 | 7695 | 9168 | 8740 | 10450 |
| 42 | 15 | 20 | 4066 | 4811 | 5489 | 6539 | 6234 | 7454 |
| | 20 | 25 | 4805 | 5686 | 6486 | 7728 | 7367 | 8809 |
| | 25 | 30 | 5280 | 6248 | 7128 | 8492 | 8096 | 9680 |

TCIA2÷A7 Size 3

Immersion coil chillers

COOLING CAPACITY

12300 - 14600 - 16400 - 19400 - 17800 - 20450 W



AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille. On request, centrifugal fan for air expulsion ducting

ELECTRICAL PANEL

With main disconnect switch, fused motor protection.

MANAGEMENT AND CONTROL

The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration circuit or protection of the immersion coils. An on-off contact allows the machine to be switched on remotely. Control disconnect switch for switching on the machine.

PAINT/COATING

Standard colour: RAL 7035 textured.

STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR

Hermetic SCROLL compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, thermostatic valve, high- and low-pressure pressure switch, refrigerant gas.

EVAPORATOR

Dual concentric coil in AISI 304 stainless steel. Resin-covered stainless-steel regulation sensor, IP67 rated.

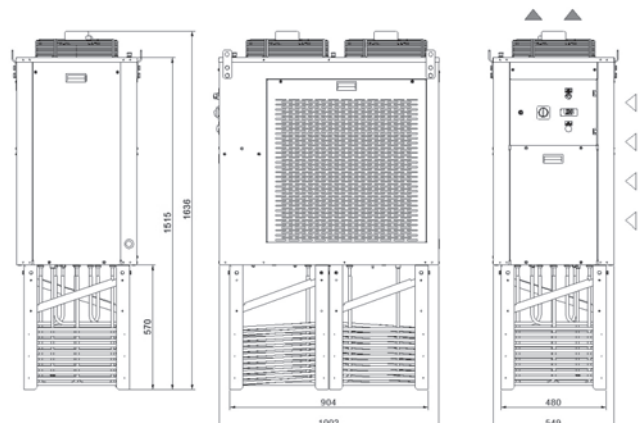
AIR CONDENSER

Finned high-efficiency copper tube condensing coil, complete with safety grille.

MAIN OPTIONS

- FP - Polyurethane air filter
- TD - Differential fluid temperature management (two sensors)
- BGP - Hot gas bypass for +/- 0.5 K temperature precision
- Agitator for fluid movement
- Non-standard paint/coating
- Satin AISI 304 stainless steel framework
- Design of higher cooling powers with dedicated framework
- Centrifugal fans for condensation air ducting

DIMENSIONS



| Model | | TCIA2 | | TCIA4 | | TCIA7 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|
| | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 12300 | 14600 | 16400 | 19400 | 17800 | 20450 |
| Ambient temperature operating limits | °C | -5 - +45 | | | | | |
| Settable fluid temperature range | °C | +15 / +25 water or emulsion max 5 cSt - 40°C +20 / +30 mineral oil 32 cSt - 40°C | | | | | |
| Temperature precision | K | +/- 1 | | | | | |
| Refrigerant gas | HFC | R410A | | | | | |
| Minimum fluid flow rate (emulsion/oil) | l/min | 80 - 120 | | | | | |
| Minimum volume in tank (emulsion/oil) | l. | 150 - 250 | | | | | |
| Power supply | | | | | | | |
| Supply voltage | V ph Hz | 400/460V (+/-10%) 3ph 50/60Hz | | | | | |
| Secondary supply voltage | V | 230V-24V AC | | | | | |
| Digital thermostat | | TX110 | | | | | |
| Compressor | | | | | | | |
| Compressor type | | Scroll | | | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | | | |
| Max. power draw | kW | 3.1 | 3.5 | 4.0 | 4.3 | 4.1 | 4.7 |
| Max. current draw | A | 9.8 | 9.6 | 12.1 | 11.8 | 12.5 | 12.1 |
| Axial Fan | | | | | | | |
| Fan type | | Axial | | | | | |
| Quantity | no. | 2 | | | | | |
| Air flow rate | m³/h | 4300 | | | | | |
| Max. power draw | kW | 0.4 | 0.55 | 0.4 | 0.55 | 0.4 | 0.55 |
| Max. current draw | A | 1.7 | 2.2 | 1.7 | 2.2 | 1.7 | 2.2 |
| | | | | | | | |
| Net weight (approximate)*** | kg | 215 | | 215 | | 215 | |
| Width - Depth - Height | mm | 549 - 1002 - 1636 | | | | | |
| Sound pressure level** | dB(A) | 60 | | 60 | | 60 | |
| IP rating | IP | 44 | | | | | |
| | | | | | | | |
| * Data relates to operation under the following conditions: Ambient temperature 32°C. | | | | | | | |
| ** Sound pressure level at 50Hz, measured in a free hemispherical field at a distance of 1 m from the machine and 1.5 metres from the ground, per ISO 3746. | | | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge and axial fans. | | | | | | | |
| The electrical data refer to cos φ = 0.8. | | | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | |
|------------------------------------------------------|----------|-----|------------------|-------|-------|-------|-------|-------|
| Ambient Temperature | Emulsion | Oil | Cooling capacity | | | | | |
| 32 | 15 | 20 | 9471 | 11242 | 12628 | 15154 | 13706 | 15747 |
| | 20 | 25 | 11193 | 13286 | 14924 | 17909 | 16198 | 18610 |
| | 25 | 30 | 12300 | 14600 | 16400 | 19400 | 17800 | 20450 |
| 37 | 15 | 20 | 8881 | 10541 | 11841 | 14209 | 12852 | 14765 |
| | 20 | 25 | 10633 | 12622 | 14178 | 17014 | 15388 | 17679 |
| | 25 | 30 | 11685 | 13870 | 15580 | 18696 | 16910 | 19428 |
| 42 | 15 | 20 | 8334 | 9893 | 11113 | 13336 | 12061 | 13857 |
| | 20 | 25 | 9850 | 11692 | 13133 | 15760 | 14254 | 16376 |
| | 25 | 30 | 10824 | 12848 | 14432 | 17318 | 15664 | 17996 |

TAU

Industrial chillers for contaminated or dirty fluids

Thanks to the tube bundle heat exchanger, the TAU range allows dirty fluids to be cooled while guaranteeing the highest levels of performance and the lowest maintenance costs



Industrial chillers for contaminated or dirty fluids

COOLING CAPACITY

2300/2700 - 3600/4200 W



LIQUID CIRCUIT

Non-ferrous liquid circuit composed of peripheral electric pump, or, 0-10 bar pressure gauge, protective flow switch, regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, fused motor protection.

MANAGEMENT AND CONTROL

The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration or liquid circuit. An on-off contact allows the machine to be switched on remotely (pump included). Control disconnect switch for switching on the machine.

STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels.

COMPRESSOR

Hermetic reciprocating compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, expansion valve, high-pressure pressure switch, R134a refrigerant.

EVAPORATOR

Tube bundle heat exchanger (allows for inspection).

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

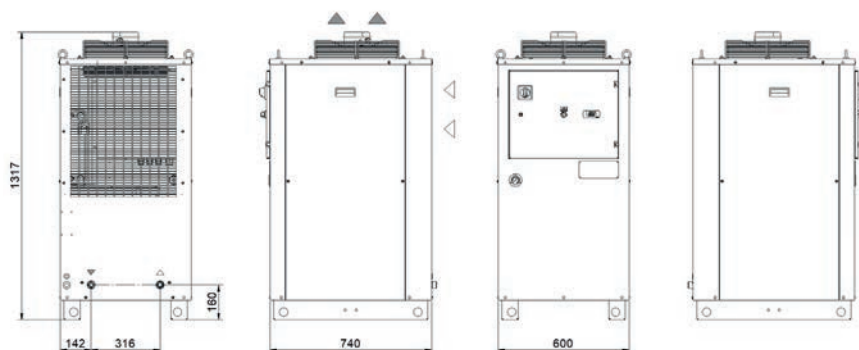
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for ± 1 K temperature precision
- BGP - Hot gas bypass for ± 0.5 K temperature precision
- UL1 - Electrical panel and UL-certified components
- HIGH-pressure pump version "H" - 5 bar, version "R" - 7 bar.
- Outdoor installation options

DIMENSIONS



| Model | | TAU24 | | TAU37 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------|------|-------------|------|
| | | 50Hz | 60Hz | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 2300 | 2700 | 3600 | 4200 |
| Ambient temperature operating limits | °C | +15 - +45 | | | |
| Settable fluid temperature range | °C | +25 - +40 | | | |
| Fluid type | | Emulsion 90% water - 10% oil | | | |
| Temperature precision | K | +/-2 | | | |
| Refrigerant gas | HFC | R134a | | | |
| Power supply | | | | | |
| Supply voltage | V ph Hz | 230V (+/-10%) 1ph 50 or 60Hz | | | |
| Secondary supply voltage | V | 230 V AC | | | |
| Digital thermostat | | TX110 | | | |
| Compressor | | | | | |
| Compressor type | | Reciprocating | | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | |
| Nominal power draw | kW | 0.84 | 1.04 | 1.16 | 1.5 |
| Axial Fan | | | | | |
| Fan type | | Axial | | | |
| Quantity | no. | 1 | | | |
| Air flow rate | m³/h | 1250 - 1650 | | 1550 - 2050 | |
| Centrifugal Fan (optional) | | | | | |
| Fan type | | Centrifugal | | | |
| Quantity | no. | 1 | | | |
| Air flow rate | m³/h | 2100 - 2400 | | 2100 - 2400 | |
| Available head | Pa | 250 | | | |
| Standard Pump | | | | | |
| Pump type | | Centrifugal | | | |
| Quantity | no. | 1 | | | |
| Nominal/max fluid flow rate | l/min | 5 | | 8 | |
| Nominal available head | bar | 3 | 3 | 3 | 3 |
| | | | | | |
| Storage tank capacity | l | 50 | | | |
| IN/OUT liquid connections | inch | 3/4" | | | |
| Net weight (approximate)*** | kg | 151 | | 153 | |
| Width - Depth - Height | mm | 600 - 740 - 1317 | | | |
| Sound pressure level** | dB(A) | 57 | 60 | 57 | 60 |
| * Data relates to operation under the following conditions: inlet/outlet temp. 37/30°C, 90% water - 10% oil emulsion, ambient temperature 32°C. | | | | | |
| ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, storage tank empty, axial fans. | | | | | |
| The electrical data refer to cos φ = 0.8. | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|-----------------------------------------------------------|----|--------|-------|------|--------------------------|------|----------------------------|------|----------------------------|------|----------------|-----|
| 90% water - 10% ISO VG 32 oil emulsion outlet temperature | Fo | °C | 20 | 25 | 30 | 35 | | | | | | |
| | | factor | 0.59 | 0.77 | 1 | 1.22 | | | | | | |
| Ambient Temperature | Fa | °C | | | | 15 | 20 | 25 | 32 | 32 | 40 | 45 |
| | | factor | | | | 1.26 | 1.2 | 1.11 | 1 | 0.95 | 0.87 | 0.8 |
| Oil type | Ft | % | water | | 90% water- 10%ISOVG32oil | | 70% water-30% ISOVG 32 oil | | 40% water- 60%ISOVG 32 oil | | 100% ISO VG 32 | |
| | | factor | 1.05 | | 1 | | 0.9 | | 0.74 | | 0.53 | |
| Cooling Power = Nominal Cooling Power x Fo x Fa x Ft | | | | | | | | | | | | |

TAU29÷A0 Size 1 Three-phase

Industrial chillers for contaminated or dirty fluids

COOLING CAPACITY

2900 - 3600 - 4550 - 6000 - 8100 - 9550 - 10900 W



STRUCTURE

In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels.

COMPRESSOR

Hermetic reciprocating compressor, cooled by the refrigerant, complete with thermal cut-out.

REFRIGERATION CIRCUIT

Complete with charging port, drier filter, expansion valve, high-pressure pressure switch, R134a refrigerant.

EVAPORATOR

Tube bundle heat exchanger (allows for inspection).

AIR CONDENSER

Microchannel condensing coil, complete with safety grille.

AXIAL FAN

Axial fan, complete with thermal cut-out and safety grille.

LIQUID CIRCUIT

Non-ferrous liquid circuit composed of peripheral electric pump, storage tank made of plastic material complete with integrated visual level indicator, 0-10 bar pressure gauge, protective flow switch, regulation sensor.

ELECTRICAL PANEL

With main disconnect switch, fused motor protection.

MANAGEMENT AND CONTROL

The TX110 control unit manages the chiller's operation, providing warnings including high/low temperature alarms and a general serious fault alarm, with the display indicating if this refers to the refrigeration or liquid circuit. An on-off contact allows the machine to be switched on remotely (pump included). Control disconnect switch for switching on the machine.

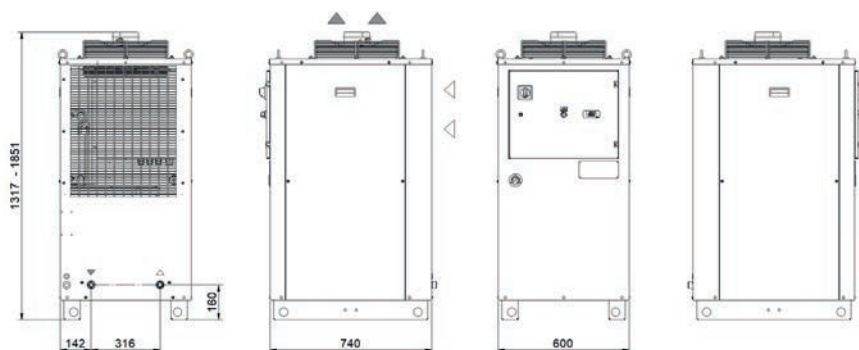
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

- BA - Mechanical bypass valve protecting the pump
- LTA - Operation at low ambient temperatures
- FP - Polyurethane air filter
- RU - Castors
- TD - Differential fluid temperature management (two sensors)
- BGC - Hot gas bypass for +/- 1 K temperature precision
- BGP - Hot gas bypass for +/- 0.5 K temperature precision
- UL1 - Electrical panel and UL-certified components
- HIGH-pressure pump version "H" - 5 bar, version "R" - 7 bar.
- Outdoor installation options

DIMENSIONS



| Model | | TAU29 | TAU37 | TAU46 | TAU57 | TAU76 | TAU93 | TAUA0 |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Rated Cooling Capacity* | W | 2900 | 3600 | 4550 | 6000 | 8100 | 9550 | 10900 |
| Ambient temperature operating limits | °C | +15 - +45 | | | | | | |
| Settable fluid temperature range | °C | +25 - +40 | | | | | | |
| Fluid type | | Emulsion 90% water - 10% oil | | | | | | |
| Temperature precision | K | +/-2 | | | | | | |
| Refrigerant gas | HFC | R134a | | | | | | |
| Power supply | | | | | | | | |
| Supply voltage | V ph Hz | 400V (+/-10%) 3ph 50Hz | | | | | | |
| Secondary supply voltage | V | 230 V AC | | | | | | |
| Digital thermostat | | TX110 | | | | | | |
| Compressor | | | | | | | | |
| Compressor type | | Reciprocating | | | | Scroll | | |
| Quantity - Number of circuits | no. | 1 - 1 | | | | | | |
| Nominal power draw | kW | 0.78 | 1.16 | 1.42 | 2.42 | 2.21 | 2.60 | 2.73 |
| Axial Fan | | | | | | | | |
| Fan type | | Axial | | | | | | |
| Quantity | no. | 1 | | | | | | |
| Air flow rate | m³/h | 1550 | 1550 | 1800 | 1800 | 3150 | 3350 | 4400 |
| Centrifugal Fan (optional) | | | | | | | | |
| Fan type | | Centrifugal | | | | | | |
| Quantity | no. | 1 | | | | | | |
| Air flow rate | m³/h | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 | 2100 - 2400 |
| Available head | Pa | 250 | | | | | | |
| Standard Pump | | | | | | | | |
| Pump type | | Centrifugal | | | | | | |
| Quantity | no. | 1 | | | | | | |
| Nominal/max fluid flow rate | l/min | 6.5 | 8 | 10 | 13.5 | 18 | 21 | 24 |
| Nominal available head | bar | 3 | 2.9 | 2.8 | 2.7 | 3.1 | 3 | 2.8 |
| | | | | | | | | |
| Storage tank capacity | l | 50 | | | | | | |
| IN/OUT liquid connections | inch | 3/4" | | | | | | |
| Net weight (approximate)*** | kg | 151 | 153 | 155 | 160 | 165 | 170 | 175 |
| Width - Depth | mm | 600 - 740 | | | | | | |
| Height | mm | 1317 | | | | 1851 | | |
| Sound pressure level** | dB(A) | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| * Data relates to operation under the following conditions: inlet/outlet temp. 37/30°C, 90% water - 10% oil emulsion, ambient temperature 32°C. | | | | | | | | |
| ** Sound pressure level, measured in a free parallelepiped field at a distance of 1 m, per ISO 3746. | | | | | | | | |
| *** Weight includes pallets and packaging (where provided for), with refrigerant charge, storage tank empty, axial fans. | | | | | | | | |
| The electrical data refer to cos ϕ = 0.8. | | | | | | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|-----------------------------------------------------------|----|--------|-------|------|----------------------------|------|-----------------------------|------|-----------------------------|------|----------------|-----|
| 90% water - 10% ISO VG 32 oil emulsion outlet temperature | Fo | °C | 20 | 25 | 30 | 35 | | | | | | |
| | | factor | 0.59 | 0.77 | 1 | 1.22 | | | | | | |
| Ambient Temperature | Fa | °C | | | | 15 | 20 | 25 | 32 | 32 | 40 | 45 |
| | | factor | | | | 1.26 | 1.2 | 1.11 | 1 | 0.95 | 0.87 | 0.8 |
| Oil type | Ft | % | water | | 90% water-10%ISO VG 32 oil | | 70% water-30% ISO VG 32 oil | | 40% water-60% ISO VG 32 oil | | 100% ISO VG 32 | |
| | | factor | 1.05 | | 1 | | 0.9 | | 0.74 | | 0.53 | |
| Cooling Power = Nominal Cooling Power x Fo x Fa x Ft | | | | | | | | | | | | |

SAW

Water-air heat exchangers

The most simple and cost-effective system for cooling of fluids in industrial processes through the ambient air.



SAW50

Water-air heat exchangers

COOLING CAPACITY
5000-5650 W


STRUCTURE

in polyester powder-coated steel sheet.

AXIAL FAN

Aluminium axial fan, diameter 250 mm.

LIQUID CIRCUIT

Liquid circuit composed entirely of non-ferrous material in contact with the liquid to prevent contamination. Brass electric pump with 3 bar available head with thermal cut-out. Storage tank, complete with filling. Protective water flow switch.

COOLING COIL

Dual finned aluminium cooling coil with copper tubes.

MANAGEMENT AND CONTROL

Power supply cable: 1.5 m.

PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN OPTIONS

LE - Electrical level indicator

FP - Polyurethane air filter

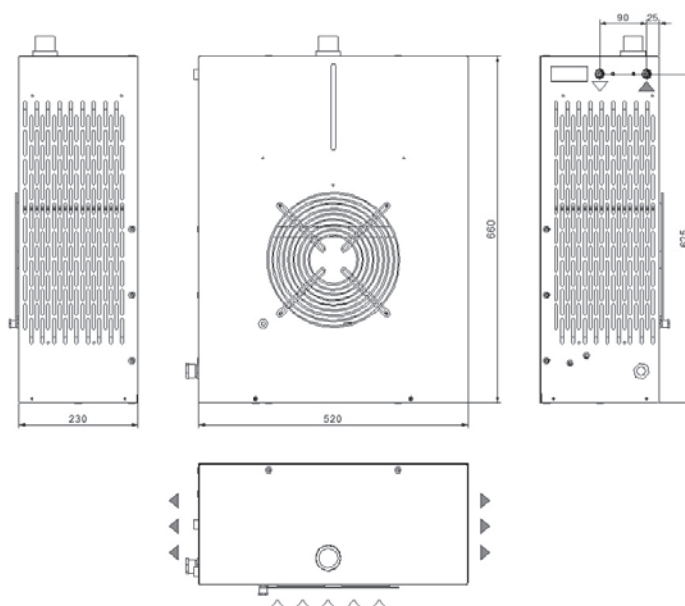
TR - Digital regulation thermostat, temperature display complete with NTC sensor

RU - Castors

AV - Vibration damper supports

Others on customer request

DIMENSIONS



| Model | | SAW50 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------|-------------|
| | | 50Hz | 60Hz |
| Rated Cooling Capacity* | W | 5000 | 5650 |
| Max. ambient operating temp. | °C | 50 | |
| Fluid type | | Water | |
| Power supply | | | |
| Supply voltage | V ph Hz | 230V (+/-10%) 1ph 50/60Hz | |
| Axial Fan | | | |
| Fan type | | Axial | |
| Quantity | no. | 1 x d.250 mm | |
| Air flow rate | m³/h | 1500 - 1725 | |
| Standard Pump | | | |
| Pump type | | Peripheral | |
| Quantity | no. | 1 | |
| Nominal/max fluid flow rate | l/min | 10.0 - 16.0 | 13.5 - 18.0 |
| Nominal available head | bar | 2.8 | |
| Max. power draw | kW | 0.65 | 0.70 |
| Max. current draw | A | 3.4 | 4.6 |
| | | | |
| Storage tank capacity | l | 5 | |
| IN/OUT liquid connections | inch | 1/4" | |
| Net weight (approximate)*** | kg | 19 | |
| Width - Depth - Height | mm | 520 - 230 - 660 | |
| Sound pressure level** | dB(A) | 38 | |
| IP rating | IP | 34 | |
| | | | |
| * Data relates to operation under the following conditions: outlet temp. 50°C water, ambient temperature 35°C. | | | |
| ** Sound pressure level at 50Hz, measured in a free hemispherical field at a distance of 1 m from the machine and 1.5 metres from the ground, per ISO 3746. | | | |
| *** Weights with storage tank empty and all packaging removed. | | | |
| The electrical data refer to cos φ = 0.8. | | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|--|------|------|------|------|------|------|------|------|--|
| T water- T ambient ΔT | Fw | °C | | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | |
| | | factor | | 0.38 | 0.67 | 1.00 | 1.30 | 1.67 | 1.91 | 2.32 | 2.55 | |
| Percentage glycol by weight | Fg | % | | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | |
| | | factor | | 1.00 | 0.97 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 | 0.90 | |
| Cooling power = Nominal cooling power x Fo x Fa x Ft | | | | | | | | | | | | |

Water-air heat exchangers

COOLING CAPACITY

10000 W



LIQUID CIRCUIT

Liquid circuit composed entirely of non-ferrous material in contact with the liquid to prevent contamination. Stainless-steel electric pump with available head of over 3.5 bar, with thermal cut-out. Storage tank, complete with filling.

COOLING COIL

Microchannel heat exchanger.

MANAGEMENT AND CONTROL

Power supply cable: 1.5 m.

PAINT/COATING

Standard colour: RAL 7035 textured.

STRUCTURE

In polyester powder-coated steel sheet.

AXIAL FAN

Axial fan in aluminium.

MAIN OPTIONS

LE - Electrical level indicator

FP - Polyurethane air filter

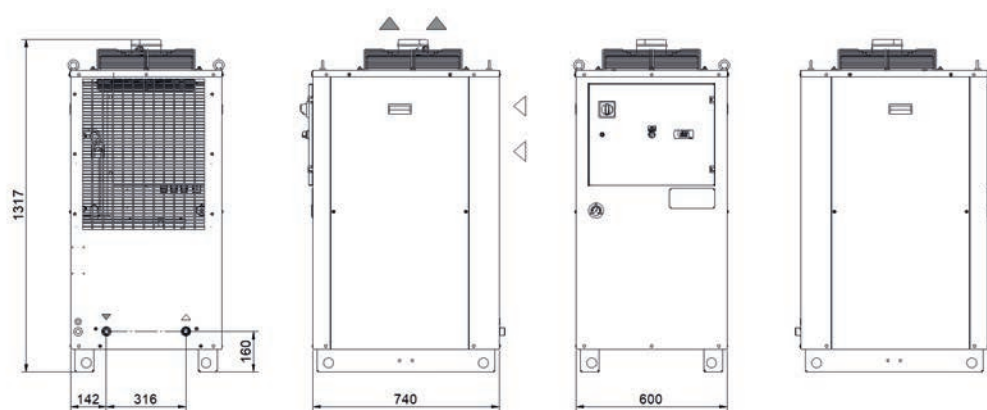
TR - Digital regulation thermostat, temperature display complete with NTC sensor

RU - Castors

AV - Vibration damper supports

Others on customer request

DIMENSIONS



| Model | | SAWA0 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|
| Rated Cooling Capacity* | W | 10000 |
| Max. ambient operating temp. | °C | 50 |
| Fluid type | | Water |
| Power supply | | |
| Supply voltage | V ph Hz | 230V (+/-10%) 1ph 50Hz |
| Axial Fan | | |
| Fan type | | Axial |
| Quantity | no. | 1 |
| Air flow rate | m³/h | 2500 - 2850 |
| Standard Pump | | |
| Pump type | | Peripheral |
| Quantity | no. | 1 |
| Nominal/max fluid flow rate | l/min | 32 - 80 |
| Nominal available head | bar | 3.5 |
| Max. power draw | kW | 1.5 |
| Max. current draw | A | 6.5 |
| | | |
| Storage tank capacity | l | 50 |
| IN/OUT liquid connections | inch | 3/4" |
| Net weight (approximate)*** | kg | 90 |
| Width - Depth - Height | mm | 600 - 740 - 1317 |
| Sound pressure level** | dB(A) | 38 |
| IP rating | IP | 44 |
| <p>* Data relates to operation under the following conditions: outlet temp. 50°C water, ambient temperature 35°C.</p> <p>** Sound pressure level, measured in a free hemispherical field at a distance of 1 m from the machine and 1.5 metres from the ground, per ISO 3746.</p> <p>*** Weights with storage tank empty and all packaging removed.</p> <p>The electrical data refer to $\cos \phi = 0.8$.</p> | | |

| Correction factors for calculating the cooling power | | | | | | | | | | | | |
|------------------------------------------------------|----|--------|--|------|------|------|------|------|------|------|------|--|
| T water- T ambient ΔT | Fw | °C | | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | |
| | | factor | | 0.38 | 0.67 | 1.00 | 1.30 | 1.67 | 1.91 | 2.32 | 2.55 | |
| Percentage glycol by weight | Fg | % | | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | |
| | | factor | | 1.00 | 0.97 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 | 0.90 | |
| Cooling power = Nominal cooling power x Fo x Fa x Ft | | | | | | | | | | | | |

TEXA FLUID

Chemical additives for industrial cooling circuits

INTRODUCTION

Texa industries, thanks to its experience in manufacturing industrial cooling systems, has developed multiple liquid solutions for industrial systems to be used with or without mixing with water. Whenever water is used as the heat transfer medium in circuits, the use of these liquid solutions offers complete protection of the liquid system, also guaranteeing that the heat transfer capacity is maintained. These products have been designed to limit the onset of problems such as corrosion, the formation of deposits and scale, bacteriological phenomena, reduction in performance, increases in maintenance costs, unexpected stoppages and reduction of the average lifespan of the systems. The phenomenon which causes the greatest number of problems in circuits is CORROSION. The water present in the systems tends to form scale deposits and bacterial slime, and above all encourages corrosion caused by the metal being attacked by the oxygen it contains. The use of high-purity water (demineralised, RO purified and in some cases softened) prevents the formation of scale but significantly increases corrosion issues.

The main causes of corrosion are:

OXIDATION of the metals due to the oxygen dissolved in the water;

ACID produced by the breakdown of glycol over time.

Texa industries therefore decided to develop multiple solutions to meet customer requirements in order to prevent damage to industrial systems, particularly closed circuits (at atmospheric and other pressures).

WARNING: For detailed information on the toxicity and other safety factors relating to any type of fluid, refer to the MSDS provided by **texa industries**.



TEXA FLUID 903-TX

Product code: C15001209-25kg can - C15002650-10kg can

This is a liquid solution based on 93% ethylene glycol with the addition of inhibitors and biocides. The product is compatible with all the most common metals (iron, steel, copper and its alloys, aluminium and its alloys), as well as plastic and rubber. Designed to protect liquid circuits in industrial machines, machine tools and all those systems where the recirculation of cold or hot water in multi-metal circuits is necessary. It is formulated with substances which provide three key actions to protect the system:

ANTIFREEZE ACTION: prevents the formation of ice at temperatures around zero;

CORROSION INHIBITION: prevents corrosion by forming a protective film on metal surfaces.

BIOCIDAL ACTION: inhibits growth of fungi, moulds and bacteria, preventing slime build-up.

Do not mix with softened, demineralised and RO purified water.



TEXA FLUID 903-TX-MIXED

Product code: C15001218-25 kg can

This is a liquid solution based on 30% ethylene glycol with the addition of inhibitors and biocides, and mixed with 70 % water. Retains the same chemical characteristics as 903-TX.



TEXA FLUID BIOCIDES-ALGICIDES FLUID

Product code: C15003950-25kg can - C15003930-1kg can

This is a biocide formulation based on isothiazolinone with an excellent algicidal and biomass dispersion action. It is used to control biological pollution in open recirculated or similar cooling circuits. It penetrates the biological masses thanks to its effective dispersive action, guaranteeing the best possible cleaning of the heat exchange surfaces. This liquid, as well as having a powerful biocidal and algicidal effect, also has low levels of toxicity. The use of this liquid is particularly recommended for softened, demineralised and RO purified water (laser applications).



TEXA FLUID CORROSION INHIBITOR

Product code: C15003949-25kg can - C15003929-1kg can

This is a highly ecological formulation which prevents corrosion in closed recirculated hot and cold water circuits. The presence of a strong inorganic anodic inhibitor, which is ecologically compatible, together with organic inhibitors and polymer dispersants, provides excellent protection from corrosion for ferrous and cupric metals and alloys and excellent cleaning of the heat exchange surfaces, preventing the formation of any kind of deposits. Also compatible with non-metallic components.



TEXA FLUID FOOD

Product code: C15004334-25 kg can

This is a multifunctional diathermic fluid based on FDA approved inhibited mono ethylene glycol. Recommended for use as a diathermic fluid whenever accidental food contact is possible. Not suitable for use as a direct food component or additive. It is compatible with most other diathermic fluids based on mono ethylene glycol. Exclusive use of this product is recommended for optimum protection against corrosion. It must be mixed only with low hardness distilled water.

It protects metals and alloys used in systems against all forms of corrosion. The combination of low toxicity and FDA approved ingredients with a high level of corrosion protection makes this product unique on the market. Competing products often provide insufficient protection for aluminium and copper. Given the frequent use of copper in the food industry, the excellent protection that TEXA FLUID FOOD provides for it makes it a particularly suitable product.

NOTES



General Information
info.texa@nvent.com



Technical Support
texa.service@nvent.com

*All efforts have been made to provide accurate data and descriptions.
However, due to our continuous development and improvement of our products,
all information in this catalogue is subject to change without notice.*



