

PRODUCT SELECTION DATA



Very economical operation

Low sound levels

Simple installation

Environmentally responsible

Exceptional reliability

30XBEZE 200 - 1200 30XBPZE 200 - 1200



Nominal cooling capacity 210 - 1170 kW - 50 Hz

The AquaForce® 30XBEZE and 30XBPZE liquid chillers are the economic solution with ultra-low GWP R-1234ze refrigerant for commercial and industrial applications where high reliability and economic operation in all climate conditions are key customer requirements.

The AquaForce® 30XBEZE and 30XBPZE liquid chillers are designed to meet current and future regulations for energy efficiency and operating sound levels. They use the latest Carrier technologies:

- Refrigerant R-1234ze
- Carrier 06T twin-rotor fixed-speed screw compressors.
- Low noise 6th generation of Carrier Flying Bird[™] fans with variable speed AC motor (30XBEZE) or variable speed EC motor.
- Carrier flooded shell-and-tube evaporator with new copper tube design for low pressure drops
- 2nd generation of "V" shape Carrier Novation™ microchannel heat exchangers with optional Enviro-Shield coatings.
- Carrier SmartVu™ control with color touch screen user interface that includes 10 langages.





CARRIER participates in the ECP programme for LCP/HP Check ongoing validity of certificate: www.eurovent-certification.com

AQUAFORCE® VISION WITH PURETEC™ REFRIGERANT

SUSTAINABILITY

PUREtec™: the environmental excellence solution

■ GWP<1

Carrier has selected HFO R-1234ze as the best refrigerant to replace HFC R-134a on screw chillers and heatpumps.

HFO R-1234ze offers a Global Warming Potential (GWP) index below 1, similar to that of natural substances (CO₂ GWP=1).

■ High efficiency

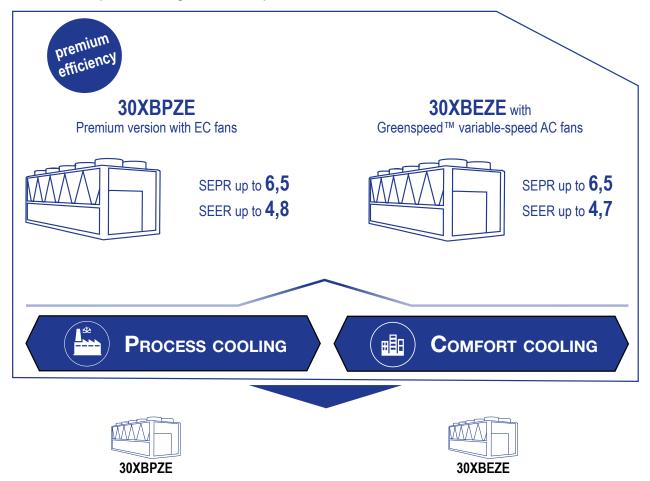
This excellent efficiency performance in turn means a **lower total carbon footprint**, with a reduction of 10% compared to HFC R-134a and HFC/HFO R-513A refrigerants.

■ Regulation compliance

Carrier has made the strategic decision to choose a long-term solution for its new chiller and heat-pump ranges using screw compressors: HFO R-1234ze, with a GWP<1, is not impacted by the F-gas Regulation.

AQUAFORCE® VISION THE RIGHT SOLUTION FOR EVERY APPLICATION

Carrier's AquaForce® Vision range is available in three levels of efficiency to perfectly match each customer application and meet the European Ecodesign directive requirements.



The AquaForce® 30XBPZE with Greenspeed™ intelligence is the premium version EC fans to improve both the full load and part load energy efficiency. The 30XBPZE provides very cost effective operation in both process and comfort applications through the use of state of the art EC fan technology.

The AquaForce® 30XBEZE is equipped with fixed-speed screw compressor and variable-speed AC fans motors. The 30XBEZE offers an economical solution whilst providing high full load energy efficiency level for process applications and 12/7°C operation in hot climates. 30XBEZE is compliant with the 2021 EU Ecodesign SEPR -2/-8°C and 12/7°C requirements for medium and high temperature process chillers.

AQUAFORCE® VISION CUSTOMER BENEFITS

Outstanding performance

Equipped with fixed-speed screw compressors with EC fans and extra condensing surface, Carrier's AquaForce[®] Vision 30XBPZE chiller with Greenspeed™ intelligence improve both the full load and part load energy efficiency. The 30XBPZE provides very cost effective operation in both process and comfort applications through the use of state of the art EC fan technology.

■ Low sound levels

The new generation of Carrier 06T fixed-speed twin screw compressor with integrated resonator array and the 6th generation of Flying Bird™ fans with new fan blade design inspired by nature help reduce compressor and airflow noise down to as little as 90 dB(A). 30XBEZE/30XBPZE is 6 dB(A) quieter than the previous AquaForce® 30XAV generation.





■ Environmentally responsible

Carrier AquaForce® Vision 30XBEZE/30XBPZE is a boost for green cities and contributes to a sustainable future. Combining a reduced load refrigerant and exceptional energy efficiency it significantly lowers energy consumption while reducing carbon dioxide emissions by 25% throughout its life cycle.

■ Extensive scope of application

Carrier AquaForce® Vision adapts effortlessly to a wide range of applications. Extended operating temperatures from -20°C to 55°C outdoor air temperatures and negative water temperatures make it ideal for various sectors of activity. From high-end office buildings and hotels to healthcare facilities, data centers and industrial projects, AquaForce® Vision 30XBEZE/30XBPZE meets the most demanding expectations in terms of energy efficiency and savings, whatever the climate and wherever the location.

■ Easy installation & maintenance

Built-in fixed-speed pumps up to 400 kW, automatic nominal water flow adjustment through electronic control, automatic unit energy performance measurement under real conditions, all these new features provide peace of mind for installers and service companies alike.







CUSTOMER BENEFITS

The range is available in 2 efficiency levels.

■ 30XBEZE standard unit

The AquaForce® 30XBEZE is equipped with fixed-speed screw compressors and variable speed fans with AC motors. The 30XBEZE offers an economical solution whilst providing high full load efficiency for process applications and operation in high ambients.

(Average SEPR of 6,1, average SEER of 4,6, average EER of 3,3)

■ 30XBPZE premium unit

The 30XBPZE premium unit is equipped with variable speed EC fans to improve both the full load and part load energy efficiency. The 30XBPZE provides very cost effective operation in both process and comfort applications through the use of state of the art EC fan technology. (Average SEPR of 6,4, average SEER of 4,6, average EER of 3,4)

Very economical operation

Exceptionally high full load and part load energy efficiency:

- 30XBEZE version with Eurovent energy efficiency class A, and SEER 12/7°C up to 4,7 in accordance with EN14825.
- 30XBPZE version with Eurovent energy efficiency class A, and SEER 12/7°C up to 4,8 in accordance with EN14825.
- Twin-rotor screw compressor equipped with a highefficiency motor and a variable capacity valve that permits exact matching of the cooling capacity to the load.
- Novation™ aluminium condenser with high-efficiency micro-channels.
- Flooded shell-and-tube evaporator with new generation of cooler tubes to reduce exchanger pressure drops, especially in applications with high percentage of glycol.
- Electronic expansion device permitting operation at a lower condensing pressure and improved utilisation of the evaporator heat exchange surface (superheat control).
- Economiser system with electronic expansion device for increased cooling capacity.

Low operating sound levels

- Compressors
 - Discharge dampers integrated in the oil separator (Carrier patent).
 - Silencer on the economiser return line.
 - Compressor and oil separator acoustic enclosure, reducing radiated noise (option).
- Condenser section
 - Condenser coils in wide angle V configuration, allowing quieter air flow across the coil
 - Low-noise 6th generation Flying Bird fans, made of a composite material (Carrier patent), are now even quieter and do not generate intrusive low-frequency noise
 - Rigid fan mounting preventing start-up noise (Carrier patent).

CUSTOMER BENEFITS

Simple installation

- Integrated hydraulic module (option)
 - Centrifugal low or high-pressure water pump (as required), based on the pressure loss of the hydraulic installation
 - Single or dual pump (as required) with run time balancing and automatic changeover to the back-up pump if a fault develops
 - Water filter to protect pump against circulating debris
 - High-capacity membrane expansion tank ensures pressurisation of the water circuit (option)
 - Thermal insulation and aluminium cladding (option)
 - Pressure sensor to check filter condition and for direct numerical display of the water flow rate with an estimate of the instantaneous cooling capacity at the control interface
- Simplified electrical connections
 - Main disconnect switch with high trip capacity
 - Transformer to supply the integrated control circuit (400/24 V).
- Fast commissioning
 - Systematic factory operation test before shipment
 - Quick-test function for step-by-step verification of the controls, expansion devices, fans and compressors.

Exceptional reliability

- Screw compressors
 - Industrial-type screw compressors with oversized bearings and motor cooled by suction gas.
 - All compressor components are easily accessible on site minimising down-time.
 - Dedicated electronic compressor protection module.
- Air condenser

2nd generation of "V" shape Carrier Novation™ aluminium microchannel heat exchangers (MCHE) with high corrosion resistance. The all aluminium design eliminates the formation of galvanic currents between aluminium and copper that cause coil corrosion in saline or corrosive environments.

Evaporator

Thermal insulation with aluminium sheet finish (option) for improved resistance to mechanical and UV damage.

- Auto-adaptive control
 - Control algorithm prevents excessive compressor cycling (Carrier patent)
 - Automatic compressor unloading in case of abnormally high condensing pressure. If condenser coil fouling or fan failure occurs, the AquaForce® continues to operate, but at reduced capacity
- Exceptional endurance tests
 - Partnerships with specialised laboratories and use of sophisticated finite element stress analysis for the design of critical components.
 - Transport simulation test in the laboratory on a vibrating table. The test is based on a military standard and equivalent to 4000 km by truck.
 - Salt mist corrosion resistance test in the laboratory for increased corrosion resistance.

30XBEZE AND 30XBPZE TECHNICAL INSIGHTS



3RD GENERATION OF NOVATION® MICRO CHANNEL HEAT EXCHANGERS

- Exclusive Carrier design
- Increased reliability with new aluminum alloy
- Significantly reduces refrigerant charge (-40% vs cu/al coils)
- Enviro-shield[™] coating for mildly corrosive environments
- Super Enviro-shield™ coating for highly corrosive environments (industry or marine applications)
- Easy cleaning with high pressure air or water washer



6TH GENERATION OF VARIABLE-SPEED FLYING BIRD™ FANS WITH AC OR EC MOTOR

- Exclusive Carrier design
- Fan blade design inspired by nature
- AC motor technology
- High efficiency version with EC motor technology (option and 30XBPZE).

ADVANCED SMARTVU™ WITH 7 INCH COLOR TOUCH SCREEN INTERFACE

- Exclusive Carrier design
- 10 languages available: DE, EN, ES, FR, IT, NL, PT, TR, TU + one additional customer choice
- Touch screen user interface
- BACnet, J-Bus or LON communication interfaces
- Optional wireless connectivity



■ Remote monitoring with Carrier





FIXED-SPEED DUAL PUMPS WITH AC MOTOR (OPTION)

- Low static pressure (~100 kPa) or high static pressure (~180 kPa) available
- Available on all sizes up to 400 kW



CARRIER FIXED-SPEED 06T TWIN SCREW COMPRESSOR WITH AC MOTOR

- Exclusive Carrier design
- Twin screw compressor designed for fixedspeed operation
- Sliding valve control (30%-100%)
- Bearing life exceeding 100.000 hours
- 99,7% of units without compressor default

FLOODED SHELL AND TUBE EVAPORATOR

- Exclusive Carrier design
- Flooded technology for high energy efficiency
- New generation of copper tubes with specific profile to reduce pressure drops when operating with glycol

Environmental responsibility

- The AquaForce® with PUREtec™ refrigerant liquid chillers with Greenspeed™ Intelligence is a boost for green cities and contributes to a sustainable future. Combining a reduced charge of R-1234ze refrigerant and exceptional energy efficiency it significantly lowers energy consumption while reducing carbon dioxide emissions by 15% throughout its life cycle (compared to previous fixed-speed screw liquid chiller generation).
- R-1234ze: HFO refrigerant with zero ozone depletion potential and ultra low GWP (<1).
- 40% less refrigerant charge: the micro-channel technology used for condenser coils optimises heat transfer while minimising the refrigerant volume.
- Leak tight refrigerant circuits:
 - Reduction of leaks as no capillary tubes and flare connections are used
 - Verification of pressure transducers and temperature sensors without transferring refrigerant charge
 - Discharge line shut-off valve and liquid line service valve for simplified maintenance.
- Refrigerant leak alert: the AquaForce® 30XBEZE/30XBPZE liquid chiller is equipped with an automatic refrigerant leak detection algorithm that can detect serious refrigerant loss at any point on the system (Sensitivity: 25% refrigerant charge loss per circuit, depending on the conditions). The automatic refrigerant leak detection system can help to achieve recognition within pollution prevention assessment programs, ideal for assisting in the design of sustainable buildings.
- Refrigerant leak detection: available as an option, this additional dry-contact allows reporting of possible leaks. The leak detector (by others) should be mounted in the most likely leak location.



- R-1234ze long-term refrigerant solution
 - HFO refrigerant with nearly zero global warming potential (GWP < 1) and zero ozone depletion potential (ODP = 0).
 - Not impacted by the HFC phase-down plan in Europe (79% HFC reduction in EU member states at 2030 horizon)
 - Compliant with refrigerant regulation in Switzerland that bans the use of HFC refrigerant in large capacity airconditioning equipment.

Designed to support Green Building Design

Agreen building is a building that is environmentally sustainable and has been designed, constructed and is operated to minimise the total impact on the environment.

The resulting building will be economical to operate, offer increased comfort and create a healthier environment for the people who live and work there, increasing productivity.

The air conditioning system can use between 30 and 40% of the annual building energy consumption. Selection of the right air conditioning system is one of the main aspects to consider when designing a green building. For buildings with a variable load throughout the year 30XBEZE/30XBPZE units offer a solution to this important challenge.

A number of green building certification programs exist in the market and offer third-party assessment of green building measures for a wide variety of building types.

The following example looks at how Carrier's new 30XBEZE/30XBPZE range helps customers involved in LEED® building certification.

The other benefit of using the AquaForce® with PUREtec™ refrigerant products is the eligibility for BUILDING labeling programs like BREEAM, HQE in France or Green Building Council labelling, that are recognizing the use of sustainable heating and air-conditioning equipment.

Let's take the example of BREEAM assessment method for the sustainability of buildings.

Two credits can be awarded where the refrigerants used in air-conditioning systems have a Global Warming Potential below 10

And one additional credit can be awarded where the systems have a low Total Equivalent Warming Impact.

The AquaForce[®] with PUREtec[™] refrigerant is not only a solution that is reducing the energy bill and the CO₂ footprint. It also helps the green certification of your buildings.

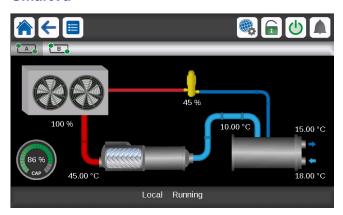
Energy saving certificate

AquaForce® with with PUREtec™ refrigerant is eligible to Energy savings certificates in France (CEE) in comfort, industrial and agriculture applications:

- Floating High pressure control (by modulating the air fow through fan activation and its speed)
- Floating Low pressure control
- Variable speed on asynchronous fan motor
- Variable speed on asynchronous pump motor

For more details about financial incentives in France, please refer to "Fiche produit CEE"

SmartVuTM



- New innovative smart control features:
 - An intuitive and user-friendly, coloured, 7" interface
 - 10 languages available on choice: DE, EN, ES, FR, IT, NL, PT, TR, TU + one additional customer choice
 - Screen-shots with concise and clear information in local languages
 - Complete menu, customised for different users (end user, service personnel and Carrier-factory technicians)
 - Setpoint offset based on the outside air temperature
 - Safe operation and unit setting: Password protection ensures that unauthorised people cannot modify any advanced parameters
 - Simple and "smart" intelligence uses data collection from the constant monitoring of all machine parameters to optimise unit operation
 - Night-mode: Cooling capacity management for reduced
 - noise level.
 - With hydraulic module: Water pressure display and water fow rate calculation.
- Energy management:
 - Internal time schedule clock controls chiller on/off times and operation at a second set-point
 - The DCT (Data Collection Tool) records the alarms history to simplify and facilitate service operations.
- Maintenance functions
 - F-Gas regulation leak check reminder alert
 - Maintenance alert can be configured to days, months or hours of operation
- Advanced communication features
 - Easy and high-speed communication technology over Ethernet (IP) to a centralised building management system
 - Access to multiple unit parameters.

Remote management (standard)

- Units with SmartVu[™] control can be easily accessed from the internet, using a PC with an Ethernet connection. This makes remote control quick and easy and offers significant advantages for service operations.
- AquaForce® with Greenspeed® Intelligence is equipped with an RS485 serial port that offers multiple remote control, monitoring and diagnostic possibilities. When networked with other Carrier equipment through the CCN (Carrier Comfort Network proprietary protocol), all components form a HVAC system fully-integrated and balanced through one of the Carrier's network system products, like the Chiller System Manager or the Plant System Manager (optional).

- The 30XBEZE/30XBPZE also communicates with other building management systems via optional communication gateways (BACnet, LON or JBus).
- The following commands/visualisations are possible from remote connection:
 - Start/Stop of the machine
 - Dual set-point management: Through a dedicated contact is possible to activate a second set-point (example, unoccupied mode)
 - Demand limit setting: To limit the maximum chiller capacity to a predefined value
 - Water pump control: These outputs control the contactors of one/two evaporator water pumps.
 - Water pumps changeover (only with hydraulic module options): These contacts are used to detect a water pump operation fault and automatically change over to the other pump.
 - Operation visualisation: Indication if the unit is operating or if it is in stand-by (no cooling load)
 - Alarm visualisation.

Remote management (EMM option)

- The Energy Management Module (EMM) offers extended remote control possibilities:
 - Room temperature: Permits set-point reset based on the building indoor air temperature (if Carrier thermostats are installed)
 - Set-point reset: Allows reset of the cooling set-point based on a 4-20 mA or 0-10 V signal
 - Demand limit: Permits limitation of the maximum chiller capacity based on 0-10 V signal
 - Demand limit 1 and 2: Closing of these contacts limits the maximum chiller capacity to two predefined values.
 - User safety: This contact can be used for any customer safety loop; opening the contact generates a specific alarm
 - Ice storage end: When ice storage has finished, this input permits return to the second set-point (unoccupied mode).
 - Time schedule override: Closing of this contact cancels the programmed time schedule.
 - Out of service: This signal indicates that the chiller is completely out of service.
 - Chiller capacity: This analogue output (0-10 V) gives an immediate indication of the chiller capacity.
 - Alert indication: This volt-free contact indicates the necessity to carry out a maintenance operation or the presence of a minor fault.
 - Compressors running status: Set of outputs (as many as the compressors number) indicating which compressors are running.

TECHNICAL INSIGHTS

06T Screw Compressor



99.7%* of units without a compressor failure

Quality rate measured over a period of 15 years operation

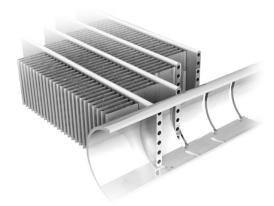
The Carrier 06T screw compressor benefits from Carrier's long experience in the development of twin-rotor screw compressors. The compressor is equipped with bearings with oversized rollers, oil pressure lubricated for reliable and durable operation, even at maximum load.

A variable control valve controlled by the oil pressure permits infinitely variable cooling capacity. This system allows optimal adjustment of the compressor cooling capacity and ensures exceptionally high stability of the chilled water leaving temperature.

Among the other advantages: if a fault occurs e.g. if the condenser is fouled or at very high outside temperature, the compressor does not switch off, but continues operation with a reduced capacity (unloaded mode).

The compressor is equipped with a separate oil separator that minimises the amount of oil in circulation in the refrigerant circuit and, with its integrated silencer, considerably reduces discharge gas pulsations for much quieter operation.

Novation® Heat Exchangers with Micro-Channel coil Technology



Already utilised in the automobile and aeronautical industries for many years, the Novation™ MCHE micro-channel heat exchanger used in the AquaForce® is entirely made of aluminium. This one-piece concept significantly increases its corrosion resistance by eliminating the galvanic currents that are created when two different metals (copper and aluminium) come into contact in traditional heat exchangers. Unlike traditional heat exchangers the Novation™ MCHE heat exchanger can be used in moderate marine and urban environments (Carrier recommendation).

From an energy efficiency point-of-view the Novation™ MCHE heat exchanger is approximately 10% more efficient than a traditional coil and allows a 40% reduction in the amount of refrigerant used in the chiller. The low thickness of the Novation™ MCHE reduces air pressure losses by 50% and makes it susceptible to very little fouling (e.g. by sand). Cleaning of the Novation™ MCHE heat exchanger is very fast using a high-pressure washer.

Carrier Novation® MCHE with Super Enviro-shield® coating, the ideal customer choice

To further enhance long-term performance, and to protect coils from early deterioration, Carrier offers (as options) dedicated treatments for installations in corrosive environments.

The Novation™ MCHE with Enviro-Shield protection (option 262) are recommended for installations in moderately corrosive environments. The Enviro-Shield protection utilises corrosion inhibitors which actively arrest oxidation in case of mechanical damage.

The Novation™ MCHE with the exclusive Super Enviro-Shield protection (option 263) are recommended for installations in corrosive environments. The Super Enviro-Shield protection consist in an extremely durable and flexible epoxy coating uniformly applied over all coil surfaces for complete isolation from the contaminated environment.

TECHNICAL INSIGHTS

Novation® Heat Exchangers with Micro-Channel coil Technology

After a total of more than 7,000 hours of testing following various test standards in UTC laboratories, the Carrier Novation® MCHE with Super Enviro-shield® coating appears to be the ideal customer choice to minimize the harmful effects of corrosive atmospheres and ensure long equipment life.

- Best corrosion resistance per ASTM B117/D610 test
- Best heat transfer performance per Carrier Marine 1 test
- Proven reliability per ASTM B117 test

Coil Types (ranked by performance)	Visual Corrosion Evaluation	Heat Transfer Performance Degradation	Time to Failure	Test Campaign Conclusions
Super Enviro-shield® Novation™ MCHE	Very good	Very good	No coil leak	Best
Super Enviro-shield® Cu/Al coil	Very good	Good	No coil leak	Very good
Enviro-shield® Novation™ MCHE	Very good	Good	No coil leak	Very good
Al/Al coil	Very good	Good	No coil leak	Very good
Novation™ MCHE	Good	Good	No coil leak	Good
Cu/Cu coil	Good	Good	Leak	Acceptable
Blygold® Cu/Al coil	Good	Good	No coil leak	Acceptable
Precoat Cu/Al coil	Bad	Bad	No coil leak	Bad
Cu/Al coil	Bad	Bad	No coil leak	Bad

New Generation of Flying Bird VI fans



The 30XBEZE and 30XBPZE utilize Carrier's 6th generation Flying Bird[™] fan technology, engineered for maximum efficiency, super low noise, and wide operating range. The fan includes Carrier patented rotating shroud technology and back-swept blades with a unique wave-serration trailing edge inspired from nature.

It was designed and optimized for the 30XBEZE air management system configuration and heat exchanger technology and is offered with induction and EC motor options. The fan meets the latest European eco-design requirements for fan efficiency. The fan uses Carrier's robust and proven injection molded composite-thermoplastic construction.

OPTIONS

Options	No.	Description	Advantages	Use for 30XBEZE / 30XBPZE
Medium- temperature brine solution	5	Implementation of new control algorithms and redesigned evaporator to allow chilled brine solution production down to -6°C when ethylene glycol is used (0°C with propylene glycol)	Covers specific applications such as ice storage and industrial processes	30XB(E/P)ZE 200-1200
Low-temperature brine solution	6	Implementation of new control algorithms and redesigned evaporator to allow chilled brine solution production down to -12°C when ethylene glycol is used (-10°C with propylene glycol)	Covers specific applications such as ice storage and industrial processes	30XB(E/P)ZE 200-1200
Unit equipped for air discharge ducting	10	Fans equipped with discharge connection flanges - maximum available pressure 60 Pa	Facilitates connections to the discharge ducts	30XB(E/P)ZE 200-1200
Low noise level	15	Aesthetic and sound absorbing compressor enclosure	Noise level reduction	30XB(E/P)ZE 200-1200
Very low noise level	15LS	Sound absorbing & aesthetic compressor enclosure and oil separator, evaporator and suction line acoustic treatment, combined with low-speed fans	Noise level reduction in sensitive environments	30XB(E/P)ZE 200-1200
Ultra low noise level	15LS+	Acoustic compressor enclosure, low-speed fans and enhanced sound insulation of main noise sources	Noise level reduction for sensible site	30XB(E/P)ZE 200-1200
Tropicalisation	22	Unit control box suitable for tropical climates	Reduced relative humidity in the control boxes for operation in tropical climates (warm and humid)	30XB(E/P)ZE 200-1200
Grilles and enclosure panels	23	Metallic protection grilles and side enclosure panels	Improves aesthetics, protection against intrusion to the unit interior, coil and piping protection against impacts.	30XB(E/P)ZE 200-1200
Enclosure panels	23A	Side enclosure panels	Improves aesthetics and piping protection against impacts.	30XB(E/P)ZE 200-1200
Low inrush current	25C	compressor loading and unloading sequence to limit the unit start-up current	Reduced start-up current	30XB(E/P)ZE 200-1200
Water exchanger frost protection	41A	Electric resistance heater on the water exchanger and discharge valve	Water exchanger frost protection down to -20°C outside temperature	30XB(E/P)ZE 200-1200
Evaporator & hydraulic module frost protection	41B	Electric resistance heater on water exchanger, discharge valve and hydraulic module	Water exchanger and hydraulic module frost protection down to -20°C outside temperature	30XB(E/P)ZE 200-400
Total heat recovery	50	Unit equipped with additional heat exchanger in parallel with the condenser coils.	Production of free hot-water simultaneously with chilled water production	30XB(E/P)ZE 200-750
Total heat recovery on one circuit	50C	Unit equipped with additional heat exchanger in parallel with the condenser coils on one circuit only	Production of free hot-water simultaneously with chilled water production	30XB(E/P)ZE 900-1200
Master/slave operation	58	Unit equipped with supplementary water outlet temperature sensor kit (to be field installed) allowing master/slave operation of two units connected in parallel	Optimised operation of two units connected in parrallel operation with operating time equalisation	30XB(E/P)ZE 900-1200
Single power connection point	81	Unit power connection via one main supply connection	Quick and easy installation	30XB(E/P)ZE 900-1200
Evap. and pumps with aluminum jacket	88A	Evaporator and pumps covered with an aluminum sheet for thermal insulation protection	Improved resistance to aggressive climate conditions	30XB(E/P)ZE 200-400
Service valve set	92	Liquid line valve (evaporator inlet) and compressor suction line valve	Allow isolation of various refrigerant circuit components for simplified service and maintenance	30XB(E/P)ZE 200-1200
Compressor discharge valves	93A	Shut-off valve on the compressor discharge piping	Simplified maintenance	30XB(E/P)ZE 200-1200
Evaporator with one pass more	100A	Evaporator with one pass more on the water side	Optimise chiller operation when the chilled water circuit is designed with low waterflows (high evaporator delta T)	30XB(E/P)ZE 200-1200
21 bar evaporator	104	Reinforced evaporator for extension of the maximum water-side service pressure to 21 bar (standard 10 bar)	Covers applications with a high water column evaporator side (typically high buildings)	30XB(E/P)ZE 200-1200
Reversed evaporator water connections	107	Evaporator with reversed water inlet/outlet	Easy installation on sites with specific requirements	30XB(E/P)ZE 200-1200
HP dual-pump hydraulic module	116S	Hydraulic module equipped with water filter, two high pressure pumps, drain valve and pressure transducers (expansion tank & aluminum jacket not included).	Easy and fast installation (plug & play).	30XB(E/P)ZE 200-400

OPTIONS

Options	No.	Description	Advantages	Use for 30XBEZE / 30XBPZE
LP dual-pump hydraulic module	116U	Hydraulic module equipped with water filter, two low pressure pumps, drain valve and pressure transducers (expansion tank & aluminum jacket not included).	Easy and fast installation (plug & play).	30XB(E/P)ZE 200-400
Lon gateway	148D	complying with Lon Talk protocol	Connects the unit by communication bus to a building management system	30XB(E/P)ZE 200-1200
Bacnet over IP	149	Bi-directional high-speed communication using BACnet protocol over Ethernet network (IP)	Easy and high-speed connection by ethernet line to a building management system. Allows access to multiple unit parameters	30XB(E/P)ZE 200-1200
Modbus over IP and RS485	149B	Bi-directional high-speed communication using Modbus protocol over Ethernet network (IP)	Easy and high-speed connection by ethernet line to a building management system. Allows access to multiple unit parameters	30XB(E/P)ZE 200-1200
Energy Management Module	156	EMM Control board with additional inputs/ outputs. See Energy Management Module option chapter	Extended remote control capabilities (Setpoint reset, ice storage end, demand limits, boiler on/off command)	30XB(E/P)ZE 200-1200
7" user interface	158A	Control supplied with a 7 inch colour touch screen user interface	Enhanced ease of use.	30XB(E/P)ZE 200-1200
Refrigerant leak detection	159	0-10 V signal to report any refrigerant leakage in the unit directly on the controlller (the leak detector itself must be supplied by the customer)	Immediate customer notification of refrigerant losses to the atmosphere, allowing timely corrective actions	30XB(E/P)ZE 200-1200
Dual relief valves on 3-way valve	194	Three-way valve upstream of dual relief valves on the shell and tubes evaporator	Valve replacement and inspection facilitated without refrigerant loss. Comforms to European standard EN378/BGVD4	30XB(E/P)ZE 200-1200
Compliance with Swiss regulations	197	Additional tests on the water heat exchangers: supply (additional of PED documents) supplementary certificates and test certifications	Conformance with Swiss regulations	30XB(E/P)ZE 200-1200
Compliance with Russian regulations	199	EAC certification	Conformance with Russian regulations	30XB(E/P)ZE 200-1200
Compliance with Australian regulations	200	Unit approved to Australian code	Conformance with Australian regulations	30XB(E/P)ZE 200-1200
Insulation of the evap. in/out ref. lines	256	Thermal insulation of the evaporator entering/leaving refrigerant lines with flexible, UV resistant insulation	Prevents condensation on the evaporator entering/leaving refrigerant lines	30XB(E/P)ZE 200-1200
Enviro-Shield anti-corrosion protection	262	Coating by conversion process which modifies the surface of the aluminum producing a coating that is integral to the coil. Complete immersion in a bath to ensure 100% coverage. No heat transfer variation, tested 4000 hours salt spray per ASTM B117	Improved corrosion resistance, recommended for use in moderately corrosive environments	30XB(E/P)ZE 200-1200
Super Enviro- Shield anti- corrosion protection	263	Extremely durable and flexible epoxy polymer coating applied on micro channel heat exchangers by electro coating process, final UV protective topcoat. Minimal heat transfer variation, tested 6000 hours constant neutral salt spray per ASTM B117, superior impact resistance per ASTM D2794	Improved corrosion resistance, recommended for use in extremely corrosive environments	30XB(E/P)ZE 200-1200
Welded evaporator connection kit	266	Victaulic piping connections with welded joints	Easy installation	30XB(E/P)ZE 200-1200
Compressor enclosure	279a	Compressor enclosure	Improved aesthetic, compressor protection against external elements (dust, sand, water)	30XB(E/P)ZE 200-1200
Evaporator with aluminum jacket	281	Evaporator covered with an aluminum sheet for thermal insulation protection	Improved resistance to aggressive climate conditions	30XB(E/P)ZE 200-1200
230V electrical plug	284	230V AC power supply source provided with plug socket and transformer (180 VA, 0,8 Amps)	Permits connection of a laptop or an electrical device during unit commissioning or servicing	30XB(E/P)ZE 200-1200
Expansion tank	293	6 bar expansion tank integrated in the hydraulic module (requires hydraulic module option)	Easy and fast installation (plug & play), & Protection of closed water systems from excessive pressure	30XB(E/P)ZE 200-1200
US screw compressor	297	Screw compressor made in US		30XB(E/P)ZE 200-1200
Variable Water Flow control	299	hydraulic control function package that permits control of the water flow rate based on different possible logics (at customer choice): constant ?T, constant outlet pressure and "fixed-speed" control	When variable-speed pumps on the primary circuit, the VWF control modulates flow rate through the evaporator, minimising pump consumption while ensuring safe/optimised chiller operation	30XB(E/P)ZE 200-1200
Free-cooling dry-cooler control	313	Control & connections to a Free Cooling Drycooler 09PE or 09VE fitted with option FC control box	Easy system managment, Extended control capabilities to a dryccoler used in Free Cooling mode	30XB(E/P)ZE 200-1200

PHYSICAL DATA, SIZES 30XBEZE 200 TO 600

·												
30XBEZE			200	230	250	300	350	400	450	500	550	600
Cooling												
Standard unit	Nominal capacity	kW	210	229	246	298	340	380	472	520	556	592
Full load performances* CA1	EER	kW/kW	3,31	3,26	3,29	3,35	3,33	3,32	3,33	3,42	3,27	3,27
Unit with option 15LS (+)	Nominal capacity	kW	208	226	244	296	337	374	464	512	546	580
Full load performances*	EER	kW/kW	3,33	3,35	3,28	3,36	3,31	3,27	3,40	3,47	3,27	3,24
04	SEER _{12/7°C} Comfort low temp.	kWh/kWh	4,65	4,57	4,54	4,49	4,51	4,51	4,67	4,78	4,60	4,59
Standard unit	ns cool _{12/7°C}	%	183	180	179	177	177	177	184	188	181	181
Seasonal energy efficiency **	SEPR _{12/7°C} Process high temp.	kWh/kWh	6,23	6,36	6,43	6,26	6,24	6,34	6,36	6,39	6,03	6,06
Unit with Option 6 Seasonal energy efficiency **	SEPR _{-2/-8°C} Process medium temp.***	kWh/kWh	3,55	3,53	3,53	3,37	3,53	3,51	3,49	3,60	3,56	3,38
	SEER _{12/7°C} Comfort low temp.	kWh/kWh	4,59	4,59	4,57	4,64	4,65	4,63	-	-	-	-
Unit with Option 299	ns cool _{12/7°C}	%	181	181	180	183	183	182	-	-	-	-
Seasonal energy efficiency **	SEPR _{12/7°C} Process high temp.	kWh/kWh	6,22	6,35	6,45	6,31	6,28	6,37	-	-	-	-
Unit with Option 5 Seasonal energy efficiency **	SEPR _{12/7°C} Process high temp.			6,36	6,32	6,05	6,23	6,13	6,22	6,26	6,15	5,80
Unit with option 15LS (+)	SEER _{12/7°C} Comfort low temp.	kWh/kWh	4,71	4,64	4,52	4,53	4,48	4,49	4,67	4,82	4,58	4,58
Seasonal energy efficiency **	ns cool _{12/7°C}	%	186	182	178	178	176	176	184	190	180	180
	SEPR _{12/7°C} Process high temp.	kWh/kWh	6,36	6,56	6,44	6,34	6,24	6,03	6,39	6,53	5,95	6,06
Unit with Option 6 & 15LS (+) Seasonal energy efficiency **	SEPR _{-2/-8°C} Process medium temp.***	kWh/kWh		3,53	3,53	3,37	3,53	3,50	3,51	3,60	3,54	3,35
Unit with Option 299 & 15LS	SEER _{12/7°C} Comfort low temp.	kWh/kWh	4,65	4,65	4,54	4,68	4,61	4,60	-	-	-	-
(+)	ns cool _{12/7°C}	%	183	183	179	184	182	181	-	-	-	-
Seasonal energy efficiency **	SEPR _{12/7°C} Process high temp.	kWh/kWh	6,35	6,46	6,46	6,40	6,28	6,06	-	-	-	-
Unit with Option 5 & 15LS (+) Seasonal energy efficiency **	SEPR _{12/7°C} Process high temp.		6,27	6,43	6,37	6,12	6,28	6,25	6,34	6,32	6,21	5,87
Sound levels	,											
Standard unit												
Sound power ⁽¹⁾		dB(A)	99	99	99	99	101	99	101	99	103	103
Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾		dB(A)	99 67	99 67	99 67	99 67	101 69	99 67	101 68	99 66	103 70	103 70
<u> </u>		dB(A)										
Sound pressure at 10 m ⁽²⁾			67	67	67	67	69	67	68	66	70	70
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m			67	67	67	67	69	67	68	66	70	70
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾		dB(A)	67 80	67 80	67 80	67 79	69 81	67 79	68 80	66 78	70 82	70 82
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾		dB(A)	67 80 93	67 80 93	67 80 94	67 79 95	69 81 95	67 79 95	68 80 97	66 78 96	70 82 97	70 82 98
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾		dB(A)	67 80 93 61	67 80 93 61	67 80 94 62	67 79 95 63	69 81 95 63	67 79 95 63	68 80 97 64	66 78 96 63	70 82 97 64	70 82 98 65
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m		dB(A)	67 80 93 61	67 80 93 61	67 80 94 62	67 79 95 63	69 81 95 63	67 79 95 63	68 80 97 64	66 78 96 63	70 82 97 64	70 82 98 65
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾		dB(A) dB(A)	93 61 74	67 80 93 61 74	67 80 94 62 75	67 79 95 63 75	69 81 95 63 75	67 79 95 63 75	68 80 97 64 76	96 63 75	70 82 97 64 76	70 82 98 65 77
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound power ⁽¹⁾		dB(A) dB(A)	93 61 74	93 61 74	67 80 94 62 75	67 79 95 63 75	69 81 95 63 75	67 79 95 63 75	97 64 76	96 63 75	70 82 97 64 76	70 82 98 65 77
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾		dB(A) dB(A) dB(A)	93 61 74 87 55	93 61 74 87 55	67 80 94 62 75 87 55	95 63 75 90 58	95 63 75 91 59	95 63 75 91 59	97 64 76 93 60	96 63 75 92 59	97 64 76 94 61	70 82 98 65 77 94 61
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m		dB(A) dB(A) dB(A)	93 61 74 87 55	93 61 74 87 55	67 80 94 62 75 87 55	95 63 75 90 58	95 63 75 91 59	95 63 75 91 59	97 64 76 93 60	96 63 75 92 59	97 64 76 94 61	70 82 98 65 77 94 61
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾		dB(A) dB(A) dB(A) dB(A)	93 61 74 87 55 68	93 61 74 87 55 68	67 80 94 62 75 87 55 68	67 79 95 63 75 90 58 70	95 63 75 91 59 71	67 79 95 63 75 91 59 71	97 64 76 93 60 72	96 63 75 92 59 71	70 82 97 64 76 94 61 73	70 82 98 65 77 94 61 73
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound pressure at 1 m		dB(A) dB(A) dB(A) dB(A)	93 61 74 87 55 68	93 61 74 87 55 68	67 80 94 62 75 87 55 68	95 63 75 90 58 70	95 63 75 91 59 71	67 79 95 63 75 91 59 71	97 64 76 93 60 72	96 63 75 92 59 71	70 82 97 64 76 94 61 73	70 82 98 65 77 94 61 73
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾		dB(A) dB(A) dB(A) dB(A) dB(A)	93 61 74 87 55 68	93 61 74 87 55 68	94 62 75 87 55 68	95 63 75 90 58 70	95 63 75 91 59 71 89	95 63 75 91 59 71 89 57	97 64 76 93 60 72 91 58	96 63 75 92 59 71 90 57	97 64 76 94 61 73 91 58	70 82 98 65 77 94 61 73
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound pressure at 1 m Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m		dB(A) dB(A) dB(A) dB(A) dB(A)	93 61 74 87 55 68	93 61 74 87 55 68	94 62 75 87 55 68	95 63 75 90 58 70	95 63 75 91 59 71 89	95 63 75 91 59 71 89 57	97 64 76 93 60 72 91 58	96 63 75 92 59 71 90 57	97 64 76 94 61 73 91 58	70 82 98 65 77 94 61 73
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Dimensions		dB(A) dB(A) dB(A) dB(A) dB(A)	93 61 74 87 55 68	67 80 93 61 74 87 55 68	67 80 94 62 75 87 55 68	67 79 95 63 75 90 58 70	69 81 95 63 75 91 59 71 89 57 69	67 79 95 63 75 91 59 71 89 57 69	97 64 76 93 60 72 91 58 70	96 63 75 92 59 71 90 57	70 82 97 64 76 94 61 73 91 58 70	70 82 98 65 77 94 61 73 92 59 71
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Dimensions Standard unit		dB(A) dB(A) dB(A) dB(A) dB(A) dB(A) dB(A)	93 61 74 87 55 68 - -	93 61 74 87 55 68 -	67 80 94 62 75 87 55 68	67 79 95 63 75 90 58 70 - -	69 81 95 63 75 91 59 71 89 57 69	67 79 95 63 75 91 59 71 89 57 69	68 80 97 64 76 93 60 72 91 58 70	96 63 75 92 59 71 90 57 69	70 82 97 64 76 94 61 73 91 58 70	70 82 98 65 77 94 61 73 92 59 71
Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15 ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS ⁽³⁾ Sound power ⁽¹⁾ Sound pressure at 10 m ⁽²⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound pressure at 1 m Unit + option 15LS+ ⁽³⁾ Sound pressure at 1 m Dimensions Standard unit Length		dB(A) dB(A) dB(A) dB(A) dB(A) dB(A) dB(A)	87 55 68 - - - 3604 2253	67 80 93 61 74 87 55 68 - -	67 80 94 62 75 87 55 68 - -	67 79 95 63 75 90 58 70 - - - 4798 2253	69 81 95 63 75 91 59 71 89 57 69	67 79 95 63 75 91 59 71 89 57 69	97 64 76 93 60 72 91 58 70	96 63 75 92 59 71 90 57 69	70 82 97 64 76 94 61 73 91 58 70	70 82 98 65 77 94 61 73 92 59 71

In accordance with standard EN14511-3:2018.

** In accordance with standard EN14825:2016, average climate

Cooling mode conditions: Evaporator water entering/leaving temperature 12°C/7°C, outside air temperature 35°C, evaporator fooling

factor 0 m2.K/W

 $\eta s \ cool_{12/7^{\circ}C} \ \& \ SEER \ {}_{12/7^{\circ}C} Bold \ values \ compliant \ to \ Ecodesign \ regulation: (EU) \ No \ 2016/2281 \ for \ Comfort \ application \ (EU) \ No \ 2016/2281 \ for \ COMfort \ application \ (EU) \ No \ 2016/2281 \ for \ COMfort \ application \ (EU) \ No \ 2016/2281 \ for \ COMfort \ application \ (EU) \ No \ 2016/2281 \ for \ COMfort \ application \ (EU) \ No \ 2016/2281 \ for \ COMfort \ application \ (EU) \ No \ 2016/2281 \ for \ COMfort \ application \ (EU) \ App$ SEPR _{-2/-8°C} Bold values compliant to Ecodesign regulation: (EU) No 2015/1095 for Process application

NA Non Authorized for the specific application for CEE market Not applicable

(1) in dB ref=10-12 W, 'A' weighted. Declared dual-number noise emission values in accordance with ISO 4871 with an associated uncertainty

of +/-3dB(A). Measured in accordance with ISO 9614-1 and certified by Eurovent.

(2) In dB ref 20µPa, 'A' weighted. Declared dual-number noise emission values in accordance with ISO 4871 with an associated uncertainty of +/-3dB(A). For information, calculated from the sound power Lw(A).

Options : 15 = Low noise, 15LS = Very Low noise, 15LS+ = Ultra Low noise

(3)



Eurovent certified values

PHYSICAL DATA, SIZES 30XBEZE 200 TO 600

30XBEZE		200	230	250	300	350	400	450	500	550	600
Operating weight ⁽⁴⁾											
Standard unit	I	3040	3071	3091	3674	3737	3798	4797	4943	5201	5514
Unit + option 15 ⁽³⁾	I	3308	3339	3359	3973	4036	4097	5128	5274	5532	5845
Compressors				06T ser	ni-herm	etic scr	ew con	npresso	r, 50 r/s	3	
Circuit A		1	1	1	1	1	1	1	1	1	1
Circuit B	,	1	1	1	1	1	1	1	1	1	1
No. of control stages											
Refrigerant ⁽⁴⁾				,	R	1234ze	(E) / A2	2L		,	
Observit A	kg	37	35	35	51	52	52	58	58	65	69
Circuit A	teqCO ₂	0,04	0,04	0,04	0,05	0,05	0,05	0,06	0,06	0,07	0,07
0' '' '' ''	kg	39	36	37	37	37	37	59	62	58	65
Circuit B	teqCO ₂	0,04	0,04	0,04	0,04	0,04	0,04	0,06	0,06	0,06	0,07
Oil									ļ.		
Circuit A	ı	20,8	20,8	20,8	23,5	23,5	23,5	23,5	23,5	27,6	27,6
Circuit B	I	20,8	20,8	20,8	20,8	20,8	20,8	23,5	23,5	23,5	23,5
Capacity control	,		S	martVu	™, Ele	ctronic	Expans	ion Val	ve (EX\	/)	
Minimum capacity	%	15	15	15	15	15	15	15	15	15	15
Air heat exchanger				Alum	inum m	icro-ch	annel c	oils (M	CHE)	,	
Fans	'		Invert	er drive	n Flyin	g Bird (TM) VI	fans wi	th AC n	notors	
Standard unit	,										
Quantity		6	6	6	8	8	8	11	12	12	12
Maximum total air flow	l/s	28920	28920	28920	38560	38560	38560	53020	57840	57840	57840
Maximum rotation speed	r/s	15,7	15,7	15,7	15,7	15,7	15,7	15,7	15,7	15,7	15,7
Unit + option 15LS											
Maximum total air flow	l/s	23580	23580	23580	31440	31440	31440	43230	47160	47160	47160
Maximum rotation speed	r/s	11,7	11,7	11,7	11,7	11,7	11,7	11,7	11,7	11,7	11,7
Water heat exchanger					Floo	ded mu	lti-tube	type		,	
Water volume	I	58	61	61	66	70	77	79	94	98	119
Max. water-side operating pressure without hydraulic module	kPa	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Water connections						Victauli	c® type				
Standard		-				Violadii	о турс				
Nominal diameter	in	5	5	5	5	5	5	5	6	6	6
Actual outside diameter	mm	141.3	141,3	_	_	_	141.3		168.3	168.3	168,3
Options 100A		, .	1 , -	, .	, .	, -	, .	, .	,.	,.	,-
Nominal diameter	in	4	4	4	4	4	4	5	5	5	5
Actual outside diameter	mm	114,3	114,3	·			114,3		141,3		141,3
Options 100C		,0		,0	,0	,0	,0	1 , 0	, •	,0	, 0
Nominal diameter	in	5	5	5	5	5	5	6	6	6	6
Actual outside diameter	mm	141,3		141,3		-	_		168,3	-	168.3
Casing paint		- 				our code			, .	, -	, .

 ⁽³⁾ Options: 15 = Low noise, 15LS = Very Low noise, 15LS+ = Ultra Low noise
 (4) Values are guidelines only. Refer to the unit name plate.

PHYSICAL DATA, SIZES 30XBEZE 630 TO 1200

30XBEZE			630	700	750	900	950	1050	1150	1200
Cooling										
Standard unit	Nominal capacity	kW	628	684	755	877	957	1025	1120	1171
Full load performances*	EER	kW/kW	3,29	3,29	3,29	3,30	3,29	3,29	3,26	3,24
Unit with option 15LS (+)	Nominal capacity	kW	613	671	737	860	935	1003	1093	1146
Full load performances*	EER	kW/kW	3,24	3,24	3,26	3,28	3,22	3,28	3,16	3,25
04	SEER 12/7°C Comfort low temp	. kWh/kWh	4,59	4,61	4,59	4,67	4,62	4,61	4,64	4,59
Standard unit	ns cool _{12/7°C}	%	181	181	180	184	182	181	183	181
Seasonal energy efficiency **	SEPR _{12/7°C} Process high temp	. kWh/kWh	5,93	6,10	5,99	5,94	5,64	6,01	5,92	5,95
Unit with Option 6 Seasonal energy efficiency **	SEPR _{-2/-8°C} Process medium temp.***	kWh/kWh	3,37	3,36	3,38	3,41	3,31	3,48	3,43	3,31
Half with Oatlan 000	SEER 12/7°C Comfort low temp	. kWh/kWh	-	-	-	-	-	-	-	-
Unit with Option 299 Seasonal energy efficiency **	ns cool _{12/7°C}	%	-	-	-	-	-	-	-	-
Seasonal energy eniciency	SEPR 12/7°C Process high temp	. kWh/kWh	-	-	-	-	-	-	-	-
Unit with Option 5 Seasonal energy efficiency **	SEPR _{12/7°C} Process high temp	. kWh/kWh	5,76	5,76	5,75	5,77	5,51	5,89	5,68	5,51
Unit with option 15LS (+)	SEER 12/7°C Comfort low temp	. kWh/kWh	4,59	4,59	4,56	4,65	4,58	4,60	4,61	4,56
Seasonal energy efficiency **	ns cool _{12/7°C}	%	180	181	179	183	180	181	182	180
	SEPR 12/7°C Process high temp	. kWh/kWh	5,97	6,15	6,19	6,29	6,04	6,12	6,06	6,00
Unit with Option 6 & 15LS (+) Seasonal energy efficiency **	SEPR _{-2/-8°C} Process medium temp.***	kWh/kWh	3,32	3,29	3,36	3,40	3,30	3,47	3,44	3,31
Unit with Option 299 & 15LS (+)	SEER _{12/7°C} Comfort low temp	. kWh/kWh	-	-	-	-	-	-	-	-
Seasonal energy efficiency **	ns cool _{12/7°C}	%	-	-	-	-	-	-	-	-
	SEPR _{12/7°C} Process high temp	. kWh/kWh	-	-	-	-	-	-	-	-
Unit with Option 5 & 15LS (+)	SEPR _{12/7°C} Process high temp	kWh/kWh	5.84	5.82	5.82	5.83	5.72	5,91	5,77	5,70
Seasonal energy efficiency **	OLI IX 12/7°C I TOCCSS IIIgii temp		0,04	0,02	0,02	0,00	0,72	0,51	0,11	0,70
Sound levels										
Standard unit										
Sound power ⁽¹⁾		dB(A)	101	104	102	103	102	104	104	104
Sound pressure at 10 m ⁽²⁾		15(1)	68	71	69	70	69	71	71	71
Sound pressure at 1 m ⁽²⁾		dB(A)	80	83	81	81	80	81	81	81
Unit + option 15 ⁽³⁾		-ID(A)	0.7	00	00	00	00	400	- 00	00
Sound power(1)		dB(A)	97 64	99 66	98 65	98	98	100	99 66	99
Sound pressure at 10 m ⁽²⁾		JD/A)				65	65	67		66
Sound pressure at 1 m ⁽²⁾ Unit + option 15LS ⁽³⁾		dB(A)	76	78	77	76	76	77	76	76
Sound power ⁽¹⁾		dB(A)	94	95	94	94	94	99	95	96
Sound pressure at 10 m ⁽²⁾		ub(A)	61	62	61	61	61	66	62	63
Sound pressure at 10 m ²		dB(A)	73	74	73	72	72	76	72	73
Unit + option 15LS+(3)		ub(A)	13	/	73	12	12	10	12	13
Sound power ⁽¹⁾		dB(A)	91	93	92	93	93	97	94	95
Sound pressure at 10 m ⁽²⁾		GD(/1)	58	60	59	60	60	64	61	62
Sound pressure at 1 m ⁽²⁾		dB(A)	70	72	71	71	71	74	71	72
Count procodio at 1 mm.		GD(/ t)	, , ,	1.2	_ , ,	_ , ,	_ , ,	, , ,		

In accordance with standard EN14511-3:2018.

In accordance with standard EN14825:2016, average climate

With EG 30%

Cooling mode conditions: Evaporator water entering/leaving temperature 12°C/7°C, outside air temperature 35°C, evaporator fooling factor 0 m².K/W CA1

ns cool_{12/7°C} & SEER _{12/7°C} Bold values compliant to Ecodesign regulation: (EU) No 2016/2281 for Comfort application SEPR _{-2/-8°C} Bold values compliant to Ecodesign regulation: (EU) No 2015/1095 for Process application SEPR -2/-8°C

Non Authorized for the specific application for CEE market

NA Not applicable

in dB ref= 10^{-12} W, 'A' weighted. Declared dual-number noise emission values in accordance with ISO 4871 with an associated uncertainty of +/-3dB(A). Measured in accordance with ISO 9614-1 and certified by Eurovent. In dB ref 20μ Pa, 'A' weighted. Declared dual-number noise emission values in accordance with ISO 4871 with an associated uncertainty (1)

(2) of +/-3dB(A). For information, calculated from the sound power Lw(A).

(3) Options: 15 = Low noise, 15LS = Very Low noise, 15LS+ = Ultra Low noise



Eurovent certified values

PHYSICAL DATA, SIZES 30XBEZE 630 TO 1200

30XBEZE		630	700	750	900	950	1050	1150	1200		
Dimensions							,				
Standard unit											
Length	mm	7186	8380	8380	10770	10770	11962	11962	13157		
Width	mm	2253	2253	2253	2253	2253	2253	2253	2253		
Height	mm	2322	2322	2322	2322	2322	2322	2322	2322		
Operating weight ⁽⁴⁾											
Standard unit	kg	5563	6168	6344	7687	7780	8660	8735	9072		
Unit + option 15 (3)	kg	5894	6499	6675	8061	8154	9034	9109	9446		
Compressors			06	T semi-he	rmetic scr	ew comp	essor, 50	r/s			
Circuit A											
Circuit B		1	1	1	1	1	1	1	1		
No. of control stages	-										
Refrigerant ⁽⁴⁾					R1234ze	(E) / A2L					
	kg	69	72	72	80	80	115	121	124		
Circuit A	teqCO ₂	0,07	0,07	0,07	0,08	0,08	0,12	0,12	0,12		
Cincuit D	kg	67	74	74	121	126	121	127	130		
Circuit B	teqCO ₂	0,07	0,07	0,07	0,12	0,13	0,12	0,13	0,13		
Oil						type					
Circuit A	I	27,6	27,6	27,6	27,6	27,6	36,0	36,0	36,0		
Circuit B	ı	23,5	27,6	27,6	36,0	36,0	36,0	36,0	36,0		
Circuit C		,	<u> </u>		,	,	,				
Circuit D	ı										
Capacity control	,		Sm	artVu™, E	lectronic	Expansio	n Valve (E	XV)			
Minimum capacity	%	15	15	15	15	15	15	15	15		
Air heat exchanger				Aluminum		annel coil	s (MCHE)			
Fans			Inverter	driven Fly	ing Bird (TM) VI fa	ns with AC	motors			
Standard unit											
Quantity	,	12	14	14	18	18	20	20	22		
Maximum total air flow	l/s	57840	67480	67480	86760	86760	96400	96400	106040		
Maximum rotation speed	r/s	15,7	15,7	15,7	15,7	15,7	15,7	15,7	15,7		
Unit + option 15LS		,	,		,	,	,	,	,		
Maximum total air flow	I/s	47160	55020	55020	70740	70740	78600	78600	86460		
Maximum rotation speed	r/s	11,7	11,7	11,7	11,7	11,7	11,7	11,7	11,7		
Water heat exchanger		,	,	FI	ooded mu	Iti-tube tv	pe	,	,		
Water volume	1	119	130	140	164	174	180	189	189		
Max. water-side operating pressure without					4000						
hydraulic module	kPa	1000	1000	1000	1000	1000	1000	1000	1000		
Water connections			*		Victauli	c® type					
Standard & option 6	,										
Nominal diameter	in	6	6	8	6	6	6	6	6		
Actual outside diameter	mm	168,3	168,3	219,1	168,3	168,3	168,3	168,3	168,3		
Options 5 & 100A											
Nominal diameter	in	5	5	6	6	6	6	6	6		
Actual outside diameter	mm	141,3	141,3	168,3	168,3	168,3	168,3	168,3	168,3		
Casing paint	,			C	olour code	e RAL 703	35				
(2) Ontions: 15 - Low point 151 S - Very Lew point 1	10a = Dy france	noling optic	- 50- 6	t recevery							

 ⁽³⁾ Options: 15 = Low noise, 15LS = Very Low noise, 118a = Dx freecooling option, 50= heat recovery.
 (4) Values are guidelines only. Refer to the unit name plate.

PHYSICAL DATA, SIZES 30XBPZE 200 TO 600

30XBPZE			200	230	250	300	350	400	450	500	550	600
Cooling												
Standard unit	Nominal capacity	kW	210	229	246	298	340	380	473	520	556	593
Full load performances*	EER	kW/kW	3,37	3,32	3,34	3,42	3,38	3,37	3,42	3,49	3,33	3,44
Unit with Option 15LS	Nominal capacity	kW	208	226	244	296	337	374	464	512	546	580
Full load performances*	EER	kW/kW	3,37	3,33	3,29	3,40	3,34	3,30	3,42	3,50	3,29	3,27
·	SEER _{12/7°C} Comfort low temp.	kWh/kWh	4,75	4,68	4,62	4,57	4,61	4,60	4,76	4,86	4,66	4,69
Standard unit	ns cool _{12/7°C}	%	187	184	182	180	182	181	188	192	183	185
Seasonal energy efficiency **	SEPR _{12/7°C} Process											
	high temp.	kWh/kWh	6,29	6,42	6,48	6,28	6,31	6,42	6,43	6,44	6,07	6,15
Unit with option 6 Seasonal energy efficiency **	SEPR _{-2/-8°C} Process medium temp.***	kWh/kWh	3,57	3,58	3,57	3,42	3,58	3,56	3,56	3,65	3,60	3,43
Unit with option 299 Seasonal energy efficiency **	SEER _{12/7°C} Comfort low temp.	kWh/kWh	4,70	4,70	4,65	4,73	4,76	4,73	-	-	-	-
٠, ,	ns cool _{12/7°C}	%	185	185	183	186	187	186	-	-	-	-
	SEPR _{12/7°C} Process high temp.	kWh/kWh	6,28	6,41	6,49	6,32	6,35	6,46	-		-	-
Unit with Option 5 Seasonal energy efficiency **	SEPR _{12/7°C} Process high temp.	kWh/kWh	6,28	6,43	6,39	6,12	6,30	6,20	6,32	6,35	6,26	5,90
Unit with option 15LS(+) Seasonal energy efficiency **	SEER _{12/7°C} Comfort low temp.	kWh/kWh	4,83	4,70	4,59	4,61	4,60	4,58	4,70	4,86	4,59	4,54
	ns cool _{12/7°C}	%	190	185	180	181	181	180	185	191	181	179
	SEPR _{12/7°C} Process high temp.	kWh/kWh	6,45	6,54	6,48	6,37	6,33	6,13	6,40	6,43	6,06	6,09
Unit with Option 6 & 15LS (+) Seasonal energy efficiency **	SEPR _{-2/-8°C} Process medium temp.***	kWh/kWh	3,56	3,58	3,57	3,42	3,57	3,54	3,55	3,65	3,60	3,42
Unit with Option 299 & 15LS (+) Seasonal energy efficiency **	SEER _{12/7°C} Comfort low temp.	kWh/kWh	4,76	4,71	4,61	4,77	4,74	4,69	-	-	-	-
couconal chargy chicans,	ns cool _{12/7°C}	%	188	185	181	188	186	185	-	-	-	-
	SEPR _{12/7°C} Process high temp.	kWh/kWh	6,44	6,46	NA	6,42	6,37	6,17	-	-	-	-
Unit with Option 5 & 15LS (+)	SEPR _{12/7°C} Process											
Seasonal energy efficiency **	high temp.	kWh/kWh	6,34	6,5	6,43	6,19	6,34	6,30	6,29	6,33	6,21	5,87
Sound levels												
Standard unit												
Sound power ⁽¹⁾		dB(A)	99	99	99	99	101	99	101	99	103	103
Sound pressure at 10 m ⁽²⁾			67	67	67	67	69	67	68	66	70	70
Sound pressure at 1 m		dB(A)	80	80	80	79	81	79	80	78	82	82
Unit + option 15 ⁽³⁾												
Sound power ⁽¹⁾		dB(A)	93	93	94	95	95	95	97	96	97	98
Sound pressure at 10 m ⁽²⁾			61	61	62	63	63	63	64	63	64	65
Sound pressure at 1 m		dB(A)	74	74	75	75	75	75	76	75	76	77
Unit + option 15LS(3)		. , ,										•
Sound power ⁽¹⁾		dB(A)	87	87	87	90	91	91	93	92	94	94
Sound pressure at 10 m ⁽²⁾			55	55	55	58	59	59	60	59	61	61
Sound pressure at 1 m		dB(A)	68	68	68	70	71	71	72	71	73	73
Unit + option 15LS+(3)												•
Sound power ⁽¹⁾		dB(A)	-	_	-	-	89	89	91	90	91	92
Sound pressure at 10 m ⁽²⁾		. ,	-	-	-	-	57	57	58	57	58	59
Sound pressure at 1 m		dB(A)	-	-	-	-	69	69	70	69	70	71
	oo with standard EN1451											

In accordance with standard EN14511-3:2018.

In accordance with standard EN14825:2016, average climate

*** With EG 30%

CA1 Cooling mode conditions: Evaporator water entering/leaving temperature 12°C/7°C, outside air temperature 35°C, evaporator fooling

ns cool_{12/7°C} & SEER _{12/7°C}Bold values compliant to Ecodesign regulation: (EU) No 2016/2281 for Comfort application SEPR _{-2/-8°C} Bold values compliant to Ecodesign regulation: (EU) No 2015/1095 for Process application
Non Authorized for the specific application for CEE market

NA

(1) in dB ref=10-12W, 'A' weighted. Declared dual-number noise emission values in accordance with ISO 4871 with an associated uncertainty

of +/-3dB(A). Measured in accordance with ISO 9614-1 and certified by Eurovent.

 $In \, dB \, ref \, 20 \mu Pa, \, 'A' \, weighted. \, Declared \, dual-number \, noise \, emission \, values \, in \, accordance \, with \, ISO \, 4871 \, with \, an \, associated \, uncertainty \, and \, accordance \, with \, acc$

of +/-3dB(A). For information, calculated from the sound power Lw(A).

Options: 15 = Low noise, 15LS = Very Low noise, 118a = Dx freecooling option, 50= heat recovery. (3)



(2)

Eurovent certified values

PHYSICAL DATA, SIZES 30XBPZE 200 TO 600

30XBPZE		200	230	250	300	350	400	450	500	550	600
Dimensions									ļ		
Standard unit											
Length	mm	3604	3604	3604	4798	4798	4798	7186	7186	7186	7186
Width	mm	2253	2253	2253	2253	2253	2253	2253	2253	2253	2253
Height	mm	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322
Operating weight ⁽⁴⁾											
Standard unit	kg	3015	3047	3066	3652	3715	3776	4761	4895	5161	5474
Unit + option 15 ⁽³⁾	kg	3283	3314	3334	3952	4014	4075	5092	5226	5492	5805
Compressors				06T ser	ni-herm	etic sci	rew con	npresso	or, 50 r/s	5	
Circuit A	ı	1	1	1	1	1	1	1	1	1	1
Circuit B		1	1	1	1	1	1	1	1	1	1
No. of control stages	I										
Refrigerant ⁽⁴⁾					R	1234ze	(E) / A2	2L			
	kg	39	37	37	52	53	55	60	61	69	69
Circuit A	teqCO ₂	0,04	0,04	0,04	0,05	0.05	0.05	0.06	0.06	0.07	0.07
	kg	40,0	38	39	40	40	36	61	64	61	67
Circuit B	teqCO ₂	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.06	0,06	0,07
Oil	104002	-,-	.,.			. , .	1 - , -			. ,	
Circuit A		20,8	20,8	20,8	23,5	23,5	23,5	23,5	23,5	27,6	27,6
Circuit B	i	20,8	20.8	20.8	20.8	20.8	20.8	23.5	23.5	23,5	23.5
Capacity control	· · · · · · · · · · · · · · · · · · ·	20,0	- , -	- , -	- , -	- , -	- , -	- , -	ve (EX\	,	20,0
Minimum capacity	%	15	15	15	15	15	15	15	15	15	15
Air heat exchanger				Alum	inum m	nicro-ch	annel	oils (M	CHE)		
Fans			Invert						th EC n	notors	
Standard unit						<u> </u>		-			
Quantity		6	6	6	8	8	8	11	12	12	12
Maximum total air flow	I/s	28920							57840		
Maximum rotation speed	r/s	15,7	15,7	15,7	15,7	15,7	15,7	15,7	15,7	15,7	15,7
Unit + option 15LS	1/3	10,7	10,7	10,7	10,7	10,1	10,7	10,7	10,1	10,1	10,7
Maximum total air flow	l/s	23580	23580	23580	31440	31440	31440	43230	47160	47160	47160
Maximum rotation speed	r/s	11,7	11,7	11,7	11,7	11,7	11,7	11,7	11,7	11,7	11,7
Water heat exchanger	1/3	11,7	11,7	11,7			ılti-tube	,	11,7	11,7	11,7
Water volume	ı	58	61	61	66	70	77	79	94	98	119
	I	36	01	01	00	70	11	19	94	90	119
Max. water-side operating pressure without hydraulic module	kPa	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Water connections					ļ	Victaul	ic® type		L		L
Standard & option 6						Victaui	ic- type				
Nominal diameter	in	5	5	5	5	5	5	5	6	6	6
Actual outside diameter	mm	141.3	-		_	_	_	-	168,3	168,3	
Options 5 & 100A		1	1	1 , 0	1 , 0	1 , 0	,,0	1	1.00,0	100,0	100,0
Nominal diameter	in	4	4	4	4	4	4	5	5	5	5
Actual outside diameter	mm	114,3	114,3	114,3	114,3	114,3	114,3	_	_		141,3
Casing paint							e RAL				
(3) Options: 15 - Low poise 15LS - Very Low poise 1183 - F	ov freecooling	antion	E0= boo								

 ⁽³⁾ Options: 15 = Low noise, 15LS = Very Low noise, 118a = Dx freecooling option, 50= heat recovery.
 (4) Values are guidelines only. Refer to the unit name plate.

PHYSICAL DATA, SIZES 30XBPZE 0630 TO 1200

30XBPZE			630	700	750	900	950	1050	1150	1200
Ocalian										
Cooling				,						
Standard unit CA1	Nominal capacity	kW	637	685	763	880	968	1026	1120	1173
Full load performances*	EER	kW/kW	3,44	3,35	3,43	3,39	3,42	3,35	3,31	3,34
Unit with Option 15LS (+)	Nominal capacity	kW	623	671	748	864	949	1002	1093	1145
Full load performances*	EER	kW/kW	3,43	3,27	3,44	3,40	3,42	3,31	3,18	3,26
	SEER _{12/7°C} Comfort low temp.	kWh/kWh	4,75	4,70	4,79	4,79	4,79	4,69	4,66	4,65
Standard unit	ns cool _{12/7°C}	%	187	185	189	189	189	185	183	183
Seasonal energy efficiency **	SEPR _{12/7°C} Process	1-34/1- /1-34/1-	0.00	0.45	0.07	0.00	F 70	0.07	F 00	0.07
	high temp.	kWh/kWh	6,03	6,15	6,07	6,00	5,73	6,07	5,99	6,07
Unit with option 6 Seasonal energy efficiency **	SEPR _{-2/-8°C} Process medium temp.***	kWh/kWh	3,43	3,41	3,45	3,47	3,37	3,53	3,49	3,36
Unit with option 299 Seasonal energy efficiency **	SEER _{12/7°C} Comfort low temp.	kWh/kWh	-	-	-	-	-	-	-	-
	ŋs cool _{12/7°C}	%	-	-	-	-	-	-	-	-
	SEPR _{12/7°C} Process high temp.	kWh/kWh	-	-	-	-	-	-	-	-
Unit with Option 5 Seasonal energy efficiency **	SEPR _{12/7°C} Process high temp.	kWh/kWh	5,84	5,84	5,82	5,86	5,61	5,99	5,76	5,65
Unit with option 15LS(+) Seasonal energy efficiency **	SEER _{12/7°C} Comfort low temp.	kWh/kWh	4,70	4,57	4,69	4,70	4,71	4,67	4,60	4,61
	ŋs cool _{12/7°C}	%	185	180	185	185	185	184	181	181
	SEPR _{12/7°C} Process high temp.	kWh/kWh	6,00	6,13	6,00	5,96	5,72	6,05	5,93	5,95
Unit with Option 6 & 15LS (+) Seasonal energy efficiency **	SEPR _{-2/-8°C} Process medium temp.***	kWh/kWh	3,41	3,37	3,44	3,46	3,36	3,51	3,46	3,34
Unit with Option 299 & 15LS (+) Seasonal energy efficiency **	SEER _{12/7°C} Comfort low temp.	kWh/kWh	-	-	-	-	-	-	-	-
ecaconal energy emolency	ns cool _{12/7°C}	%	-	-	-	-	-	-	-	-
	SEPR _{12/7°C} Process high temp.	kWh/kWh	-	-	-	-	-	-	-	-
Unit with Option 5 & 15LS (+)	SEPR _{12/7°C} Process									
Seasonal energy efficiency **	high temp.	kWh/kWh	5,84	5,83	5,76	5,83	5,55	5,96	5,73	5,58
Sound levels	g p.									
Standard unit										
Sound power ⁽¹⁾		dB(A)	101	104	102	103	102	104	104	104
Sound pressure at 10 m ⁽²⁾		<u> </u>	68	71	69	70	69	71	71	71
Sound pressure at 1 m		dB(A)	80	83	80	80	79	81	81	81
Unit + option 15 ⁽³⁾		<u> </u>							<u> </u>	<u> </u>
Sound power ⁽¹⁾		dB(A)	97	99	98	98	98	100	99	99
Sound pressure at 10 m ⁽²⁾		(* ')	64	66	65	65	65	67	66	66
Sound pressure at 1 m		dB(A)	76	78	76	75	75	77	76	76
Unit + option 15LS(3)		45(/ t)				0				
Sound power ⁽¹⁾		dB(A)	94	95	94	94	94	99	95	96
Sound pressure at 10 m ⁽²⁾		GD(A)	61	62	61	61	61	66	62	63
Sound pressure at 1 m		dB(A)	73	74	72	71	71	76	72	73
Unit + option 15LS+(3)		αD(Λ)	10	, 4	12	11	11	10	12	13
Sound power ⁽¹⁾		dB(A)	91	92	92	93	93	97	94	95
Sound pressure at 10 m ⁽²⁾		αD(Λ)	58	59	59	60	60	64	61	62
Sound pressure at 1 m		dB(A)	70	71	70	70	70	74	71	72
Sound procedure at 1111	e with standard FN114511		, 0	, , ,	, , ,	, , ,	, , 0	, , ,		12

In accordance with standard EN14511-3:2018.

In accordance with standard EN14825:2016, average climate

*** With EG 30%

CA1 Cooling mode conditions: Evaporator water entering/leaving temperature 12°C/7°C, outside air temperature 35°C, evaporator fooling

ns cool_{12/7°C} & SEER _{12/7°C}Bold values compliant to Ecodesign regulation: (EU) No 2016/2281 for Comfort application

SEPR _{-2/-8°C} Bold values compliant to Ecodesign regulation: (EU) No 2015/1095 for Process application
Non Authorized for the specific application for CEE market

NA

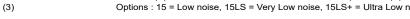
(1) In dB ref=10-12 W, 'A' weighted. Declared dual-number noise emission values in accordance with ISO 4871 with an associated uncertainty

of +/-3dB(A). Measured in accordance with ISO 9614-1 and certified by Eurovent.

In dB ref 20µPa, 'A' weighted. Declared dual-number noise emission values in accordance with ISO 4871 with an associated uncertainty

of +/-3dB(A). For information, calculated from the sound power Lw(A).

Options: 15 = Low noise, 15LS = Very Low noise, 15LS+ = Ultra Low noise





(2)

Eurovent certified values

PHYSICAL DATA, SIZES 30XBPZE 0630 TO 1200

Maximum rotation speed r/s 15,7	30XBPZE		630	700	750	900	950	1050	1150	1200
Might mm mm mm mm mm mm mm	Dimensions									
Midth										
Midth	Length	mm	8380	8380	9574	11962	11962	11962	11962	13157
Standard unit		mm	2253	2253	2253	2253	2253	2253	2253	2253
Standard unit	Height	mm	2322	2322	2322	2322	2322	2322	2322	2322
Variable Variabl	Operating weight ⁽⁴⁾									
Circuit A	Standard unit	kg	5841	6114	6607	7867	7993	8622	8697	9000
Circuit A	Unit + option 15 ⁽³⁾	kg	6172	6445	6938	8241	8367	8996	9071	9374
No. of control stages	Compressors			06T	semi-her	metic sci	ew comp	ressor, 5	0 r/s	
No. of control stages	Circuit A	I	1	1	1	1	1	1	1	1
Refrigerant(4) kg 75 72 79 82 84 115 121 124 1	Circuit B		1	1	1	1	1	1	1	1
Kg 75 72 79 82 84 115 121 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 121 121 121 121 121 121 121 121 121 121 121 121 121 121 121 121 127 130 Circuit B 46 67 74 83 118 130 121 127 130 Circuit A 1 27,6 27,6 27,6 27,6 36,0	No. of control stages	I								
Circuit A teqCO₂ 0,08 0,07 0,08 0,08 0,12 0,12 0,12 0,12 0,12 0,12 0,12 0,12 0,12 0,12 0,13	Refrigerant ⁽⁴⁾					R1234ze	(E) / A2L			,
Circuit B teqCO₂ kg 0,08 kg 0,07 kg 0,08 kg 0,08 kg 0,12 kg 0,12 kg 0,12 kg 0,12 kg 0,12 kg 0,13 kg 130 kg 121 kg 127 kg 130 kg 121 kg 130 kg 121 kg 130 kg 121 kg 130 kg 121 kg 130 kg 0,13 kg 121 kg 130 kg 0,13 kg 121 kg 130 kg 0,13 kg 1,1 kg 1,1 kg 1,1 kg 1,1 kg 1,1 kg	Observation A	kg	75	72	79	82	84	115	121	124
Kg 67 74 83 118 130 121 127 130 Oir Circuit A I 27,6 27,6 27,6 27,6 27,6 36,0 36,0 36,0 Circuit B I 23,5 27,6 27,6 27,6 27,6 36,0 36,0 36,0 36,0 Capacity control SmartVut™, Electronic Expansion Valve (EXV) Minimum capacity % 15	Circuit A	tegCO ₂	0,08	0,07	0,08	0,08	0,08	0,12	0,12	0,12
TeqCO ₂ 0,07 0,08 0,12 0,13 0,12 0,13 0,14 0,	O: 4 P		67	74	83	118	130	121	127	130
Circuit A I 27,6 27,6 27,6 27,6 27,6 36,0	Circuit B		0,07	0,07	0,08	0,12	0,13	0,12	0,13	0,13
Circuit B I 23,5 27,6 27,6 36,0	Oil							ı		
Capacity control SmartVu™, Electronic Expansion Valve (EXV) Minimum capacity % 15 </td <td>Circuit A</td> <td>1</td> <td>27,6</td> <td>27,6</td> <td>27,6</td> <td>27,6</td> <td>27,6</td> <td>36,0</td> <td>36,0</td> <td>36,0</td>	Circuit A	1	27,6	27,6	27,6	27,6	27,6	36,0	36,0	36,0
Minimum capacity % 15 16 10	Circuit B		23,5	27,6	27,6	36,0	36,0	36,0	36,0	36,0
Air heat exchanger	Capacity control			Smar	tVu™, El	ectronic	Expansio	n Valve (EXV)	
Standard unit	Minimum capacity	%	15	15	15	15	15	15	15	15
Standard unit Quantity 14 14 16 19 20 20 20 22	Air heat exchanger			Α	luminum	micro-ch	annel co	ils (MCHI	E)	
Quantity 14 14 16 19 20 20 20 22 Maximum total air flow I/s 67480 67480 77120 91580 96400 96400 106040 Maximum rotation speed r/s 15,7 11,7 11,7 11,7 11,7 11,7 11,7 11,7 11,7 11,7 11,7 11,7 <	Fans		I	nverter d	riven Flyi	ng Bird (TM) VI fa	ns with E	C motor	s
Maximum total air flow I/s 67480 67480 77120 91580 96400 96400 96400 106040 Maximum rotation speed r/s 15,7 11,7 11,7 11,	Standard unit									
Maximum rotation speed r/s 15,7	Quantity		14	14	16	19	20	20	20	22
Unit + option 15LS Maximum total air flow I/s 55020 55020 62880 74670 78600 78600 86460 Maximum rotation speed r/s 11,7	Maximum total air flow	l/s	67480	67480	77120	91580	96400	96400	96400	106040
Maximum total air flow I/s 55020 55020 62880 74670 78600 78600 78600 86460 Maximum rotation speed r/s 11,7	Maximum rotation speed	r/s	15,7	15,7	15,7	15,7	15,7	15,7	15,7	15,7
Maximum rotation speed r/s 11,7 11,0 180 <tr< td=""><td>Unit + option 15LS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>l .</td></tr<>	Unit + option 15LS									l .
Water heat exchanger Flooded multi-pipe type Water volume I 119 130 140 164 174 180 189 189 Max. water-side operating pressure without hydraulic module kPa 1000	Maximum total air flow	l/s	55020	55020	62880	74670	78600	78600	78600	86460
Water volume I 119 130 140 164 174 180 189 189 Max. water-side operating pressure without hydraulic module kPa 1000	Maximum rotation speed	r/s	11,7	11,7	11,7	11,7	11,7	11,7	11,7	11,7
Max. water-side operating pressure without hydraulic module kPa 1000	Water heat exchanger				Flo	oded mu	ilti-pipe ty	/ре		
Water connections Victaulic® type Standard & option 6 In 6 6 8 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Water volume	1	119	130	140	164	174	180	189	189
Module Victaulic® type Standard & option 6 Victaulic® type Nominal diameter in 6 6 8 6 6 6 6 Actual outside diameter mm 168.3 168.3 219.1 168.3	Max. water-side operating pressure without hydraulic	l/Do	1000	1000	1000	1000	1000	1000	1000	1000
Standard & option 6 In 6 6 8 6 6 6 6 Nominal diameter In 6 6 8 6 6 6 6 Actual outside diameter In 168.3<	module	KFa	1000	1000	1000			1000	1000	1000
Nominal diameter in 6 6 8 6 6 6 6 Actual outside diameter mm 168.3 168.3 219.1 168.3 <td>Water connections</td> <td></td> <td></td> <td></td> <td></td> <td>Victaul</td> <td>c® type</td> <td></td> <td></td> <td></td>	Water connections					Victaul	c® type			
Actual outside diameter mm 168.3 168.3 219.1 168.3 </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td>					1					
Options 5 & 100A In 5 5 6 6 6 6 6 6 Actual outside diameter mm 141.3 141.3 168.3							_		-	-
Nominal diameter in 5 5 6 6 6 6 6 Actual outside diameter mm 141.3 141.3 168.3 168.3 168.3 168.3 168.3 168.3		mm	168.3	168.3	219.1	168.3	168.3	168.3	168.3	168.3
Actual outside diameter mm 141.3 141.3 168.3 168.3 168.3 168.3 168.3 168.3 168.3	•		_			•			_	
				_			-	_	-	-
	Casing paint	rnm	141.3	141.3					108.3	108.3

 ⁽³⁾ Options: 15 = Low noise, 15LS = Very Low noise, 15LS+ = Ultra Low noise
 (4) Values are guidelines only. Refer to the unit name plate.

ELECTRICAL DATA, 30XBEZE 200 TO 750

30XBEZE		200	230	250	300	350	400	450	500	550	600	630	700	750
Power circuit supply														
Nominal voltage	V-ph-Hz						4	00-3-5	0					
Voltage range	V						3	60-44	0					
Control circuit supply						24 V	′ via int	ernal t	ransfo	rmer				
Maximum operating input power (1)														
Standard unit	kW	97	105	112	142	160	174	224	239	257	270	281	305	327
Unit + option 15LS	kW	92	99	107	135	153	167	214	229	246	260	271	293	315
Power factor at maximum power (1)														
Standard unit														
Displacement Power Factor (Cos Phi)		0,90	0,90	0,89	0,90	0,90	0,90	0,90	0,90	0,89	0,89	0,90	0,88	0,89
Unit + option 15LS														
Displacement Power Factor (Cos Phi)		0,90	0,90	0,89	0,89	0,90	0,88	0,89	0,90	0,89	0,89	0,89	0,89	0,89
Nominal operating current draw (2)														
Standard unit	Α	116	125	134	161	181	198	248	268	288	304	314	347	367
Unit + option 15LS	Α	107	116	125	149	169	185	231	249	269	286	296	326	345
Maximum operating current draw (Un) (1)														
Standard unit	Α	155	169	182	227	258	280	359	384	417	439	454	500	530
Unit + option 15LS	Α	147	160	173	216	247	269	343	367	400	422	437	480	510
Maximum current (Un-10%) (1)														
Standard unit	Α	166	181	195	244	277	300	385	412	447	471	488	537	569
Unit + option 15LS	Α	158	172	187	232	265	289	369	395	430	454	471	517	549
Nominal start-up current (3)														
Standard unit	Α	227	227	236	360	454	454	501	521	700	717	717	759	769
Unit + option 15LS	Α	223	223	232	356	450	450	494	512	693	710	710	749	759
Unit + option 25C	Α	184	180	189	317	407	407	392	412	605	612	612	628	642
Maximum start-up current(Un) (2)														
Standard unit	Α	248	261	261	381	479	479	581	580	754	776	776	837	852
Unit + option 15LS	Α	244	257	257	377	475	475	574	572	747	769	769	827	842
Unit + option 25C	Α	205	214	214	338	432	432	472	472	659	671	671	706	725

Values obtained at unit continuous maximum operating conditions (data given on the unit nameplate)
 Operating current of the smallest compressor(s) + fan current + locked rotor current or reduced start-up current of the largest compressor.
 Standardised EUROVENT conditions, water-cooled exchanger water inlet/outlet = 12°C/7°C, outdoor air temperature = 35°C.

ELECTRICAL DATA, 30XBEZE 0900 TO 1200

Power circuit supply Nominal voltage Voltage range Control circuit supply		900	950	1050	1150	1200	
Nominal voltage Voltage range							
Voltage range							
	V-ph-Hz			400-3-50			
Control circuit supply	V	360-440					
		24 V via internal transformer					
Maximum operating input power ⁽¹⁾ - 30XBEZE							
Standard unit			ı	ı			
Circuit 1 ^(a)	kW	154	163	224	245	262	
Circuit 2(a)	kW	246	262	244	260	262	
Option 081	kW	399	426	468	505	524	
Unit + option 15LS							
Circuit 1(a)	kW	147	157	215	236	253	
Circuit 2(a)	kW	236	253	235	252	253	
Option 081	kW	383	410	450	487	505	
Power factor at maximum power (1) - 30XBEZE							
Standard unit							
Displacement Power Factor (Cos Phi)		0,89	0,89	0,89	0,89	0,89	
Unit + option 15LS				1 6 5			
Displacement Power Factor (Cos Phi)		0,89	0,89	0,89	0,89	0,89	
Nominal operating current draw ⁽²⁾ - 30XBEZE							
Standard unit			ı	ı			
Circuit 1 ^(a)	Α	174	184	250	267	292	
Circuit 2 ^(a)	Α	270	292	267	288	292	
Option 081	A	444	475	516	555	583	
Unit + option 15LS							
Circuit 1 ^(a)	Α	163	173	235	252	275	
Circuit 2 ^(a)	Α	253	275	252	273	275	
Option 081	A	416	447	486	524	549	
Maximum operating current draw (Un) ⁽¹⁾ - 30XBEZE							
Standard unit			ı	ı			
Circuit 1 ^(a)	Α	250	265	365	397	425	
Circuit 2 ^(a)	Α	400	425	397	422	425	
Option 081	Α	650	690	762	819	850	
Unit + option 15LS							
Circuit 1 ^(a)	Α	240	255	351	383	410	
Circuit 2 ^(a)	Α	384	410	383	408	410	
Option 081	Α	624	665	733	790	819	
Maximum current (Un-10%)(1) - 30XBEZE							
Standard unit							
Circuit 1 ^(a)	Α	269	285	392	426	457	
Circuit 2 ^(a)	Α	429	457	426	454	457	
Option 081	Α	697	741	818	879	913	
Unit + option 15LS							
Circuit 1 ^(a)	Α	259	275	378	412	441	
Circuit 2 ^(a)	Α	414	441	412	440	441	
Option 081	Α	672	716	790	851	882	
Nominal start-up current (3) - 30XBEZE							
Circuit 1 ^(a)	Α	587	587	629	629	629	
Circuit 2 ^(a)	Α	629	629	629	629	629	
Option 081	Α	854	876	893	915	918	
Option 081 & Opt 25c	Α	629	640	672	683	683	
Maximum start-up current(Un)(2) - 30XBEZE							
Circuit 1(a)	Α	587	587	629	629	629	
Circuit 2 ^(a)	Α	629	629	629	629	629	
Option 081	Α	987	1012	1026	1051	1054	
Option 081 & Opt 25c	Α	761	776	804	819	818	

Values obtained at unit continuous maximum operating conditions (data given on the unit nameplate)
 Operating current of the smallest compressor(s) + fan current + locked rotor current or reduced start-up current of the largest compressor.
 Standardised EUROVENT conditions, water-cooled exchanger water inlet/outlet = 12°C/7°C, outdoor air temperature = 35°C.
 When the machines are equipped with two power supplies, circuit 1 supplies the refrigerant circuit A and circuit 2 supplies the refrigerant circuit B.

ELECTRICAL DATA, 30XBPZE 200 TO 750

30XBPZE	200	230	250	300	350	400	450	500	550	600	630	700	750
Power circuit supply													
Nominal voltage V-ph	-	400-3-50											
Voltage range V							360-440)					
Control circuit supply		24 V via internal transformer											
Maximum operating input power (1)													
Standard unit kW	96	103	111	140	158	172	222	237	255	268	282	302	328
Unit + option 15LS kW	94	101	109	138	156	170	218	233	250	264	278	298	323
Power factor at maximum power (1)													
Standard unit													
Displacement Power Factor (Cos Phi)	0,90	0,89	0,89	0,90	0,89	0,89	0,90	0,90	0,89	0,89	0,89	0,88	0,89
Unit + option 15LS													
Displacement Power Factor (Cos Phi)	0,90	0,89	0,89	0,90	0,89	0,89	0,90	0,90	0,89	0,89	0,89	0,88	0,89
Nominal operating current draw (2)													
Standard unit A	113	122	131	158	177	194	243	262	282	299	314	341	366
Unit + option 15LS A	110	119	128	154	173	190	237	256	276	293	307	334	358
Maximum operating current draw (Un) (1)													
Standard unit A	154	167	181	226	256	278	357	382	415	437	457	497	533
Unit + option 15LS A	151	164	178	222	252	274	351	375	408	430	450	490	525
Maximum current (Un-10%) (1)													
Standard unit A	165	180	194	242	275	299	383	409	445	469	491	534	572
Unit + option 15LS A	162	176	191	238	271	295	377	403	439	463	483	527	564
Nominal start-up current (3)													
Standard unit A	227	227	236	360	454	454	500	519	699	716	718	758	770
Unit + option 15LS A	225	225	234	358	452	452	498	516	697	713	715	754	766
Unit + option 25C A	184	180	189	317	407	407	392	411	604	611	614	626	643
Maximum start-up current(Un) (2)												,	
Standard unit A	247	261	261	380	479	479	580	579	753	775	778	836	854
Unit + option 15LS A	246	259	259	379	477	477	577	576	751	773	775	832	850
Unit + option 25C A	204	213	213	337	431	431	471	470	658	670	673	705	727

Values obtained at unit continuous maximum operating conditions (data given on the unit nameplate)
 Operating current of the smallest compressor(s) + fan current + locked rotor current or reduced start-up current of the largest compressor.
 Standardised EUROVENT conditions, water-cooled exchanger water inlet/outlet = 12°C/7°C, outdoor air temperature = 35°C.

ELECTRICAL DATA, 30XBPZE 900 TO 1200

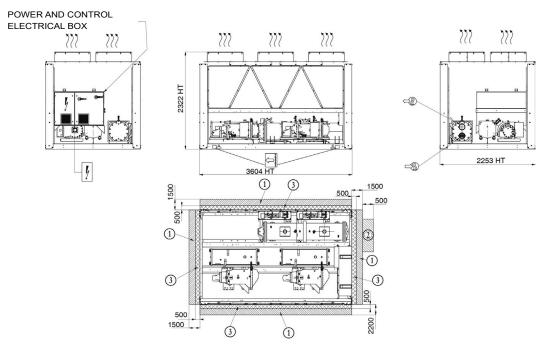
30XBPZE		200	600	630	700	750		
Power circuit supply								
Nominal voltage	V-ph-Hz			400-3-50				
Voltage range	·V	360-440						
Control circuit supply		24 V via internal transformer						
Maximum operating input power (1)								
Standard unit	kW							
Circuit 1 (a)	kW	154	164	222	243	260		
Circuit 2 (a)	kW	244	262	242	258	260		
Option 081	kW	397	425	464	501	520		
Unit + option 15LS								
Circuit 1 (a)	kW	151	162	219	240	256		
Circuit 2 (a)	kW	240	258	239	255	256		
Option 081	kW	391	419	457	494	513		
Power factor at maximum power (1)								
Standard unit								
Displacement Power Factor (Cos Phi)		0,88	0,89	0,88	0,89	0,89		
Unit + option 15LS								
Displacement Power Factor (Cos Phi)		0,88	0,89	0,88	0,89	0,89		
Nominal operating current draw (2) - 30XBEZE								
Standard unit								
Circuit 1 (a)	A	173	183	245	263	287		
Circuit 2 (a)	Α	265	289	263	284	287		
Option 081	A	438	472	507	546	573		
Unit + option 15LS			1					
Circuit 1 (a)	A	169	179	240	257	281		
Circuit 2 (a)	A	260	283	257	279	281		
Option 081	A	428	462	497	536	561		
Maximum operating current draw (Un) (1) Standard unit								
Circuit 1 (a)	А	252	267	363	395	423		
Circuit 2 (a)	A	398	426	395	420	423		
Option 081	A	649	692	758	815	846		
Unit + option 15LS	^	049	092	130	013	040		
Circuit 1 (a)	Α	247	263	358	390	417		
Circuit 2 (a)	A	392	420	390	415	417		
Option 081	A	639	682	747	804	834		
Maximum current (Un-10%) (1)		- 000	002	, , , ,	004	004		
Standard unit								
Circuit 1 (a)	Α	270	286	390	424	454		
Circuit 2 (a)	A	427	457	424	452	454		
Option 081	A	697	743	814	876	908		
Unit + option 15LS								
Circuit 1 (a)	Α	266	282	385	419	449		
Circuit 2 (a)	Α	421	451	419	447	449		
Option 081	Α	687	733	804	865	897		
Nominal start-up current (3)								
Circuit 1 (a)	А	587	587	629	629	629		
Circuit 2 (a)	А	629	629	629	629	629		
Option 081	А	852	876	892	913	916		
Option 081 & Opt 25c	A	627	640	670	681	680		
Maximum start-up current(Un) (2)								
Circuit 1 (a)	Α	587	587	629	629	629		
Circuit 2 (a)	Α	629	629	629	629	629		
Option 081	A	985	1013	1024	1049	1052		
Option 081 & Opt 25c	Α	759	777	802	817	816		

Values obtained at unit continuous maximum operating conditions (data given on the unit nameplate)
 Operating current of the smallest compressor(s) + fan current + locked rotor current or reduced start-up current of the largest compressor.
 Standardised EUROVENT conditions, water-cooled exchanger water inlet/outlet = 12°C/7°C, outdoor air temperature = 35°C.

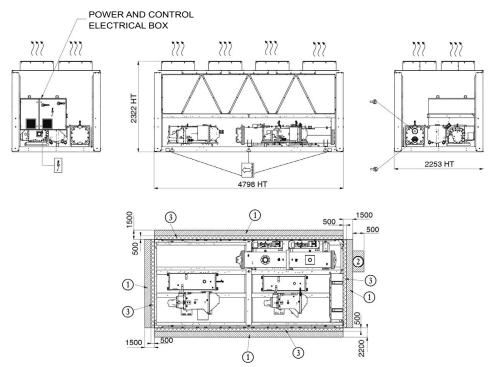
⁽a) When the machines are equipped with two power supplies, circuit 1 supplies the refrigerant circuit A and circuit 2 supplies the refrigerant circuit B.

DIMENSIONS / CLEARANCES

30XB(P)ZE 0200 to 250



30XB(P)ZE 0300 to 400



Legend

All dimensions are given in mm.

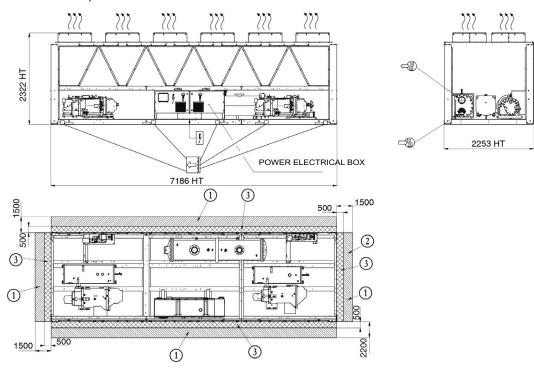
- Required clearances for maintenance (see note)
- (2) Recommended space for evaporator tube removal
- 3 ATEX zone around the unit
- Water inlet for standard unit for options 100A, 100C, 107 refer to the certified drawing certified drawing.
- Water outlet for standard unit for options 100A, 100C, 107 refer to the certified drawing.
- 4 Power supply and control connection

9 Slinging points

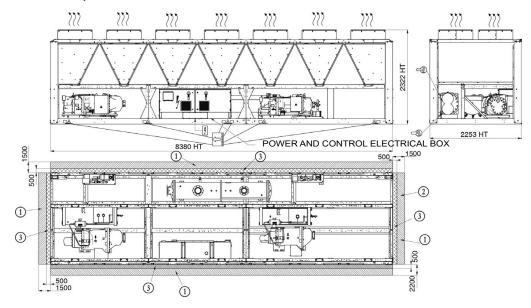
NOTES:

- Drawings are not contractually binding.
- Refer to unit nameplate for unit weight information
- Before designing an installation, consult the certified dimensional drawings, provided with the unit (Appedix 4).
- If the installation includes several units or if this (these) is (are) close to walls, please refer to chapters 3.7 -"Multiple chiller installation" and 3.8 - "Distance to the wall" of the installation manual to determine the space required

30XBEZE 0450 to 630, 30XBPZE 0450 to 0600



30XBEZE 0700 & 750, 30XBPZE 0630 & 700



Legend

All dimensions are given in mm.

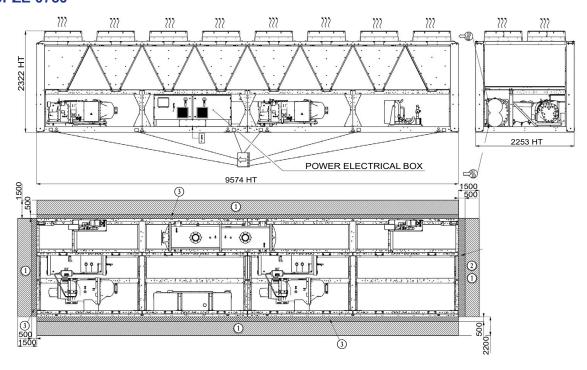
- 1 Required clearances for maintenance (see note)
- (2) Recommended space for evaporator tube removal
- 3 ATEX zone around the unit
- Water inlet for standard unit for options 100A, 100C, 107 refer to the certified drawing.
- Water outlet for standard unit for options 100A, 100C, 107 refer to the certified drawing.
- $\rangle\rangle\rangle$ Air outlet do not obstruct
- Power supply and control connection
- Slinging points

NOTES:

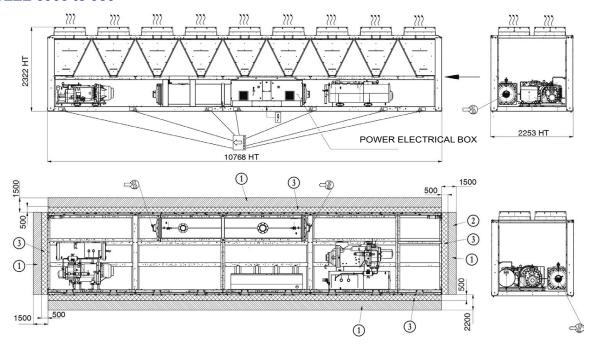
- Drawings are not contractually binding.
- Refer to unit nameplate for unit weight information
- Before designing an installation, consult the certified dimensional drawings, provided with the unit (Appedix 4).
- If the installation includes several units or if this (these) is (are) close to walls, please refer to chapters 3.7 "Multiple chiller installation" and 3.8 "Distance to the wall" of the installation manual to determine the space required

DIMENSIONS / CLEARANCES

30XBPZE 0750



30XBEZE 0900 to 950



Legend

All dimensions are given in mm.

- Required clearances for maintenance (see note)
- 2 Recommended space for evaporator tube removal
- 3 ATEX zone around the unit
- Water inlet for standard unit for options 100A, 100C, 107 refer to the
- certified drawing.

 Water outlet for standard unit for options 100A, 100C, 107 refer to the certified drawing.
- $\rangle\rangle\rangle$ Air outlet do not obstruct
- 4 Power supply and control connection

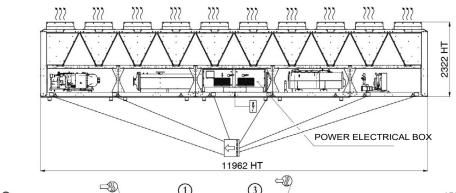
9 Slinging points

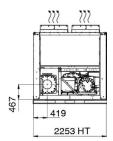
NOTES:

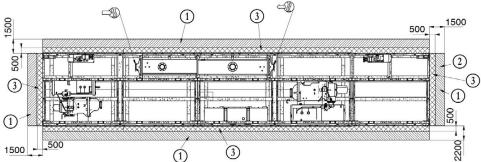
- Drawings are not contractually binding.
- Refer to unit nameplate for unit weight information
- Before designing an installation, consult the certified dimensional drawings, provided with the unit (Appedix 4).
- If the installation includes several units or if this (these) is (are) close to walls, please refer to chapters 3.7 -"Multiple chiller installation" and 3.8 - "Distance to the wall" of the installation manual to determine the space required

DIMENSIONS / CLEARANCES

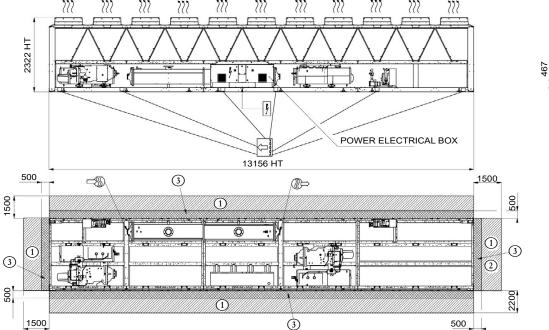
30XBEZE 1050 & 1150, 30XBPZE 0900 to 1150

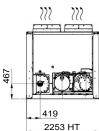






30XB(E/P)ZE 1200





Legend

1500

All dimensions are given in mm.

- Required clearances for maintenance (see note)
- (2) Recommended space for evaporator tube removal
- (3) ATEX zone around the unit
- Water inlet for standard unit for options 100A, 100C, 107 refer to the certified drawing.
- Water outlet for standard unit for options 100A, 100C, 107 refer to the certified drawing.
- Power supply and control connection

Slinging points

NOTES:

- Drawings are not contractually binding.

500

- Refer to unit nameplate for unit weight information
- Before designing an installation, consult the certified dimensional drawings, provided with the unit (Appedix 4).
- If the installation includes several units or if this (these) is (are) close to walls, please refer to chapters 3.7 -"Multiple chiller installation" and 3.8 - "Distance to the wall" of the installation manual to determine the space required