

Data Book

NX-N-G06 0604T - 1204T_201911_EN R454B
ELCA_Engine ver.4.3.1.0



NX-N-G06 0604T - 1204T

142-322 kW

Reversible unit, air source for outdoor installation



R R454B

SCROLL

T SHELL & TUBES



(The photo of the unit is indicative and may vary depending on the model)

- LOW GWP REFRIGERANT
- WIDE OPERATING LIMITS
- ELECTRONIC EXPANSION VALVE
- CLASS A EFFICIENCY
- EXCHANGER
- INTEGRATED HYDRONIC GROUP
- TWO SOUND EMISSION LEVELS

CERTIFICATIONS

Product certifications



Voluntary product certifications

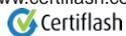


Check ongoing validity of certificate:

www.eurovent-certification.com

or

www.certiflash.com



System certifications



MITSUBISHI ELECTRIC HYDRONICS & IT COOLING SYSTEMS S.p.A.

Quality System complying with the requirements of UNI EN ISO 9001:2008 regulation
Environmental Management System complying with the requirements of UNI EN ISO 14001:2004 regulation
Occupational Health and Safety Management System complying with the requirements of BS OHSAS 18001:2007

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The units highlighted in this publication contain R454B [GWP₁₀₀ 466] fluorinated greenhouse gases.

LEGEND

NX-N-G06 0604T - 1204T

Functions



Cooling

Heating

Refrigerant



R454B

Compressors



Scroll compressor

Fan



Axial fan

Exchangers



Shell & Tubes

Other features right position



Energy Class A

Other features



Eurovent

1.1 PRODUCT PRESENTATION

GREEN CERTIFICATION RELEVANT

Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., as a major player in the world HVAC market and a leading manufacturer of energy efficient, sustainable HVAC solutions, recognizes and supports the diffusion of green certification systems, as an effective way to deliver high performance buildings and improve the quality and the sustainability of the built environment.

Since the first certification system was introduced at the beginning of the 1990s, the demand for certified buildings has grown considerably, as well as the number of standards, rating and certification programs. Operating worldwide Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., has extensive experience with many of them and is active member of Green Building Council Italy.

Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., commitment to develop responsible and sustainable HVAC solutions, is reflected by a full range of premium efficiency products and systems, designed with special care to improve building energy performance ratings, according to major certification protocols, including LEED, BREAM, GREENSTAR, BCA, NABERS, DNGB, HQE and BEAM.

To find out more about how our products contribute to enhanced green certification rating and energy performance of a building, please refer to:

<https://www.melcohit.com/GLOBAL/Company/Green-Certifications/QR%20code/>



PRODUCT PRESENTATION

Outdoor reversible unit for the production of chilled/hot water with hermetic rotary Scroll compressors, low-GWP and ozone-friendly refrigerant R454B, axial-flow fans, copper tubes aluminum fins air coils, shell and tubes heat exchanger, and thermostatic or electronic expansion valve, according to the model. External panels in pre-clad sheet steel and base in galvanised steel with paint finish. The range is composed by units equipped with four compressors in tandem configuration on two independent refrigerant circuits.

1.3 LOW GWP REFRIGERANT

The new generation refrigerant R454B is the most eco-sustainable alternative to traditional refrigerant R410A, offering a 76% reduction in terms of GWP (Global Warming Potential GWP of R454B = 466, GWP of R410A = 1924 as per IPCC rev. 5th) and zero impact on the ozone layer.

1.4 WIDE OPERATING LIMITS

These units are operative at full load in heat pump mode down to -15°C of outdoor air temperature, and up to 46°C in chiller mode without needing additional options. At -15°C of outdoor air temperature, these heat pumps are able to produce hot water up to 42°C at full load.

1.5 ELECTRONIC EXPANSION VALVE

The use of the electronic expansion valve generates considerable benefits, especially in cases of variable demand and different external conditions. It has been introduced into these units as a result of accurate design choices concerning the cooling circuit and the optimisation of operation in various different working conditions. The electronic expansion valve comes standard in the high-efficiency CA version.

1.6 CLASS A EFFICIENCY

The full range is also available with the Class A efficiency rating (in heating). CA version guarantees within all the noise configurations premium levels of efficiency thanks to the generous sizing of the refrigerant-exchange surface areas and to an accurate control of the fans.

1.7 EXCHANGER

The shell and tube exchanger allows to achieve the highest flexibility on the unit's installation, keeping on the hydronic side the pressure drops at the minimum level, thus representing the best choice for all the hydronic applications on the residential, commercial and industrial markets.

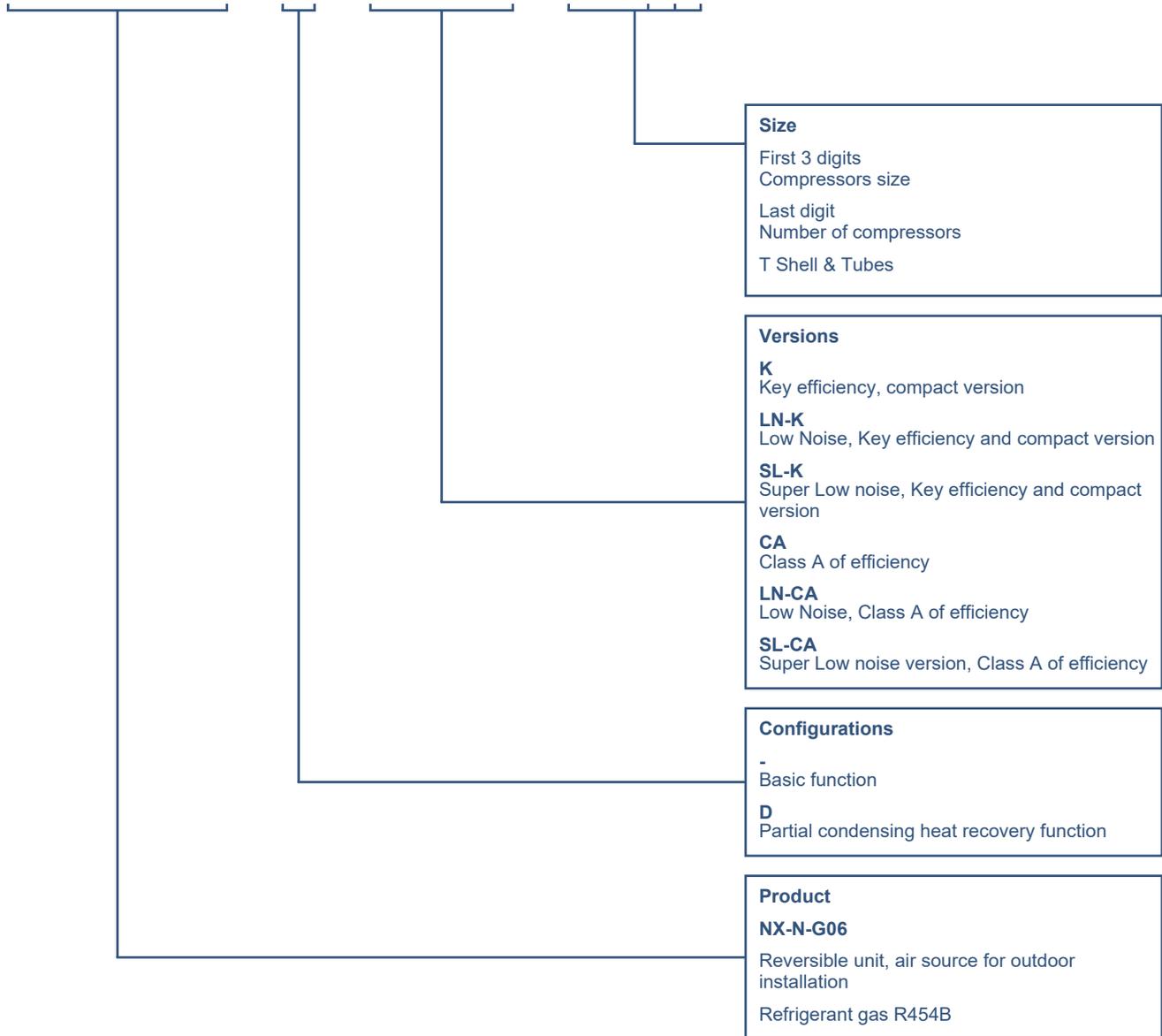
1.8 INTEGRATED HYDRONIC GROUP

The optional built-in hydronic module already contains the main water circuit components; it is available with single or twin in-line, for achieving both low or high head.

1.9 TWO SOUND EMISSION LEVELS

Two different sound emission levels available. This means the best unit can be identified based on requirements, according to the system where it will be installed and the application.

NX-N-G06 / D / SL-CA / 1204T



3.1 UNIT STANDARD COMPOSITION

3.2 Reversible unit, air source for outdoor installation

Outdoor reversible unit for the production of chilled/hot water with hermetic rotary Scroll compressors, low-GWP and ozone-friendly refrigerant R454B, axial-flow fans, copper tubes aluminum fins air coils, shell and tubes heat exchanger, and thermostatic or electronic expansion valve, according to the model. External panels in pre-clad sheet steel and base in galvanised steel with paint finish. The range is composed by units equipped with four compressors in tandem configuration on two independent refrigerant circuits.

3.3 Structure

Specific structure for outdoor installation, with hot galvanized steel sheet base painted with polyester powder coat, perimeter frame made of aluminum section bars. Fan compartment separate from the compressor compartments. Aluminum alloy panelling specific for outdoor installation, completely weatherproof, easily removable, designed to allow total access to internal components for inspection and maintenance (removal of front and side panels). Condensate collection and disposal system composed by double pan, insulated with closed-cell neoprene lagging and heated by dedicated electrical heaters. Double nozzle for water expelling with a 1 1/4" diameter. Ventilation of compressor compartments.

3.4 Refrigerant circuit

Main components of the cooling circuit:

- circuit with hermetic scroll compressors in tandem configuration
- R454B refrigerant
- shell and tube exchanger
- crankcase heater on each compressor
- drier filter with replaceable cartridge
- refrigerant line sight glass with humidity indicator
- externally equalized thermostatic valve (versions K, LN-K, SL-K)
- electronic expansion valves (versions CA, LN-CA, SL-CA)
- high and low pressure safety valves, conveyed to external discharge
- 4-way reverse cycle valve
- high and low pressure transducers
- safety switching device for limiting the pressure

3.5 R454B REFRIGERANT

The refrigerant used in these units is R454B, one of the most eco-sustainable refrigerants for replacing traditional R410A, thanks to the 76% lower GWP.

Unlike R410A, R454B is classified as A2L according to ISO 817. The first digit defines toxicity (A: NON-TOXIC), while the last digits define the flammability level (2L: MILDLY FLAMMABLE - low burning velocity). It is classified by PED Directive into Group 1.

The main characteristics of this refrigerant and some additional guidelines are reported below. Despite the minimal risk, the indications provided cannot replace a more detailed risk analysis if required, also based on any regulations in force in the installation area.

Further and more detailed guidelines are available in the dedicated area of the website www.melcohit.com (Guidelines) or in the dedicated addendum of the general installation and maintenance manual.

Main characteristics of R454B refrigerant:

- Safety classification (ASHRAE / ISO 817): A2L
- PED Group: 1
- Ozone Depletion Potential (ODP) (R11=1): 0
- AR5 (AR4) GWP (CO2=1): 467 (466)
- Composition (Wt %): 68,9% R32, 31,1% R1234yf
- LFL@23°C, 50% RH (% v/v): 11,7
- UFL@23°C, 50% RH (% v/v): 22,0
- Burning velocity (cm/s): 5,2
- Minimum Ignition Energy (mJ) (ASTM E582-13): 100-300

- All operations on the unit must be performed by trained and qualified personnel on flammable refrigerants handling, in accordance with the relevant local standards and codes of practice.
- The refrigerant is heavier than air and can stagnate, reaching a dangerous concentration. To avoid risks, maintain a safe environment by ensuring adequate ventilation.
- The units must be installed in such a way as to prevent any refrigerant leaks from flowing into the buildings or any place where it could cause damage to people, animals or properties. Pay particular attention to the presence and disposition of any external air intakes, doors, shutters, etc.
- The units are equipped with conveyed safety valves with external discharge. In case of over-pressure, refrigerant gas can escape from these valves: the discharge of these ducts must be directed towards safe areas and away from the ground or potential sources of ignition.
- Do not braze pipes and components containing refrigerant.
- Do not use flames to cut / open pipes.
- The units are equipped with a safety valve (water side). In case of

breakage of the heat exchanger and resulting overpressure, refrigerant gas can escape from these valves: the discharge of these valves must be directed towards safe areas and away from the ground or potential sources of ignition.

- The hydraulic circuit must be designed in such a way as to prevent the release of refrigerant gas inside the buildings or in any case in places where it can cause damage to people, animals or properties.

3.6 Compressor

Hermetic scroll compressors complete with an oil sump heater, electronic overheating protection with centralised manual reset and a two-pole electric motor.

3.7 Plant side heat exchanger

Direct expansion shell & tube exchanger, with asymmetrical refrigerant side flows for maintaining the correct speed of the refrigerant in the tubes when passing from the liquid to the gas phase. Steel shell with foamed closed-cell elastomer anti-condensation lining. The shell & tube is manufactured using copper tubes with internal grooves for favouring heat exchange and mechanically expanded onto the tube plates. The heat exchanger may be inspected to facilitate cleaning operations when using particularly hard water (limestone).

3.8 Source side heat exchanger

Finned coil exchanger made by copper tubes mechanically bounded to aluminium fins. The aluminium fins are correctly spaced to guarantee optimum heat exchange efficiency.

3.9 Electrical and control panel

Electrical and control panel built in accordance with EN60204-1 standard, complete with:

- control circuit transformer
- general door lock isolator
- fuses and contactors for compressors and fans
- terminals for cumulative alarm block
- remote ON/OFF terminals
- spring-type control circuit terminal board
- electric panel with double door and seals for outdoor installation
- electronic controller
- Pump control relay + 0-10V modulating signal to control an external variable speed pump with the VPF.E control logic (plant-side constant ΔT for plants with primary circuit only and terminals with bypass)
- Power supply: 400V~ $\pm 10\%$ 3ph 50Hz

3.10 Fan section source side

Axial electric fans, protected to IP 54, with external rotor and profiled diecast aluminium blades. Housed in aerodynamic hoods complete with safety grille. 6-pole electric motor with built-in thermal protection. Condensation pressure control with autotransformer for modulating fan speed.

3.11 Certification and applicable directives

- The unit complies with the following directives and relative amendments:
- EUROVENT Certification program
- CE Declaration of conformity certificate for the European Union
- Machine directive 2006/42/EC
- 2014/30/EC EMC Directive
- ErP Directive 2009/125/EC
- Pressure Equipment Directive 2014/68/EU

3.12 Tests

Tests performed throughout the production process, as indicated in ISO9001.

Performance or noise tests can be performed by highly qualified staff in the presence of customers.

Performance tests comprise the measurement of:

- electrical data
- water flow rates
- working temperatures
- power input
- power output
- pressure drops on the water-side exchanger both at full load (at the conditions of selection and at the most critical conditions for the condenser) and at part load conditions.

During performance testing it is also possible to simulate the main alarm states.

Noise tests are performed to check noise emissions according to ISO9614.

3.13 Electronic control W3000TE

W3000TE Compact control features an easy-to-use interface and a

UNIT STANDARD COMPOSITION

complete LCD display that allows consulting and intervening on the unit by means of a multi-language menu (19 languages are available).

The regulation is based on the patented "Quickmind" water temperature regulation logic uses self-adapting control to maintain flow temperatures and optimise performance even in low water content scenarios. As an alternative, the proportional or proportional-integral regulations are also available.

The diagnostics comprises a complete alarm management system, with the "black-box" (via PC) and the alarm history display (via display or also PC) for enhanced analysis of the unit operation

Optional proprietary devices can perform the adjustment of the resources in systems made of several units. Consumption metering and performance measurement are possible as well.

Supervision can be easily developed via proprietary devices or the integration in third party systems by means of the most common protocols as ModBus, Bacnet, Bacnet-over-IP, LonWorks.

Compatibility with the remote keyboard (up to 8 units).

The programmable timer manages a weekly schedule organised into time bands to optimise unit performance by minimising power consumption during periods of inactivity. Up to 10 daily time bands can be associated with different operating set points.

The defrosting (air source reversible unit only) follows a proprietary self-adaptive logic, which features the monitoring of several operational parameters. This allows to reduce the number and duration of the defrost cycles, with a benefit for the overall energy efficiency.



3.13 KIPLink - Keyboard In your Pocket (option 6196)

KIPLink - Keyboard In Your Pocket - is the innovative user interface based on WiFi technology that allows one to operate on the unit directly from the smartphone or tablet. Using KIPLink, it is possible to turn the unit on and off, adjust the set-point, plot the main operating variables, monitor in detail the status of the refrigerant circuits, the compressors, the fans (if present) and the pumps (if present) and display and reset the possible alarms.



3.13 Night mode (option 1430)

The night mode function allows to reduce the sound power of the unit, reducing the speed of the fans and the number of active compressors.

3.13 U.L.C. - User limit control (option 4960)

Guaranteed the start-up of the units with the option U.L.C. even when the critical working condition could generate an alarm.

The controller can manage a 3way mixing valve (not provided) by 0-10V signal for ensuring a dynamic control of the water temperature on user heat exchanger according to the operating limits allowed. This ensures the start-up and correct functioning of the unit into the envelope, also even critical whether condition.

3.14 Versions

/K - Key efficiency, compact version

Key efficiency, compact version.

/LN-K - Low Noise, Key efficiency and compact version

This configuration features a special soundproofing for the compressor compartment and the pumps (if present), a reduced fan speed and an oversized condensing section.

The fan speed is automatically increased in case of particularly tough environmental conditions.

/SL-K - Super Low noise, Key efficiency and compact version

This configuration features a special soundproofing for the compressor compartment and the pumps (if present), a reduced fan speed and an oversized condensing section.

The fan speed is automatically increased in case of particularly tough environmental conditions.

/CA - Class A of efficiency

Class A of efficiency as per Eurovent.

/LN-CA - Low Noise, Class A of efficiency

Unit in Eurovent class A of efficiency.

This configuration features a special soundproofing for the compressor compartment and the pumps (if present), a reduced fan speed and an oversized condensing section.

The fan speed is automatically increased in case of particularly tough environmental conditions.

/SL-CA - Super Low noise, Class A of efficiency

Unit in Eurovent class A of efficiency.

This configuration features a special soundproofing for the compressor compartment and the pumps (if present), a reduced fan speed and an oversized condensing section.

The fan speed is automatically increased in case of particularly tough environmental conditions.

3.15 Configurations

- , standard unit

Reversible standard unit for production of chilled/hot water according to the selected operation mode.

/D, unit with partial heat recovery

Unit for the production of water for the primary circuit and for sanitary purposes.

This version features an additional water/coolant heat exchanger on the gas delivery line, fitted in series with the traditional cooling circuit condenser. This allows to recover the de-superheating heat for the production of medium-to-high temperature water (secondary or recovery circuit). Hot water can be produced in the recovery circuit for domestic hot water and the like both in summer and winter. The heating capacity of this circuit is approximately equal to the power input of the compressor.

4.1 OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|---|--|---|----------------------|
| PF232 EVAPORATOR WATER FLOW SWITCH | | | |
| C5140131 Evaporator flowswitch | Flow switch with stainless scoop AISI 316L and IP65 protection suitable for installation in industrial plant pipes. It should be installed in a straight pipe without filters, valves, etc., long at least 5 times its diameter, both upstream and downstream. | Signaling of lack of or excessive reduction of flow, it generates an alarm that is in automatic or manual reset depending on n ° alarms per hour and the maximum time of operation of the pump under conditions of low flow rate. | ALL |
| C5140120 Evaporator water flow switch | Flow switch with stainless scoop AISI 316L and IP65 protection suitable for installation in industrial plant pipes. It should be installed in a straight pipe without filters, valves, etc., long at least 5 times its diameter, both upstream and downstream. | Signaling of lack of or excessive reduction of flow, it generates an alarm that is in automatic or manual reset depending on n ° alarms per hour and the maximum time of operation of the pump under conditions of low flow rate. | ALL |
| 1960 PRESSURE RELIEF VALVES | | | |
| 1961 DUAL RELIEF VALVES WITH SWITCH | Dual relief valve with switch | Allows to unselect a relief valve in order to service the unit avoiding medium or long inoperative periods | ALL |
| 380 NUMBERED WIRING | | | |
| 381 NUMBERED WIRING ON EL. BOARD | Electrical board wires are identified by numbered labels. The reference numbers are indicated in the unit's wiring scheme. | Facilitate maintenance interventions to the electrical board connections. | ALL |
| 382 PWR WIRINGS ACC.TO UK REQUEST | | Facilitate maintenance interventions to the electrical board connections. | ALL |
| 383 NUMBERED WIRINGS+UK REQUESTS | Electrical board wires are identified by numbered labels. The reference numbers are indicated in the unit's wiring scheme. | Facilitate maintenance interventions to the electrical board connections. | ALL |
| 2410 PHASE SEQUENCE RELAY | | | |
| 2411 WITH EXTERNAL PHASE SEQUENCE RELAY | Relay for checking mains phase-sequence | Protects loads against faults due to incorrect connection of mains | ALL |
| 2412 PHASE SEQU. RELAY + OVER/UNDER VOLT. MONIT. | Relay for checking mains phase-sequence and voltage | The monitoring relay protects loads against faults due to incorrect connection of mains, and it monitors whether it exceeds or falls below a specified voltage in a three-phase network. | ALL |
| 3300 COMPRESSOR REPHASING | | | |
| 3301 COMPR.POWER FACTOR CORR. | Capacitors on the compressors' power inlet line. | The unit's average cos(phi) increases. | ALL |
| 3410 AUTOMATIC CIRCUIT BREAKERS | | | |
| 3412 AUTOM. CIRCUIT BREAK. ON LOADS | Over-current switch on the major electrical loads. | In case of overcurrent allows resetting of the switch without the replacement of relative fuses. | ALL |
| 3600 ON/OFF COMPRESSOR SIGNAL | | | |
| 3601 COMPRESSOR OPERATION SIGNAL | Auxiliary contacts providing a voltage-free signal. | Allows remote signalling of compressor's activation or remote control of any auxiliary loads. | ALL |
| 4160 WINTER/SUMMER SWITCHOVER | | | |
| 4161 REMOTE SUMMER/WINTER SWITCH | Digital input (voltage free) | Allows to change the operating mode (Cooling/Heating) according to a remote switch | ALL |
| 4180 REMOTE CONNECTION ARRANGEMENT | | | |
| 4181 SERIAL CARD MODBUS | Interface module for ModBUS protocols. | Allows integration with BMS operating with ModBUS protocol. | ALL |

OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|--|---|--|----------------------|
| 4182 SERIAL CARD FOR LONWORKS | Interface module for Echelon systems. | Allows integration with BMS operating with LonWorks protocols | ALL |
| 4184 SERIAL CARD BACNET MS/TP RS485 | Interface module for BACnet protocols. | Allows integration with BMS operating with BACnet protocol. | ALL |
| 4185 SERIAL CARD FOR BACNET OVER IP | Interface module for BACnet OVER-IP protocols. | Allows to interconnect BACnet devices over Internet Protocol within wide-area networks. | ALL |
| 4186 SERIAL CARD FOR KONNEX | Protocol for KNX system | Allows integration with BMS operating with KNX protocol | ALL |
| 4187 M-Net W3000 INTERFACE KIT | Interface kit for M-Net protocol. | Interface module to allow the integration of the unit with Mitsubishi Electric proprietary communication protocol M-Net. | ALL |
| 4188 SERIAL CARD MODBUS TCP/IP | Interface module for ModBus TCP/IP protocol | Allows integration with BMS operating with ModBus TCP/IP protocol. | ALL |
| 4189 SERIAL CARD SNMP | Interface module for SNMP protocol | Allows integration with BMS operating with SNMP protocol. | ALL |
| 6160 AUXILIARY INPUT | | | |
| 6161 AUXILIARY SIGNAL 4-20mA | 4-20 mA analog input | Allows to change the operating set-point according to the value of current applied to the analogue input. | ALL |
| 6162 REMOTE SIGNAL DOUBLE SP | Allows to activate the Energy Saving set-point. | Allows to change the operating set-point according to a remote switch | ALL |
| 6170 DEMAND LIMIT | | | |
| 6171 INPUT REMOTE DEMAND LIMIT | Digital input (voltage free) | It permits to limit the unit's power absorption for safety reasons or in temporary situation. | ALL |
| 1470 MULTIFUNCTION CARD | | | |
| 1431 NIGHT MODE | The option includes a related controller expansion board and dedicated terminal block. | Night mode is a system setting to limit maximum noise level of the unit. Noise level is reduced limiting maximum compressor frequency and fan speed. | ALL |
| 1471 4951 + 1431 | The option includes a related controller expansion board and dedicated terminal block. | Enables the functions corresponding to the indicated accessory codes. | ALL |
| 1472 4951 + 1431 + 4961 | The option includes a related controller expansion board and dedicated terminal block (it is necessary to install a 3 way valve). | Enables the functions corresponding to the indicated accessory codes. | ALL |
| 1473 4951 + 4961 | The option includes a related controller expansion board and dedicated terminal block (it is necessary to install a 3 way valve). | Enables the functions corresponding to the indicated accessory codes. | ALL |
| 1474 1431 + 4961 | The option includes a related controller expansion board and dedicated terminal block (it is necessary to install a 3 way valve). | Enables the functions corresponding to the indicated accessory codes. | ALL |
| 1475 4962 + 4951 | The option includes a related controller expansion board and dedicated terminal block (it is necessary to install a 3 way valve). | Enables the functions corresponding to the indicated accessory codes. | ALL |
| 1476 4962 + 1431 | The option includes a related controller expansion board and dedicated terminal block (it is necessary to install a 3 way valve). | Enables the functions corresponding to the indicated accessory codes. | ALL |

OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|---|---|--|----------------------|
| 1477 4962 + 4951 + 1431 | The option includes a related controller expansion board and dedicated terminal block (it is necessary to install a 3 way valve). | Enables the functions corresponding to the indicated accessory codes. | ALL |
| 4951 WITH HYDRAULIC DECOUPLER PROBE | Water temperature probe on hydraulic decoupler. | The pump activation can be set by parameter according to the water temperature on buffer tank measuring by the sensor (in the systems with the primary and secondary circuits separated by a hydraulic decoupler), thus bringing significant pump consumption reduction during unit's stand-by. | ALL |
| 4961 U.L.C.F. - WITH OR WITHOUT FIX SPEED PUMP | Option to be selected with the unit without pump/s or with fix speed pump/s (4703,4706,4707,4711,4712). The option includes a related controller expansion board and dedicated terminal block. | Guaranteed the start-up of the units with the option U.L.C. even when the critical working condition could generate an alarm. The W3000TE controller can manage a 3way mixing valve (not provided from MEHITS) by 0-10V signal for ensuring a dynamic control of the water temperature on user heat exchanger according to the operating limits allowed. This ensures the start-up and correct functioning of the unit into the envelope, also even critical whether condition. | ALL |
| 4962 U.L.C.F. - WITH VARIABLE WATER FLOW | Option to be selected with the unit with variable speed pump/s (4713,4714,4717,4718,4722,4723). The option includes a related controller expansion board and dedicated terminal block. | Guaranteed the start-up of the units with the option U.L.C. even when the critical working condition could generate an alarm. The W3000TE controller can manage a 3way mixing valve (not provided from MEHITS) by 0-10V signal for ensuring a dynamic control of the water temperature on user heat exchanger according to the operating limits allowed. This ensures the start-up and correct functioning of the unit into the envelope, also even critical whether condition. | ALL |
| 1510 SOFT-STARTER | | | |
| 1511 UNIT WITH SOFT-START | Electronic device adopted to manage the inrush current. | Break down of the inrush current compared to the direct motor start, lower motor windings' mechanical wear, avoidance of mains voltage fluctuations during starting, favourable sizing for the electrical system. | ALL |
| 6190 TYPE OF VISUAL DISPLAY | | | |
| 6196 KIPLink | The unit is equipped with KIPLink, the innovative user interface based on WiFi technology | | ALL |
| 6198 KIPLink + KEYBOARD | In addition to KIPLink, the innovative user interface based on WiFi technology, the unit is equipped with the Large keyboard with a wide LCD display and led icons. | | ALL |
| 6310 VISUAL DISPLAY PROTECTION | | | |
| 6311 WITH DISPLAY PROTECTION | Display protection sealed panel | Provide complete protection against UV rays, atmospheric agents, sand storms. | ALL |

OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|--|--|---|----------------------|
| 5920 MANAGEMENT & CONTROL SYSTEMS | | | |
| 5922 ClimaPRO ModBUS RS485 - MID | This option includes all following devices on-board the unit panel: - MID certified network analyzer operating on ModBUS over RS-485 - Current transformers - W3000TE controller - Software release LA09 or later version. | This accessory allows to acquire the electrical data and the power absorbed by the unit and communicate with ClimaPRO via high level communication interface based on ModBUS over EIA RS-485. More specifically, the data collected are: power supply, current, frequency, power factor ($\cos\phi$), electrical power consumption, energy consumption. This specific energy meter model is MID certified and can therefore be used for billing applications. This option also ensures the compatibility between the units and ClimaPRO, thus allowing ClimaPRO to acquire all the main unit's operating variables and status by means of a high level communication interface to the controller installed onboard the unit panel. | ALL |
| 5923 ClimaPRO BacNET over IP | This option includes all following devices on-board the unit panel: - network analyzer operating on BACnet over IP - Current transformers - W3000TE controller - Software release LA09 or later version. | This accessory allows to acquire the electrical data and the power absorbed by the unit and communicate with ClimaPRO via high level communication interface based on BACnet over IP. More specifically, the data collected are: power supply, current, frequency, power factor ($\cos\phi$), electrical power consumption, energy consumption. This network analyzer is not MID certified and cannot therefore be used for billing applications. This option also ensures the compatibility between the units and ClimaPRO, thus allowing ClimaPRO to acquire all the main unit's operating variables and status by means of a high level communication interface to the controller installed onboard the unit panel. | ALL |
| 5924 ENERGY METER FOR BMS | This option includes all following devices on-board the unit panel: - network analyzer with display operating on ModBUS protocol over RS-485 (without certification MID) - current transformers. | This accessory allows to acquire the electrical data and the power absorbed by the unit and send them via RS-485 bus to the BMS for energy metering. | ALL |
| 5925 ENERGY METER FOR W3000 | This option includes all following devices on-board the unit panel: - network analyzer with display, already cabled to unit's controller - current transformers. | This option allows to acquire the electrical data and the power absorbed by the unit. The figures are accessible through the unit's W3000 interface, and be sent to the BMS via several protocols by selecting the dedicated serial card in the option list. | ALL |
| 5940 SETP. COMPENSATION OUT. TEMP. | | | |
| 5941 WITH SETPOINT COMPENSATION | This option includes an outside air sensor to be installed outside the building and enable the climatic curve function. | Available as option an outside air temperature probe to control the system water temperature set point based on cooling and heating (reversible units) climatic curves. Delivering water at different temperatures to the terminals based on the outside air temperature achieves high seasonal efficiency ratios and brings considerable savings in running costs. | ALL |
| 3430 REFRIGERANT LEAK DETECTOR | | | |
| 3431 REFRIG. LEAK DETECTOR | Refrigerant leak detection system, supplied factory mounted and wired in the electrical board. In case of leak detection it will raise an alarm. | It promptly detects gas leakages | ALL |

OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|---|--|--|----------------------|
| 3433 GAS LEAK CONTACT + COMPR. OFF | Refrigerant leak detection system, supplied factory mounted and wired in the electrical board. In case of leak detection it will raise an alarm and stop the unit. | It promptly detects gas leakages and stops the unit | ALL |
| 600 LIQUID LINE SOLENOID VALVE | | | |
| 601 LIQUID LINE SOLENOID VALVE | Solenoid valve on the refrigerant liquid line. | Intercepts the liquid refrigerant and grants the correct operation of the unit in all the different operating modes. | ALL |
| 1400 HP AND LP GAUGES | | | |
| 1401 HP AND LP GAUGES | High and low pressure gauges | Allows immediate reading of the pressure values on both low and high pressure circuits | ALL |
| 1900 COMPRESSOR SUCTION VALVE | | | |
| 1901 COMPRESSOR SUCTION VALVE | Shut-off valve on compressor's suction circuit. | Simplifies maintenance activities | ALL |
| 1910 COMPRESSOR DISCHARGE VALVE | | | |
| 1911 COMPR. DISCHARGE LINE VALVE | Shut-off solenoid valve on compressor discharge circuit | Simplifies maintenance activities | ALL |
| 1930 ELECTRONIC EXPANSION VALVES | | | |
| 1925 EEV FOR UNITS WITHOUT DVV | Electronic expansion valve. This code includes the DVV device for the ventilation control. This code can be selected only for the models equipped with the pressostatic fan control (DP device). | The electronic valve ensures a quick, fluctuating-free refrigerant circuit regulation, and therefore a highly accurate adjustment to the load swings. Furthermore it allows to reduce the super heating in the evaporator, thus enhancing unit's operating efficiency. | ALL |
| 1926 EEV FOR UNITS WITH DVV | Electronic expansion valve. This code can be selected only for the models already equipped with a fan speed control device (DVV, DVVF, DVV2F). | The electronic valve ensures a quick, fluctuating-free refrigerant circuit regulation, and therefore a highly accurate adjustment to the load swings. Furthermore it allows to reduce the super heating in the evaporator, thus enhancing unit's operating efficiency. | ALL |
| 890 CONDENSING COIL | | | |
| 881 Cu/Cu EXTERNAL COIL | Finned coil heat exchanger made from suitably-spaced copper tubes and fins designed to ensure maximum heat exchange efficiency. | This type of coil is not subject to galvanic corrosion, being made from just one material. For further information please refer to the Guidelines "Finned coil heat exchangers and protection against corrosion", available in the download section of the website www.melcohit.com/EN/Download/Corporate or contact our sales department. | ALL GUIDELINES |
| 894 Cu PIPES/PREPAINTED ALL. FINS | Finned coil heat exchanger made from copper tubes and aluminum fins with chemical cleaning treatment to remove impurities, and then coated with protective paint with the following characteristics: - fins treated with protective polyester resin paint; - over 1000 hours of salt spray protection as per ASTM B117 (fins without cross and protected edges); - excellent resistance to UV rays. | Provide a good resistance against corrosion. For further information please refer to the Guidelines "Finned coil heat exchangers and protection against corrosion", available in the download section of the website www.melcohit.com/EN/Download/Corporate or contact our sales department. | ALL GUIDELINES |

OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|---|--|--|-----------------------|
| 895 FIN GUARD SILVER TREATM | Copper-aluminum heat exchanger coils with polyurethane paint Fin Guard Silver SB. Coil completely coated by a protective layer of polyurethane paint with the following characteristics: - polyurethane paint with metallic emulsion; - over 3000 hours of salt spray protection as per ASTM B117; - excellent resistance to UV rays; - high-pressure spray painting system. | Provide a very high resistance against corrosion, also in very aggressive environment. For further information please refer to the Guidelines "Finned coil heat exchangers and protection against corrosion", available in the download section of the website www.melcohit.com/EN/Download/Corporate/ or contact our sales department. | ALL GUIDELINES |
| 2030 PROTECTION GRILL | | | |
| 2032 COND. COIL PROTECTION NET | Covering metal net on the coil | Finned coil protection | ALL |
| 820 FAN CONTROL | | | |
| 801 PRESSOST. LOW AMBIENT CONTROL | Pressostatic control of the fans | Extension of the unit operating range (see the section dedicated to the operating limits). The device allows the unit to operate in the most extreme conditions avoiding any risk of low pressure alarm intervention. The enhanced air flow management delivers also benefits in terms of both efficiency and quietness. | ALL |
| 802 VAR.FAN SPEED LOW AMB.CONTROL | Fan speed control according to the condensing pressure; the use of this device is mandatory in case the unit operates with low evaporator leaving water temperature combined with low outdoor air temperatures | Extension of the unit operating range (see the section dedicated to the operating limits). The device allows the unit to operate in the most extreme conditions avoiding any risk of low pressure alarm intervention. The enhanced air flow management delivers also benefits in terms of both efficiency and quietness. | ALL |
| 808 EC FANS | Electronically commutated fans (EC fans). The brushless motor, governed by a special controller, continuously adjust fans' speed. | Reduced energy consumption and minimized current's absorption during start-up phase. The efficiency is increased by approximately: +1% of EER and +4/5% of ESEER. The noise reduces proportionally to the unit's partialization. | ALL |
| 819 DVVF | Fan speed control according to the condensing pressure; the use of this device is mandatory in case the unit operates with low evaporator leaving water temperature combined with low outdoor air temperatures | Extension of the unit operating range (see the section dedicated to the operating limits). The device allows the unit to operate in the most extreme conditions avoiding any risk of low pressure alarm intervention. The enhanced air flow management delivers also benefits in terms of both efficiency and quietness. | ALL |
| 821 DVV2F | Fan speed control according to the condensing pressure; the use of this device is mandatory in case the unit operates with low evaporator leaving water temperature combined with low outdoor air temperatures | Extension of the unit operating range (see the section dedicated to the operating limits). The device allows the unit to operate in the most extreme conditions avoiding any risk of low pressure alarm intervention. The enhanced air flow management delivers also benefits in terms of both efficiency and quietness. | ALL |
| 790 DEV.FOR LOW AIR TEMP.(HP MODE) | | | |
| 814 COIL ANTIFREEZE HEATERS | L'opzione prevede l'inserimento di una resistenza elettrica tra batteria e bacinella di scarico condensa. | This option avoid the water freezing with a outdoor air temperature close to 0°C or lower. | ALL |

OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|---------------------------------------|---|--|----------------------|
| 4730 U - HYDRONIC MODULE | | | |
| 4736 U - 1 PUMP 2P LH (FIX SPEED) | User side heat exchanger hydronic module, compatible with constant flow control. The unit is provided with 1 fixed speed pump, with 2-pole motor. Residual head of 100 kPa approximately. Specifications and characteristic curves are available in the dedicated bulletin section. | The hydronic module includes the pumps and the main water circuit components, thus optimizing hydraulic and electrical installation space, time and costs. | ALL |
| 4737 U - 1 PUMP 2P HH (FIX SPEED) | User side heat exchanger hydronic module, compatible with constant flow control. The unit is provided with 1 fixed speed pump, with 2-pole motor. Residual head of 200 kPa approximately. Specifications and characteristic curves are available in the dedicated bulletin section. | The hydronic module includes the pumps and the main water circuit components, thus optimizing hydraulic and electrical installation space, time and costs. | ALL |
| 4741 U - 2 PUMPS 2P LH (FIX SPEED) | User side heat exchanger hydronic module, compatible with constant flow control. The unit is provided with 2 fixed speed pumps, with 2-pole motor. Residual head of 100 kPa approximately. The pumps are controlled in duty/standby, with running hours equalization and changeover on device failure. Specifications and characteristic curves are available in the dedicated bulletin section. | The hydronic module includes the pumps and the main water circuit components, thus optimizing hydraulic and electrical installation space, time and costs. | ALL |
| 4742 U - 2 PUMPS 2P HH (FIX SPEED) | User side heat exchanger hydronic module, compatible with constant flow control. The unit is provided with 2 fixed speed pumps, with 2-pole motor. Residual head of 200 kPa approximately. The pumps are controlled in duty/standby, with running hours equalization and changeover on device failure. Specifications and characteristic curves are available in the dedicated bulletin section. | The hydronic module includes the pumps and the main water circuit components, thus optimizing hydraulic and electrical installation space, time and costs. | ALL |
| 4743 U - RELAY 1 PUMP + 0-10V SIG | User side heat exchanger hydronic module, compatible with constant or variable flow control. The unit is provided with 1 relay and a 0-10V signal terminal to control the activation and the speed of 1 external variable speed pump. | The hydronic module allows to control the external pumps with the unit controller logic. | ALL |
| 4744 U - RELAY 2 PUMPS + 0-10V SIG | User side heat exchanger hydronic module, compatible with constant or variable flow control. The unit is provided with 2 relays and a 0-10V signal terminal to control the activation and the speed of 2 external variable speed pump. The pumps are controlled in duty/standby, with running hours equalization and changeover on device failure. | The hydronic module allows to control the external pumps with the unit controller logic. | ALL |
| 4747 U - 1 PUMP 2P LH (VAR SPEED) | User side heat exchanger hydronic module, compatible with constant or variable flow control. The unit is provided with 1 variable speed pump, with 2-pole motor. Residual head of 100 kPa approximately. Specifications and characteristic curves are available in the dedicated bulletin section. | The hydronic module includes the pumps and the main water circuit components, thus optimizing hydraulic and electrical installation space, time and costs. | ALL |

OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|--|--|---|----------------------|
| 4748 U - 1 PUMP 2P HH (VAR SPEED) | User side heat exchanger hydronic module, compatible with constant or variable flow control. The unit is provided with 1 variable speed pump, with 2-pole motor. Residual head of 200 kPa approximately. Specifications and characteristic curves are available in the dedicated bulletin section. | The hydronic module includes the pumps and the main water circuit components, thus optimizing hydraulic and electrical installation space, time and costs. | ALL |
| 4752 U - 2 PUMPS 2P LH (VAR SPEED) | User side heat exchanger hydronic module, compatible with constant or variable flow control. The unit is provided with 2 variable speed pumps, with 2-pole motor. Residual head of 100 kPa approximately. The pumps are controlled in duty/standby, with running hours equalization and changeover on device failure. Specifications and characteristic curves are available in the dedicated bulletin section. | The hydronic module includes the pumps and the main water circuit components, thus optimizing hydraulic and electrical installation space, time and costs. | ALL |
| 4753 U - 2 PUMPS 2P HH (VAR SPEED) | User side heat exchanger hydronic module, compatible with constant or variable flow control. The unit is provided with 2 variable speed pumps, with 2-pole motor. Residual head of 200 kPa approximately. The pumps are controlled in duty/standby, with running hours equalization and changeover on device failure. Specifications and characteristic curves are available in the dedicated bulletin section. | The hydronic module includes the pumps and the main water circuit components, thus optimizing hydraulic and electrical installation space, time and costs. | ALL |
| 4870 U - PRIMARY FLOW CONTROL | | | |
| 4871 U - CONSTANT FLOW | User side heat exchanger water flow control (plant primary circuit): constant flow. Compatible with hydronic modules without regulation devices (no pumps, no contacts), with ON/OFF regulation devices (relays) or with fixed speed pumps (codes: 4731, 4732, 4733, 4734, 4735, 4736, 4737, 4738, 4739, 4741, 4742 - hydronic modules availability depends on unit model). | The unit is set up to operate with a constant water flow in the heat exchanger (plant primary circuit). This is the only option available in case of unit without any water flow regulation devices (no pumps, no contacts), which means with water flow control provided by others. In case of unit with ON/FF regulation devices or fixed speed pumps, the unit controller manages the pump activation to reduce pump consumption. | ALL |
| 4872 U - CONSTANT FLOW (PARAMETER) | User side heat exchanger water flow control (plant primary circuit): constant flow (parameter set). Compatible with hydronic modules with modulating regulation devices (0-10V signal) or with variable speed pumps (codes: 4743, 4744, 4745, 4746, 4747, 4748, 4749, 4751, 4752, 4753 - hydronic modules availability depends on unit model). | The unit is set up to operate with a constant water flow in the heat exchanger (plant primary circuit). The unit controller manages the pump activation to reduce pump consumption. The pump speed is adjusted via 0-10V signal. The option provides the possibility to set the pump speed with a controller parameter. Once set, the speed pump remains constant until the next parameter adjustment. The parameter set constant flow control is useful during the unit installation and commissioning, to adjust water flow and pressure head according to the real plant characteristics. | ALL |

OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|---------------------------------------|---|--|----------------------|
| 4874 U - VPF (plant DP trans excl) | <p>User side heat exchanger water flow control (plant primary circuit): variable flow (delta P control). Only for single unit systems.</p> <p>Compatible with hydronic modules with modulating regulation devices (0-10V signal) or with variable speed pumps (codes: 4743, 4744, 4745, 4746, 4747, 4748, 4749, 4751, 4752, 4753 - hydronic modules availability depends on unit model).</p> <p>The option includes: differential pressure transducer on the unit's heat exchanger and related controller expansion board, controller expansion board to read the plant side differential pressure transducer (4-20mA signal) and manage the hydraulic by-pass valve opening (0-10V signal).</p> <p>Compulsory equipment, supplied by others: plant side differential pressure transducer, plant side hydraulic by-pass valve.</p> | <p>The unit is set up to operate with a variable water flow in the heat exchanger (plant primary circuit).</p> <p>The unit controller manages the pump activation to reduce pump consumption. The pump speed is adjusted via 0-10V signal.</p> <p>The option provides a pump speed management based on the VPF (Variable Primary Flow) function. It keeps the delta P constant on the plant side (primary circuit), thus bringing significant pump consumption reduction during part load operation.</p> <p>The VPF function is applicable in systems with only the primary circuit.</p> <p>Further information available in the dedicated bulletin section.</p> | ALL |
| 4875 U - VPF (plant DP trans incl) | <p>User side heat exchanger water flow control (plant primary circuit): variable flow (delta P control). Only for single unit systems.</p> <p>Compatible with hydronic modules with modulating regulation devices (0-10V signal) or with variable speed pumps (codes: 4743, 4744, 4745, 4746, 4747, 4748, 4749, 4751, 4752, 4753 - hydronic modules availability depends on unit model).</p> <p>The option includes: differential pressure transducer on the unit's heat exchanger and related controller expansion board, plant side differential pressure transducer (installation by others), controller expansion board to read the plant side differential pressure transducer (4-20mA signal) and manage the hydraulic by-pass valve opening (0-10V signal).</p> <p>Compulsory equipment, supplied by others: plant side hydraulic by-pass valve.</p> | <p>The unit is set up to operate with a variable water flow in the heat exchanger (plant primary circuit).</p> <p>The unit controller manages the pump activation to reduce pump consumption. The pump speed is adjusted via 0-10V signal.</p> <p>The option provides a pump speed management based on the VPF (Variable Primary Flow) function. It keeps the delta P constant on the plant side (primary circuit), thus bringing significant pump consumption reduction during part load operation.</p> <p>The VPF function is applicable in systems with only the primary circuit.</p> <p>Further information available in the dedicated bulletin section.</p> | ALL |
| 4876 U - VPF MULTI-UNIT SYSTEM | <p>User side heat exchanger water flow control (plant primary circuit): variable flow (delta P control). Only for multi-unit systems.</p> <p>Compatible with hydronic modules with modulating regulation devices (0-10V signal) or with variable speed pumps (codes: 4743, 4744, 4745, 4746, 4747, 4748, 4749, 4751, 4752, 4753 - hydronic modules availability depends on unit model).</p> <p>The option includes: differential pressure transducer on the unit's heat exchanger and related controller expansion board.</p> <p>It shall be the customer responsibility to configure the multi-unit control system (Manager3000 or ClimaPRO) with option VPF.</p> | <p>The unit is set up to operate with a variable water flow in the heat exchanger (plant primary circuit).</p> <p>The unit controller manages the pump activation to reduce pump consumption. The pump speed is adjusted via 0-10V signal.</p> <p>The option provides a pump speed management based on the VPF (Variable Primary Flow) function. It keeps the delta P constant on the plant side (primary circuit), thus bringing significant pump consumption reduction during part load operation.</p> <p>The VPF function is applicable in systems with only the primary circuit.</p> <p>Further information available in the dedicated bulletin section.</p> | ALL |

OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|-------------------------------------|--|--|----------------------|
| 4877 U - VPF.D | <p>User side heat exchanger water flow control (plant primary circuit): variable flow (delta T control). Only for single unit systems.</p> <p>Compatible with hydronic modules with modulating regulation devices (0-10V signal) or with variable speed pumps (codes: 4743, 4744, 4745, 4746, 4747, 4748, 4749, 4751, 4752, 4753 - hydronic modules availability depends on unit model).</p> <p>The option includes: 2 plant side NTC temperature sensors (installation by others).</p> | <p>The unit is set up to operate with a variable water flow in the heat exchanger (plant primary circuit).</p> <p>The unit controller manages the pump activation to reduce pump consumption. The pump speed is adjusted via 0-10V signal.</p> <p>The option provides a pump speed management based on the VPF.D (Variable Primary Flow with Decoupler) function. It keeps the delta T constant on the plant side (primary circuit), thus bringing significant pump consumption reduction during part load operation.</p> <p>The VPF.D function is applicable in systems with the primary and secondary circuits separated by a hydraulic decoupler.</p> <p>Further information available in the dedicated bulletin section.</p> | ALL |
| 4878 U - VPF.D MULTI-UNIT SYSTEM | <p>User side heat exchanger water flow control (plant primary circuit): variable flow (delta T control). Only for multi-unit systems.</p> <p>Compatible with hydronic modules with modulating regulation devices (0-10V signal) or with variable speed pumps (codes: 4743, 4744, 4745, 4746, 4747, 4748, 4749, 4751, 4752, 4753 - hydronic modules availability depends on unit model).</p> <p>It shall be the customer responsibility to configure the multi-unit control system (Manager3000 or ClimaPRO) with option VPF.D.</p> | <p>The unit is set up to operate with a variable water flow in the heat exchanger (plant primary circuit).</p> <p>The unit controller manages the pump activation to reduce pump consumption. The pump speed is adjusted via 0-10V signal.</p> <p>The option provides a pump speed management based on the VPF.D (Variable Primary Flow with Decoupler) function. It keeps the delta T constant on the plant side (primary circuit), thus bringing significant pump consumption reduction during part load operation.</p> <p>The VPF.D function is applicable in systems with the primary and secondary circuits separated by a hydraulic decoupler.</p> <p>Further information available in the dedicated bulletin section.</p> | ALL |
| 4879 U - VPF.E | <p>User side heat exchanger water flow control (plant primary circuit): variable flow (delta T control).</p> <p>Compatible with hydronic modules with modulating regulation devices (0-10V signal) or with variable speed pumps (codes: 4743, 4744, 4745, 4746, 4747, 4748, 4749, 4751, 4752, 4753 - hydronic modules availability depends on unit model).</p> | <p>The unit is set up to operate with a variable water flow in the heat exchanger (plant primary circuit).</p> <p>The unit controller manages the pump activation to reduce pump consumption. The pump speed is adjusted via 0-10V signal.</p> <p>The option provides a pump speed management based on the VPF.E function. It keeps the delta T constant on the plant side (primary circuit), thus bringing significant pump consumption reduction during part load operation.</p> <p>The VPF.E function is applicable in systems with only the primary circuit and with the hydraulic terminals equipped 3 way valve (by-pass).</p> <p>Further information available in the dedicated bulletin section.</p> | ALL |
| 4940 BUFFER TANK | | | |
| 4942 U - WITH BUFFER TANK | <p>Buffer tank covered by a 20 mm thick of insulation lining in closed-cell reticulated foam, which capacity depends on the unit size (see the dedicated table). In the dedicated section are described all the factory-mounted components included in the buffer tank system.</p> | <p>It helps to reach the plant water content required for the correct unit operation (see dedicated section "Hydraulic Data").</p> | ALL |

OPTIONS

| OPTIONS | DESCRIPTIONS | BENEFITS | AVAILABLE FOR MODELS |
|--|---|---|----------------------|
| 2430 PIPING KIT ANTIFREEZE HEATER | | | |
| 2432 ANTIFREEZE PIPING, PUMPS | Electrical heaters on pipes and other hydraulic unit's components. This option is mandatory if the unit is supposed to work with outdoor temperature below 0°C. | It protects the unit against ice formation on its hydraulic components. | ALL |
| 2433 ANTIFREEZE PIPING, PUMPS, TANK | Electrical heaters on pipes and other hydraulic unit's components. This option is mandatory if the unit is supposed to work with outdoor temperature below 0°C. | | ALL |
| 2660 HEAT-EXCHANGER INSULATION | | | |
| 2640 STANDARD INSULATION 10mm. | | Reduces heat losses and prevent from condensate problems. | ALL |
| 2641 EXTRA INSULATION ON EXCHANGERS | Increased thermal insulation on the heat exchanger: 20 mm thick closed-cell expanded polyurethane. | Reduces heat losses and prevent from condensate problems. | ALL |
| 2620 ACOUSTICAL ENCLOSURE | | | |
| 2621 EXTRA SOUNDPROOFING INSULATION | Increased soundproofing enclosure for compressor section | Noise emission reduction | ALL |
| 9970 PACKING | | | |
| 9968 NYLON, SUPP., COIL PROT. PACK. | Unit provided plastic supports, with polypropylene panels for coils protection and covered with nylon | | ALL |
| 9973 WOODEN CAGE PACKING | Unit provided with wooden cage | | ALL |
| 9977 SUPPORTS + COILS PROTECTION | Unit provided plastic supports and covered with nylon | | ALL |

OPTIONS

Additional information - IMPORTANT -

3301 – Compressor power factor correction

1511 – Soft starter

There is a mutual exclusion rule between the compressor rephasing condensers and the soft start device. When both accessories are required together, a feasibility analysis is needed. If the configuration is available as a special execution, an extra-price may be quoted.

1925-1926 – Electronic expansion valve

601 – Liquid line solenoid valve

The use of the electronic expansion valve entails the selection of the solenoid valve.

808 - EC fans

These fans are suitable to operate up to 46°C of outdoor temperature. In case of higher temperatures, fans with oversized motors must be used. For the quotation of these components, please contact our sales department.

3431 – Leak detector

3433 - Leak detector + compress. Off

The purpose of these options is to check and raise an alarm whether a leak occurs; they should not be considered as safety devices.

4942 - U - With buffer tank

4747, 4748, 4752, 4753 - U – Pump/s 2p (VAR SPEED)

There is a mutual exclusion rule between the accessories buffer tank and the variable speed pumps.

OPTIONS

Chiller Plant Control with Active Optimization System

ClimaPRO System Manager

ClimaPRO System Manager represents the state-of-the-art platform for chiller plant management and control.

ClimaPRO ensures to actively optimize the entire chiller plant by managing and adjusting each component directly involved in the production and the distribution of the heating and the cooling energies, therefore involving chillers and heat pumps, pumping groups as well as the source-side devices like, for example, the cooling towers.

In particular, ClimaPRO measures in real-time all the operating variables from the field, for each individual device and each of the main system branches, by using serial communication lines as well as dedicated analogue signals.

The acquired data are then compared with the design data of each single unit at any different working conditions, thus allowing to implement control strategies based on dynamic algorithms which take into account the real operating conditions.

On the basis of these values, an advanced diagnostic module also allows to assess the level of efficiency for each individual unit, translating data into easy-to-read information in order to simplify and optimize the maintenance activities.

The "Chart Builder" software module allows to display the trends of the main operating variables. The "Reporting" module allows to send reports to selected users, including data and system's status of the main devices as well as to perform calculation of the energy indexes for each single unit and for the entire chiller plant.

The accessibility to ClimaPRO System Manager is ensured by an integrated web server that makes it visible from any computer equipped with a web browser, either locally or remotely.



5.1 GENERAL TECHNICAL DATA

NX-N-G06

[SI System]

| NX-N-G06 | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | |
|--|--------|--|-------|-------|-------|-------|-------|-------|-------|
| Power supply | | V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 | | | | | | | |
| PERFORMANCE | | | | | | | | | |
| COOLING ONLY (GROSS VALUE) | | | | | | | | | |
| Cooling capacity | (1) | kW | 153,7 | 178,4 | 202,5 | 235,4 | 263,2 | 286,0 | 306,5 |
| Total power input | (1) | kW | 53,47 | 63,25 | 71,14 | 83,39 | 93,30 | 99,83 | 108,6 |
| EER | (1) | kW/kW | 2,873 | 2,818 | 2,848 | 2,823 | 2,821 | 2,866 | 2,822 |
| ESEER | (1) | kW/kW | | | | | | | |
| COOLING ONLY (EN14511 VALUE) | | | | | | | | | |
| Cooling capacity | (1)(2) | kW | 153,5 | 178,0 | 202,2 | 235,1 | 262,8 | 285,7 | 306,1 |
| EER | (1)(2) | kW/kW | 2,850 | 2,790 | 2,810 | 2,790 | 2,780 | 2,840 | 2,790 |
| ESEER | (1)(2) | kW/kW | - | - | - | - | - | - | - |
| Cooling energy class | | | - | - | - | - | - | - | - |
| HEATING ONLY (GROSS VALUE) | | | | | | | | | |
| Total heating capacity | (3) | kW | 163,1 | 189,6 | 216,6 | 255,0 | 281,5 | 304,5 | 323,9 |
| Total power input | (3) | kW | 52,03 | 61,14 | 69,38 | 82,25 | 90,54 | 97,31 | 103,8 |
| COP | (3) | kW/kW | 3,137 | 3,103 | 3,121 | 3,098 | 3,110 | 3,129 | 3,120 |
| HEATING ONLY (EN14511 VALUE) | | | | | | | | | |
| Total heating capacity | (3)(2) | kW | 163,3 | 190,0 | 217,0 | 255,4 | 281,9 | 304,9 | 324,3 |
| COP | (3)(2) | kW/kW | 3,120 | 3,080 | 3,080 | 3,060 | 3,070 | 3,100 | 3,090 |
| Cooling energy class | | | - | - | - | - | - | - | - |
| COOLING WITH PARTIAL RECOVERY | | | | | | | | | |
| Cooling capacity | (4) | kW | 159,4 | 185,0 | 210,1 | 244,2 | 273,0 | 296,8 | 318,0 |
| Total power input | (4) | kW | 51,88 | 61,32 | 68,93 | 80,89 | 90,46 | 96,76 | 105,2 |
| Desuperheater heating capacity | (4) | kW | 40,59 | 49,32 | 56,36 | 63,72 | 72,57 | 78,40 | 86,24 |
| EXCHANGERS | | | | | | | | | |
| HEAT EXCHANGER USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (1) | l/s | 7,349 | 8,529 | 9,686 | 11,26 | 12,58 | 13,68 | 14,66 |
| Pressure drop at the heat exchanger | (1) | kPa | 20,3 | 27,3 | 44,0 | 40,9 | 51,1 | 32,7 | 37,6 |
| HEAT EXCHANGER USER SIDE IN HEATING | | | | | | | | | |
| Water flow | (3) | l/s | 7,873 | 9,154 | 10,46 | 12,31 | 13,59 | 14,70 | 15,64 |
| Pressure drop at the heat exchanger | (3) | kPa | 23,3 | 31,5 | 51,3 | 48,9 | 59,6 | 37,8 | 42,8 |
| PARTIAL RECOVERY USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (4) | l/s | 1,959 | 2,381 | 2,720 | 3,076 | 3,503 | 3,784 | 4,163 |
| Pressure drop at the heat exchanger | (4) | kPa | 15,7 | 23,1 | 30,2 | 30,7 | 39,8 | 37,1 | 44,9 |
| REFRIGERANT CIRCUIT | | | | | | | | | |
| Compressors nr. | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Number of capacity steps | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| No. Circuits | | N° | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Regulation | | | STEPS |
| Min. capacity step | | % | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Refrigerant | | | R454B |
| Refrigerant charge | | kg | 32,4 | 50,6 | 69,5 | 69,6 | 69,7 | 89,2 | 89,3 |
| Oil charge | | kg | 10,8 | 10,8 | 10,8 | 16,0 | 21,2 | 21,2 | 21,2 |
| Rc (ASHRAE) | (5) | kg/kW | 0,21 | 0,29 | 0,35 | 0,30 | 0,27 | 0,31 | 0,29 |
| FANS | | | | | | | | | |
| Quantity | | N° | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| Air flow | | m³/s | 19,48 | 22,92 | 22,30 | 29,22 | 29,22 | 32,51 | 32,51 |
| Fans power input | | kW | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 |
| NOISE LEVEL | | | | | | | | | |
| Sound Pressure | (6) | dB(A) | 73 | 72 | 73 | 74 | 75 | 75 | 75 |
| Sound power level in cooling | (7)(8) | dB(A) | 92 | 92 | 93 | 94 | 95 | 95 | 95 |
| Sound power level in heating | (7)(9) | dB(A) | 92 | 92 | 93 | 94 | 95 | 95 | 95 |
| SIZE AND WEIGHT | | | | | | | | | |
| A | (10) | mm | 3110 | 4110 | 4110 | 4110 | 4110 | 5110 | 5110 |
| B | (10) | mm | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 |
| H | (10) | mm | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 |
| Operating weight | (10) | kg | 1850 | 2070 | 2210 | 2470 | 2610 | 3090 | 3110 |

Notes:

- Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
- Values in compliance with EN14511
- Plant (side) heat exchanger water (in/out) 40,00°C/45,00°C; Source (side) heat exchanger air (in) 7,0°C - 87% R.H.
- Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
- Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- Sound power on the basis of measurements made in compliance with ISO 9614.
- Sound power level in cooling, outdoors.
- Sound power level in heating, outdoors.
- Unit in standard configuration/execution, without optional accessories.
- Not available
- Certified data in EUROVENT

GENERAL TECHNICAL DATA

NX-N-G06/LN-K

[SI System]

| NX-N-G06/LN-K | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | |
|--|--------|--|--------------|--------------|--------------|--------------|--------------|--------------|-------|
| Power supply | | V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 | | | | | | | |
| PERFORMANCE | | | | | | | | | |
| COOLING ONLY (GROSS VALUE) | | | | | | | | | |
| Cooling capacity | (1) | kW | 146,6 | 167,4 | 192,7 | 224,9 | 247,8 | 271,4 | 291,0 |
| Total power input | (1) | kW | 53,25 | 64,08 | 73,18 | 84,23 | 94,81 | 101,6 | 111,4 |
| EER | (1) | kW/kW | 2,750 | 2,612 | 2,633 | 2,671 | 2,614 | 2,671 | 2,612 |
| ESEER | (1) | kW/kW | | | | | | | |
| COOLING ONLY (EN14511 VALUE) | | | | | | | | | |
| Cooling capacity | (1)(2) | kW | 146,4 | 167,1 | 192,3 | 224,6 | 247,5 | 271,1 | 290,6 |
| EER | (1)(2) | kW/kW | 2,730 | 2,590 | 2,600 | 2,640 | 2,580 | 2,650 | 2,590 |
| ESEER | (1)(2) | kW/kW | - | - | - | - | - | - | - |
| Cooling energy class | | | - | - | - | - | - | - | - |
| HEATING ONLY (GROSS VALUE) | | | | | | | | | |
| Total heating capacity | (3) | kW | 155,4 | 180,7 | 208,1 | 239,7 | 266,7 | 291,5 | 309,3 |
| Total power input | (3) | kW | 48,38 | 57,75 | 65,85 | 76,99 | 85,17 | 91,97 | 98,34 |
| COP | (3) | kW/kW | 3,211 | 3,126 | 3,158 | 3,113 | 3,130 | 3,168 | 3,146 |
| HEATING ONLY (EN14511 VALUE) | | | | | | | | | |
| Total heating capacity | (3)(2) | kW | 155,7 | 181,0 | 208,4 | 240,0 | 267,1 | 291,8 | 309,7 |
| COP | (3)(2) | kW/kW | 3,190 | 3,100 | 3,120 | 3,080 | 3,090 | 3,140 | 3,120 |
| Cooling energy class | | | - | - | - | - | - | - | - |
| COOLING WITH PARTIAL RECOVERY | | | | | | | | | |
| Cooling capacity | (4) | kW | 152,1 | 173,7 | 199,9 | 233,4 | 257,1 | 281,6 | 301,9 |
| Total power input | (4) | kW | 51,55 | 62,00 | 70,78 | 81,53 | 91,74 | 98,30 | 107,7 |
| Desuperheater heating capacity | (4) | kW | 43,25 | 52,91 | 61,04 | 68,76 | 78,20 | 84,27 | 92,99 |
| EXCHANGERS | | | | | | | | | |
| HEAT EXCHANGER USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (1) | l/s | 7,012 | 8,005 | 9,213 | 10,76 | 11,85 | 12,98 | 13,91 |
| Pressure drop at the heat exchanger | (1) | kPa | 18,5 | 24,1 | 39,8 | 37,3 | 45,3 | 29,5 | 33,9 |
| HEAT EXCHANGER USER SIDE IN HEATING | | | | | | | | | |
| Water flow | (3) | l/s | 7,503 | 8,722 | 10,05 | 11,57 | 12,88 | 14,07 | 14,93 |
| Pressure drop at the heat exchanger | (3) | kPa | 21,2 | 28,6 | 47,3 | 43,2 | 53,5 | 34,6 | 39,0 |
| PARTIAL RECOVERY USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (4) | l/s | 2,088 | 2,554 | 2,946 | 3,319 | 3,775 | 4,068 | 4,489 |
| Pressure drop at the heat exchanger | (4) | kPa | 17,8 | 26,6 | 35,4 | 35,7 | 46,2 | 42,9 | 52,2 |
| REFRIGERANT CIRCUIT | | | | | | | | | |
| Compressors nr. | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Number of capacity steps | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| No. Circuits | | N° | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Regulation | | | STEPS | STEPS | STEPS | STEPS | STEPS | STEPS | STEPS |
| Min. capacity step | | % | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Refrigerant | | | R454B | R454B | R454B | R454B | R454B | R454B | R454B |
| Refrigerant charge | | kg | 32,4 | 50,6 | 69,5 | 69,6 | 69,7 | 89,2 | 89,3 |
| Oil charge | | kg | 10,8 | 10,8 | 10,8 | 16,0 | 21,2 | 21,2 | 21,2 |
| Rc (ASHRAE) | (5) | kg/kW | 0,22 | 0,31 | 0,36 | 0,31 | 0,28 | 0,33 | 0,31 |
| FANS | | | | | | | | | |
| Quantity | | N° | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| Air flow | | m³/s | 13,56 | 16,70 | 16,01 | 20,35 | 20,35 | 22,96 | 22,96 |
| Fans power input | | kW | 1,20 | 1,20 | 1,20 | 1,20 | 1,20 | 1,20 | 1,20 |
| NOISE LEVEL | | | | | | | | | |
| Sound Pressure | (6) | dB(A) | 67 | 66 | 67 | 68 | 69 | 70 | 70 |
| Sound power level in cooling | (7)(8) | dB(A) | 86 | 86 | 87 | 88 | 89 | 90 | 90 |
| Sound power level in heating | (7)(9) | dB(A) | 87 | 87 | 88 | 89 | 90 | 91 | 91 |
| SIZE AND WEIGHT | | | | | | | | | |
| A | (10) | mm | 3110 | 4110 | 4110 | 4110 | 4110 | 5110 | 5110 |
| B | (10) | mm | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 |
| H | (10) | mm | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 |
| Operating weight | (10) | kg | 1900 | 2120 | 2260 | 2520 | 2660 | 3130 | 3160 |

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
- 2 Values in compliance with EN14511
- 3 Plant (side) heat exchanger water (in/out) 40,00°C/45,00°C; Source (side) heat exchanger air (in) 7,0°C - 87% R.H.
- 4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
- 5 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 6 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 7 Sound power on the basis of measurements made in compliance with ISO 9614.
- 8 Sound power level in cooling, outdoors.
- 9 Sound power level in heating, outdoors.
- 10 Unit in standard configuration/execution, without optional accessories.
- Not available
- Certified data in EUROVENT

GENERAL TECHNICAL DATA

NX-N-G06/SL-K

[SI System]

| NX-N-G06/SL-K | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | |
|--|--------|--|--------------|--------------|--------------|--------------|--------------|--------------|-------|
| Power supply | | V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 | | | | | | | |
| PERFORMANCE | | | | | | | | | |
| COOLING ONLY (GROSS VALUE) | | | | | | | | | |
| Cooling capacity | (1) | kW | 142,1 | 168,5 | 193,6 | 222,7 | 245,4 | 269,8 | 291,2 |
| Total power input | (1) | kW | 54,04 | 64,12 | 73,78 | 82,41 | 93,71 | 103,3 | 111,6 |
| EER | (1) | kW/kW | 2,631 | 2,629 | 2,623 | 2,703 | 2,619 | 2,612 | 2,609 |
| ESEER | (1) | kW/kW | | | | | | | |
| COOLING ONLY (EN14511 VALUE) | | | | | | | | | |
| Cooling capacity | (1)(2) | kW | 141,9 | 168,2 | 193,3 | 222,4 | 245,1 | 269,5 | 290,9 |
| EER | (1)(2) | kW/kW | 2,610 | 2,600 | 2,590 | 2,670 | 2,590 | 2,590 | 2,590 |
| ESEER | (1)(2) | kW/kW | - | - | - | - | - | - | - |
| Cooling energy class | | | - | - | - | - | - | - | - |
| HEATING ONLY (GROSS VALUE) | | | | | | | | | |
| Total heating capacity | (3) | kW | 150,6 | 181,4 | 209,8 | 241,4 | 265,7 | 288,9 | 310,3 |
| Total power input | (3) | kW | 46,89 | 58,37 | 66,45 | 75,29 | 83,51 | 91,86 | 99,17 |
| COP | (3) | kW/kW | 3,211 | 3,106 | 3,155 | 3,206 | 3,182 | 3,144 | 3,128 |
| HEATING ONLY (EN14511 VALUE) | | | | | | | | | |
| Total heating capacity | (3)(2) | kW | 150,8 | 181,7 | 210,2 | 241,8 | 266,1 | 289,2 | 310,7 |
| COP | (3)(2) | kW/kW | 3,190 | 3,080 | 3,120 | 3,170 | 3,140 | 3,120 | 3,100 |
| Cooling energy class | | | - | - | - | - | - | - | - |
| COOLING WITH PARTIAL RECOVERY | | | | | | | | | |
| Cooling capacity | (4) | kW | 147,4 | 174,8 | 200,9 | 231,1 | 254,6 | 279,9 | 302,2 |
| Total power input | (4) | kW | 52,27 | 62,06 | 71,39 | 79,72 | 90,62 | 99,93 | 107,9 |
| Desuperheater heating capacity | (4) | kW | 45,02 | 52,41 | 61,04 | 68,74 | 78,83 | 85,78 | 92,43 |
| EXCHANGERS | | | | | | | | | |
| HEAT EXCHANGER USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (1) | l/s | 6,796 | 8,057 | 9,259 | 10,65 | 11,74 | 12,90 | 13,93 |
| Pressure drop at the heat exchanger | (1) | kPa | 17,4 | 24,4 | 40,2 | 36,6 | 44,5 | 29,1 | 33,9 |
| HEAT EXCHANGER USER SIDE IN HEATING | | | | | | | | | |
| Water flow | (3) | l/s | 7,270 | 8,757 | 10,13 | 11,65 | 12,83 | 13,94 | 14,98 |
| Pressure drop at the heat exchanger | (3) | kPa | 19,9 | 28,8 | 48,1 | 43,8 | 53,1 | 34,0 | 39,3 |
| PARTIAL RECOVERY USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (4) | l/s | 2,173 | 2,530 | 2,946 | 3,318 | 3,805 | 4,141 | 4,462 |
| Pressure drop at the heat exchanger | (4) | kPa | 19,3 | 26,1 | 35,4 | 35,7 | 46,9 | 44,4 | 51,6 |
| REFRIGERANT CIRCUIT | | | | | | | | | |
| Compressors nr. | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Number of capacity steps | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| No. Circuits | | N° | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Regulation | | | STEPS | STEPS | STEPS | STEPS | STEPS | STEPS | STEPS |
| Min. capacity step | | % | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Refrigerant | | | R454B | R454B | R454B | R454B | R454B | R454B | R454B |
| Refrigerant charge | | kg | 32,4 | 50,6 | 69,5 | 69,6 | 69,7 | 89,2 | 89,3 |
| Oil charge | | kg | 10,8 | 10,8 | 10,8 | 16,0 | 21,2 | 21,2 | 21,2 |
| Rc (ASHRAE) | (5) | kg/kW | 0,23 | 0,30 | 0,36 | 0,32 | 0,29 | 0,33 | 0,31 |
| FANS | | | | | | | | | |
| Quantity | | N° | 2 | 3 | 3 | 3 | 3 | 4 | 4 |
| Air flow | | m³/s | 10,67 | 17,35 | 16,01 | 18,15 | 18,15 | 21,34 | 23,55 |
| Fans power input | | kW | 0,90 | 0,90 | 0,90 | 0,90 | 0,90 | 0,90 | 1,00 |
| NOISE LEVEL | | | | | | | | | |
| Sound Pressure | (6) | dB(A) | 63 | 63 | 63 | 64 | 65 | 66 | 67 |
| Sound power level in cooling | (7)(8) | dB(A) | 82 | 83 | 83 | 84 | 85 | 86 | 87 |
| Sound power level in heating | (7)(9) | dB(A) | 83 | 84 | 84 | 85 | 86 | 87 | 88 |
| SIZE AND WEIGHT | | | | | | | | | |
| A | (10) | mm | 3110 | 4110 | 4110 | 5110 | 5110 | 5110 | 5110 |
| B | (10) | mm | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 |
| H | (10) | mm | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 |
| Operating weight | (10) | kg | 1900 | 2200 | 2340 | 2790 | 2940 | 3260 | 3290 |

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
- 2 Values in compliance with EN14511
- 3 Plant (side) heat exchanger water (in/out) 40,00°C/45,00°C; Source (side) heat exchanger air (in) 7,0°C - 87% R.H.
- 4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
- 5 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 6 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 7 Sound power on the basis of measurements made in compliance with ISO 9614.
- 8 Sound power level in cooling, outdoors.
- 9 Sound power level in heating, outdoors.
- 10 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

NX-N-G06/CA

[SI System]

| NX-N-G06/CA | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | |
|--|--------|--|--------------|--------------|--------------|--------------|--------------|--------------|-------|
| Power supply | | V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 | | | | | | | |
| PERFORMANCE | | | | | | | | | |
| COOLING ONLY (GROSS VALUE) | | | | | | | | | |
| Cooling capacity | (1) | kW | 157,5 | 183,1 | 213,5 | 243,2 | 271,8 | 297,7 | 321,9 |
| Total power input | (1) | kW | 52,37 | 60,61 | 69,50 | 80,19 | 90,09 | 98,55 | 106,5 |
| EER | (1) | kW/kW | 3,006 | 3,021 | 3,072 | 3,032 | 3,017 | 3,022 | 3,023 |
| ESEER | (1) | kW/kW | | | | | | | |
| COOLING ONLY (EN14511 VALUE) | | | | | | | | | |
| Cooling capacity | (1)(2) | kW | 157,3 | 182,8 | 213,1 | 242,9 | 271,5 | 297,4 | 321,5 |
| EER | (1)(2) | kW/kW | 2,980 | 2,990 | 3,020 | 2,990 | 2,990 | 2,990 | 2,990 |
| ESEER | (1)(2) | kW/kW | - | - | - | - | - | - | - |
| Cooling energy class | | | - | - | - | - | - | - | - |
| HEATING ONLY (GROSS VALUE) | | | | | | | | | |
| Total heating capacity | (3) | kW | 161,2 | 187,1 | 223,3 | 249,8 | 275,3 | 309,3 | 328,7 |
| Total power input | (3) | kW | 48,62 | 56,41 | 67,17 | 75,23 | 83,09 | 93,24 | 99,13 |
| COP | (3) | kW/kW | 3,317 | 3,317 | 3,323 | 3,322 | 3,313 | 3,319 | 3,317 |
| HEATING ONLY (EN14511 VALUE) | | | | | | | | | |
| Total heating capacity | (3)(2) | kW | 161,4 | 187,4 | 223,7 | 250,2 | 275,6 | 309,7 | 329,1 |
| COP | (3)(2) | kW/kW | 3,290 | 3,290 | 3,280 | 3,280 | 3,280 | 3,280 | 3,280 |
| Cooling energy class | | | - | - | - | - | - | - | - |
| COOLING WITH PARTIAL RECOVERY | | | | | | | | | |
| Cooling capacity | (4) | kW | 163,5 | 190,0 | 221,5 | 252,3 | 282,0 | 308,9 | 334,0 |
| Total power input | (4) | kW | 50,82 | 58,77 | 67,49 | 77,80 | 87,36 | 95,66 | 103,3 |
| Desuperheater heating capacity | (4) | kW | 39,60 | 46,96 | 51,33 | 60,87 | 69,71 | 73,68 | 80,79 |
| EXCHANGERS | | | | | | | | | |
| HEAT EXCHANGER USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (1) | l/s | 7,534 | 8,757 | 10,21 | 11,63 | 13,00 | 14,24 | 15,39 |
| Pressure drop at the heat exchanger | (1) | kPa | 21,3 | 28,8 | 48,9 | 43,6 | 29,6 | 35,5 | 41,5 |
| HEAT EXCHANGER USER SIDE IN HEATING | | | | | | | | | |
| Water flow | (3) | l/s | 7,780 | 9,031 | 10,78 | 12,06 | 13,29 | 14,93 | 15,87 |
| Pressure drop at the heat exchanger | (3) | kPa | 22,7 | 30,7 | 54,5 | 46,9 | 30,9 | 39,0 | 44,1 |
| PARTIAL RECOVERY USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (4) | l/s | 1,912 | 2,267 | 2,478 | 2,938 | 3,365 | 3,557 | 3,900 |
| Pressure drop at the heat exchanger | (4) | kPa | 14,9 | 21,0 | 25,1 | 28,0 | 36,7 | 32,8 | 39,4 |
| REFRIGERANT CIRCUIT | | | | | | | | | |
| Compressors nr. | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Number of capacity steps | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| No. Circuits | | N° | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Regulation | | | STEPS | STEPS | STEPS | STEPS | STEPS | STEPS | STEPS |
| Min. capacity step | | % | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Refrigerant | | | R454B | R454B | R454B | R454B | R454B | R454B | R454B |
| Refrigerant charge | | kg | 40,5 | 62,8 | 81,4 | 81,5 | 81,5 | 104 | 104 |
| Oil charge | | kg | 10,8 | 10,8 | 10,8 | 16,0 | 21,2 | 21,2 | 21,2 |
| Rc (ASHRAE) | (5) | kg/kW | 0,26 | 0,35 | 0,39 | 0,34 | 0,30 | 0,35 | 0,32 |
| FANS | | | | | | | | | |
| Quantity | | N° | 2 | 2 | 3 | 3 | 3 | 4 | 4 |
| Air flow | | m³/s | 22,92 | 22,30 | 32,51 | 32,51 | 32,51 | 42,49 | 42,49 |
| Fans power input | | kW | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 |
| NOISE LEVEL | | | | | | | | | |
| Sound Pressure | (6) | dB(A) | 72 | 72 | 74 | 74 | 75 | 77 | 77 |
| Sound power level in cooling | (7)(8) | dB(A) | 92 | 92 | 94 | 94 | 95 | 97 | 97 |
| Sound power level in heating | (7)(9) | dB(A) | 92 | 92 | 94 | 94 | 95 | 97 | 97 |
| SIZE AND WEIGHT | | | | | | | | | |
| A | (10) | mm | 4110 | 4110 | 5110 | 5110 | 5110 | 6110 | 6110 |
| B | (10) | mm | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 |
| H | (10) | mm | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 |
| Operating weight | (10) | kg | 2100 | 2240 | 2630 | 2790 | 3100 | 3580 | 3580 |

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
- 2 Values in compliance with EN14511
- 3 Plant (side) heat exchanger water (in/out) 40,00°C/45,00°C; Source (side) heat exchanger air (in) 7,0°C - 87% R.H.
- 4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
- 5 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 6 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 7 Sound power on the basis of measurements made in compliance with ISO 9614.
- 8 Sound power level in cooling, outdoors.
- 9 Sound power level in heating, outdoors.
- 10 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

NX-N-G06/LN-CA

[SI System]

| NX-N-G06/LN-CA | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | |
|--|--------|--|--------------|--------------|--------------|--------------|--------------|--------------|-------|
| Power supply | | V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 | | | | | | | |
| PERFORMANCE | | | | | | | | | |
| COOLING ONLY (GROSS VALUE) | | | | | | | | | |
| Cooling capacity | (1) | kW | 152,3 | 179,9 | 207,4 | 237,9 | 265,4 | 288,4 | 311,7 |
| Total power input | (1) | kW | 50,27 | 58,47 | 66,21 | 77,01 | 87,62 | 94,19 | 102,2 |
| EER | (1) | kW/kW | 3,028 | 3,075 | 3,133 | 3,090 | 3,030 | 3,062 | 3,050 |
| ESEER | (1) | kW/kW | | | | | | | |
| COOLING ONLY (EN14511 VALUE) | | | | | | | | | |
| Cooling capacity | (1)(2) | kW | 152,1 | 179,5 | 207,0 | 237,6 | 265,1 | 288,1 | 311,3 |
| EER | (1)(2) | kW/kW | 3,000 | 3,040 | 3,080 | 3,050 | 3,000 | 3,030 | 3,010 |
| ESEER | (1)(2) | kW/kW | - | - | - | - | - | - | - |
| Cooling energy class | | | - | - | - | - | - | - | - |
| HEATING ONLY (GROSS VALUE) | | | | | | | | | |
| Total heating capacity | (3) | kW | 159,8 | 195,0 | 224,3 | 258,3 | 285,7 | 309,0 | 336,8 |
| Total power input | (3) | kW | 47,56 | 58,84 | 67,11 | 77,78 | 86,13 | 92,84 | 101,4 |
| COP | (3) | kW/kW | 3,357 | 3,316 | 3,343 | 3,320 | 3,318 | 3,330 | 3,321 |
| HEATING ONLY (EN14511 VALUE) | | | | | | | | | |
| Total heating capacity | (3)(2) | kW | 160,0 | 195,3 | 224,7 | 258,7 | 286,0 | 309,4 | 337,2 |
| COP | (3)(2) | kW/kW | 3,330 | 3,280 | 3,290 | 3,280 | 3,290 | 3,300 | 3,280 |
| Cooling energy class | | | - | - | - | - | - | - | - |
| COOLING WITH PARTIAL RECOVERY | | | | | | | | | |
| Cooling capacity | (4) | kW | 158,0 | 186,6 | 215,1 | 246,9 | 275,4 | 299,2 | 323,4 |
| Total power input | (4) | kW | 48,64 | 56,62 | 64,09 | 74,58 | 84,81 | 91,15 | 98,99 |
| Desuperheater heating capacity | (4) | kW | 41,55 | 47,21 | 54,12 | 62,10 | 71,57 | 77,44 | 82,96 |
| EXCHANGERS | | | | | | | | | |
| HEAT EXCHANGER USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (1) | l/s | 7,282 | 8,601 | 9,916 | 11,38 | 12,69 | 13,79 | 14,91 |
| Pressure drop at the heat exchanger | (1) | kPa | 19,9 | 27,8 | 46,1 | 41,8 | 28,2 | 33,3 | 38,9 |
| HEAT EXCHANGER USER SIDE IN HEATING | | | | | | | | | |
| Water flow | (3) | l/s | 7,711 | 9,412 | 10,83 | 12,47 | 13,79 | 14,92 | 16,26 |
| Pressure drop at the heat exchanger | (3) | kPa | 22,3 | 33,3 | 55,0 | 50,2 | 33,3 | 38,9 | 46,2 |
| PARTIAL RECOVERY USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (4) | l/s | 2,006 | 2,279 | 2,612 | 2,998 | 3,455 | 3,738 | 4,005 |
| Pressure drop at the heat exchanger | (4) | kPa | 16,4 | 21,2 | 27,9 | 29,1 | 38,7 | 36,2 | 41,6 |
| REFRIGERANT CIRCUIT | | | | | | | | | |
| Compressors nr. | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Number of capacity steps | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| No. Circuits | | N° | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Regulation | | | STEPS | STEPS | STEPS | STEPS | STEPS | STEPS | STEPS |
| Min. capacity step | | % | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Refrigerant | | | R454B | R454B | R454B | R454B | R454B | R454B | R454B |
| Refrigerant charge | | kg | 40,5 | 62,8 | 81,4 | 81,5 | 81,5 | 104 | 104 |
| Oil charge | | kg | 10,8 | 10,8 | 10,8 | 16,0 | 21,2 | 21,2 | 21,2 |
| Rc (ASHRAE) | (5) | kg/kW | 0,27 | 0,35 | 0,40 | 0,35 | 0,31 | 0,36 | 0,34 |
| FANS | | | | | | | | | |
| Quantity | | N° | 2 | 3 | 3 | 4 | 4 | 4 | 5 |
| Air flow | | m³/s | 17,02 | 21,67 | 23,99 | 28,89 | 28,89 | 31,47 | 36,11 |
| Fans power input | | kW | 0,93 | 0,93 | 0,93 | 0,93 | 0,93 | 0,93 | 0,93 |
| NOISE LEVEL | | | | | | | | | |
| Sound Pressure | (6) | dB(A) | 66 | 67 | 68 | 69 | 70 | 70 | 71 |
| Sound power level in cooling | (7)(8) | dB(A) | 86 | 87 | 88 | 89 | 90 | 90 | 91 |
| Sound power level in heating | (7)(9) | dB(A) | 87 | 88 | 89 | 90 | 91 | 91 | 92 |
| SIZE AND WEIGHT | | | | | | | | | |
| A | (10) | mm | 4110 | 4110 | 5110 | 5110 | 5110 | 6110 | 6110 |
| B | (10) | mm | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 |
| H | (10) | mm | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 |
| Operating weight | (10) | kg | 2100 | 2320 | 2630 | 2890 | 3200 | 3550 | 3660 |

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
- 2 Values in compliance with EN14511
- 3 Plant (side) heat exchanger water (in/out) 40,00°C/45,00°C; Source (side) heat exchanger air (in) 7,0°C - 87% R.H.
- 4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
- 5 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 6 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 7 Sound power on the basis of measurements made in compliance with ISO 9614.
- 8 Sound power level in cooling, outdoors.
- 9 Sound power level in heating, outdoors.
- 10 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

NX-N-G06/SL-CA

[SI System]

| NX-N-G06/SL-CA | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | |
|--|--------|--|--------------|--------------|--------------|--------------|--------------|--------------|-------|
| Power supply | | V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 | | | | | | | |
| PERFORMANCE | | | | | | | | | |
| COOLING ONLY (GROSS VALUE) | | | | | | | | | |
| Cooling capacity | (1) | kW | 151,4 | 178,1 | 206,9 | 234,9 | 263,8 | 286,7 | 311,2 |
| Total power input | (1) | kW | 49,98 | 58,78 | 66,45 | 77,27 | 86,73 | 94,35 | 102,6 |
| EER | (1) | kW/kW | 3,028 | 3,029 | 3,116 | 3,039 | 3,043 | 3,040 | 3,033 |
| ESEER | (1) | kW/kW | | | | | | | |
| COOLING ONLY (EN14511 VALUE) | | | | | | | | | |
| Cooling capacity | (1)(2) | kW | 151,2 | 177,8 | 206,6 | 234,6 | 263,5 | 286,3 | 310,9 |
| EER | (1)(2) | kW/kW | 3,000 | 3,000 | 3,070 | 3,000 | 3,010 | 3,010 | 3,000 |
| ESEER | (1)(2) | kW/kW | - | - | - | - | - | - | - |
| Cooling energy class | | | - | - | - | - | - | - | - |
| HEATING ONLY (GROSS VALUE) | | | | | | | | | |
| Total heating capacity | (3) | kW | 159,1 | 190,7 | 223,4 | 252,2 | 281,5 | 305,6 | 334,6 |
| Total power input | (3) | kW | 46,87 | 57,35 | 67,12 | 75,77 | 84,34 | 92,15 | 100,5 |
| COP | (3) | kW/kW | 3,392 | 3,328 | 3,329 | 3,327 | 3,339 | 3,318 | 3,329 |
| HEATING ONLY (EN14511 VALUE) | | | | | | | | | |
| Total heating capacity | (3)(2) | kW | 159,3 | 191,0 | 223,8 | 252,5 | 281,9 | 306,0 | 335,0 |
| COP | (3)(2) | kW/kW | 3,370 | 3,300 | 3,280 | 3,290 | 3,310 | 3,280 | 3,290 |
| Cooling energy class | | | - | - | - | - | - | - | - |
| COOLING WITH PARTIAL RECOVERY | | | | | | | | | |
| Cooling capacity | (4) | kW | 157,1 | 184,8 | 214,7 | 243,7 | 273,7 | 297,4 | 322,9 |
| Total power input | (4) | kW | 48,33 | 56,87 | 64,32 | 74,76 | 83,89 | 91,28 | 99,33 |
| Desuperheater heating capacity | (4) | kW | 41,88 | 48,72 | 54,31 | 63,98 | 72,42 | 78,14 | 84,02 |
| EXCHANGERS | | | | | | | | | |
| HEAT EXCHANGER USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (1) | l/s | 7,239 | 8,516 | 9,896 | 11,23 | 12,62 | 13,71 | 14,88 |
| Pressure drop at the heat exchanger | (1) | kPa | 19,7 | 27,3 | 45,9 | 40,7 | 27,8 | 32,9 | 38,8 |
| HEAT EXCHANGER USER SIDE IN HEATING | | | | | | | | | |
| Water flow | (3) | l/s | 7,680 | 9,204 | 10,79 | 12,17 | 13,59 | 14,75 | 16,15 |
| Pressure drop at the heat exchanger | (3) | kPa | 22,2 | 31,8 | 54,6 | 47,8 | 32,3 | 38,1 | 45,6 |
| PARTIAL RECOVERY USER SIDE IN REFRIGERATION | | | | | | | | | |
| Water flow | (4) | l/s | 2,022 | 2,352 | 2,622 | 3,088 | 3,496 | 3,772 | 4,056 |
| Pressure drop at the heat exchanger | (4) | kPa | 16,7 | 22,6 | 28,1 | 30,9 | 39,6 | 36,9 | 42,6 |
| REFRIGERANT CIRCUIT | | | | | | | | | |
| Compressors nr. | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Number of capacity steps | | N° | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| No. Circuits | | N° | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Regulation | | | STEPS | STEPS | STEPS | STEPS | STEPS | STEPS | STEPS |
| Min. capacity step | | % | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Refrigerant | | | R454B | R454B | R454B | R454B | R454B | R454B | R454B |
| Refrigerant charge | | kg | 40,5 | 62,8 | 81,4 | 81,5 | 95,4 | 104 | 104 |
| Oil charge | | kg | 10,8 | 10,8 | 10,8 | 16,0 | 21,2 | 21,2 | 21,2 |
| Rc (ASHRAE) | (5) | kg/kW | 0,27 | 0,36 | 0,40 | 0,35 | 0,37 | 0,36 | 0,34 |
| FANS | | | | | | | | | |
| Quantity | | N° | 3 | 3 | 4 | 4 | 4 | 4 | 5 |
| Air flow | | m³/s | 16,32 | 17,66 | 23,55 | 23,55 | 26,09 | 29,92 | 33,91 |
| Fans power input | | kW | 0,51 | 0,70 | 0,70 | 0,70 | 0,70 | 0,85 | 0,85 |
| NOISE LEVEL | | | | | | | | | |
| Sound Pressure | (6) | dB(A) | 63 | 63 | 64 | 65 | 66 | 67 | 68 |
| Sound power level in cooling | (7)(8) | dB(A) | 83 | 83 | 84 | 85 | 86 | 87 | 88 |
| Sound power level in heating | (7)(9) | dB(A) | 84 | 84 | 85 | 86 | 87 | 88 | 89 |
| SIZE AND WEIGHT | | | | | | | | | |
| A | (10) | mm | 4110 | 4110 | 5110 | 5110 | 6110 | 6110 | 6110 |
| B | (10) | mm | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 | 2220 |
| H | (10) | mm | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 | 2150 |
| Operating weight | (10) | kg | 2180 | 2320 | 2730 | 2890 | 3500 | 3550 | 3660 |

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
- 2 Values in compliance with EN14511
- 3 Plant (side) heat exchanger water (in/out) 40,00°C/45,00°C; Source (side) heat exchanger air (in) 7,0°C - 87% R.H.
- 4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.
- 5 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 6 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 7 Sound power on the basis of measurements made in compliance with ISO 9614.
- 8 Sound power level in cooling, outdoors.
- 9 Sound power level in heating, outdoors.
- 10 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

6.1 TECHNICAL DATA SEASONAL EFFICIENCY IN HEATING (EN14825 VALUE)

NX-N-G06

[SI System]

| NX-N-G06 - LOW TEMPERATURE application | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T |
|--|--------|-----------|----------|----------|----------|----------|----------|----------|
| Power supply | | (V/ph/Hz) | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | | | | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 121 | 140 | 162 | 190 | 213 | 229 |
| Bivalent temperature | (1)(2) | °C | -7 | -7 | -7 | -7 | -7 | -7 |
| SCOP | (1)(2) | | 3,53 | 3,55 | 3,54 | 3,46 | 3,51 | 3,53 |
| Seasonal space heating energy efficiency | (1)(2) | % | 138 | 139 | 138 | 136 | 137 | 138 |
| Seasonal space heating energy efficiency class | (1)(2) | | - | - | - | - | - | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

| NX-N-G06 - LOW TEMPERATURE application | | | 1204T |
|--|--------|-----------|----------|
| Power supply | | (V/ph/Hz) | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 246 |
| Bivalent temperature | (1)(2) | °C | -7 |
| SCOP | (1)(2) | | 3,48 |
| Seasonal space heating energy efficiency | (1)(2) | % | 136 |
| Seasonal space heating energy efficiency class | (1)(2) | | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

**TECHNICAL DATA SEASONAL
EFFICIENCY IN HEATING (EN14825
VALUE)**

NX-N-G06/LN-K

[SI System]

| NX-N-G06/LN-K - LOW TEMPERATURE application | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T |
|--|--------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| Power supply | | (V/ph/Hz) | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | | | | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 119 | 127 | 161 | 185 | 210 | 226 |
| Bivalent temperature | (1)(2) | °C | -7 | -7 | -7 | -7 | -7 | -7 |
| SCOP | (1)(2) | | 3,65 | 3,61 | 3,85 | 3,68 | 3,67 | 3,73 |
| Seasonal space heating energy efficiency | (1)(2) | % | 143 | 141 | 151 | 144 | 144 | 146 |
| Seasonal space heating energy efficiency class | (1)(2) | | - | - | - | - | - | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

| NX-N-G06/LN-K - LOW TEMPERATURE application | | | 1204T |
|--|--------|-----------|--------------|
| Power supply | | (V/ph/Hz) | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 242 |
| Bivalent temperature | (1)(2) | °C | -7 |
| SCOP | (1)(2) | | 3,76 |
| Seasonal space heating energy efficiency | (1)(2) | % | 147 |
| Seasonal space heating energy efficiency class | (1)(2) | | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

**TECHNICAL DATA SEASONAL
EFFICIENCY IN HEATING (EN14825
VALUE)**

NX-N-G06/SL-K

[SI System]

| NX-N-G06/SL-K - LOW TEMPERATURE application | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T |
|--|--------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| Power supply | | (V/ph/Hz) | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | | | | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 118 | 129 | 162 | 186 | 207 | 225 |
| Bivalent temperature | (1)(2) | °C | -7 | -7 | -7 | -7 | -7 | -7 |
| SCOP | (1)(2) | | 3,79 | 3,53 | 3,80 | 3,91 | 3,79 | 3,71 |
| Seasonal space heating energy efficiency | (1)(2) | % | 149 | 138 | 149 | 153 | 149 | 145 |
| Seasonal space heating energy efficiency class | (1)(2) | | - | - | - | - | - | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

| NX-N-G06/SL-K - LOW TEMPERATURE application | | | 1204T |
|--|--------|-----------|--------------|
| Power supply | | (V/ph/Hz) | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 243 |
| Bivalent temperature | (1)(2) | °C | -7 |
| SCOP | (1)(2) | | 3,73 |
| Seasonal space heating energy efficiency | (1)(2) | % | 146 |
| Seasonal space heating energy efficiency class | (1)(2) | | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

**TECHNICAL DATA SEASONAL
EFFICIENCY IN HEATING (EN14825
VALUE)**

NX-N-G06/CA

[SI System]

| NX-N-G06/CA - LOW TEMPERATURE application | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T |
|--|--------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| Power supply | | (V/ph/Hz) | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | | | | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 115 | 142 | 167 | 189 | 211 | 233 |
| Bivalent temperature | (1)(2) | °C | -7 | -7 | -7 | -7 | -7 | -7 |
| SCOP | (1)(2) | | 3,80 | 4,02 | 3,96 | 4,02 | 3,94 | 3,87 |
| Seasonal space heating energy efficiency | (1)(2) | % | 149 | 158 | 155 | 158 | 154 | 152 |
| Seasonal space heating energy efficiency class | (1)(2) | | - | - | - | - | - | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

| NX-N-G06/CA - LOW TEMPERATURE application | | | 1204T |
|--|--------|-----------|--------------|
| Power supply | | (V/ph/Hz) | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 250 |
| Bivalent temperature | (1)(2) | °C | -7 |
| SCOP | (1)(2) | | 3,91 |
| Seasonal space heating energy efficiency | (1)(2) | % | 154 |
| Seasonal space heating energy efficiency class | (1)(2) | | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

**TECHNICAL DATA SEASONAL
EFFICIENCY IN HEATING (EN14825
VALUE)**

NX-N-G06/LN-CA

[SI System]

| NX-N-G06/LN-CA - LOW TEMPERATURE application | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T |
|---|--------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| Power supply | | (V/ph/Hz) | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | | | | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 114 | 145 | 168 | 193 | 215 | 232 |
| Bivalent temperature | (1)(2) | °C | -7 | -7 | -7 | -7 | -7 | -7 |
| SCOP | (1)(2) | | 4,03 | 4,06 | 4,18 | 4,13 | 4,02 | 4,08 |
| Seasonal space heating energy efficiency | (1)(2) | % | 158 | 160 | 164 | 162 | 158 | 160 |
| Seasonal space heating energy efficiency class | (1)(2) | | - | - | - | - | - | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

| NX-N-G06/LN-CA - LOW TEMPERATURE application | | | 1204T |
|---|--------|-----------|--------------|
| Power supply | | (V/ph/Hz) | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 253 |
| Bivalent temperature | (1)(2) | °C | -7 |
| SCOP | (1)(2) | | 4,03 |
| Seasonal space heating energy efficiency | (1)(2) | % | 158 |
| Seasonal space heating energy efficiency class | (1)(2) | | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

**TECHNICAL DATA SEASONAL
EFFICIENCY IN HEATING (EN14825
VALUE)**

NX-N-G06/SL-CA

[SI System]

| NX-N-G06/SL-CA - LOW TEMPERATURE application | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T |
|---|--------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| Power supply | | (V/ph/Hz) | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | | | | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 112 | 144 | 167 | 190 | 212 | 231 |
| Bivalent temperature | (1)(2) | °C | -7 | -7 | -7 | -7 | -7 | -7 |
| SCOP | (1)(2) | | 3,92 | 4,10 | 4,08 | 4,15 | 4,03 | 4,06 |
| Seasonal space heating energy efficiency | (1)(2) | % | 154 | 161 | 160 | 163 | 158 | 159 |
| Seasonal space heating energy efficiency class | (1)(2) | | - | - | - | - | - | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

| NX-N-G06/SL-CA - LOW TEMPERATURE application | | | 1204T |
|---|--------|-----------|--------------|
| Power supply | | (V/ph/Hz) | 400/3/50 |
| WEATHER CONDITIONS - AVERAGE | | | |
| Rated heat output at Tdesignh | (1)(2) | kW | 252 |
| Bivalent temperature | (1)(2) | °C | -7 |
| SCOP | (1)(2) | | 4,05 |
| Seasonal space heating energy efficiency | (1)(2) | % | 159 |
| Seasonal space heating energy efficiency class | (1)(2) | | - |

1 Seasonal space heating energy efficiency class LOW TEMPERATURE [REGULATION (EU) N. 813/2013]

2 Tipo di calcolo con portata variabile e temperatura variabile.

7.1 TECHNICAL DATA SEASONAL EFFICIENCY IN COOLING (EN14825 VALUE)

[SI System]

ENERGY EFFICIENCY

SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)

Ambient refrigeration

| NX-N-G06 | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | | | |
|----------------------|---------|----|-------|-------|-------|-------|-------|-------|-------|--|--|--|
| Prated,c | (1) | kW | 153,5 | 178,0 | 202,2 | 235,1 | 262,8 | 285,7 | 306,1 | | | |
| SEER | (1) (2) | - | 3,75 | 3,93 | 3,96 | 3,87 | 3,92 | 3,99 | 3,95 | | | |
| Performance η_s | (1) (3) | % | 147,0 | 154,0 | 155,0 | 152,0 | 154,0 | 157,0 | 155,0 | | | |
| NX-N-G06/LN-K | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | | | |
| Prated,c | (1) | kW | 146,4 | 167,1 | 192,3 | 224,6 | 247,5 | 271,1 | 290,6 | | | |
| SEER | (1) (2) | - | 3,81 | 3,97 | 3,98 | 3,97 | 3,93 | 3,99 | 3,92 | | | |
| Performance η_s | (1) (3) | % | 149,0 | 156,0 | 156,0 | 156,0 | 154,0 | 156,0 | 154,0 | | | |
| NX-N-G06/SL-K | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | | | |
| Prated,c | (1) | kW | 141,9 | 168,2 | 193,3 | 222,4 | 245,1 | 269,5 | 290,9 | | | |
| SEER | (1) (2) | - | 3,88 | 3,95 | 3,96 | 4,02 | 4,03 | 3,98 | 3,94 | | | |
| Performance η_s | (1) (3) | % | 152,0 | 155,0 | 155,0 | 158,0 | 158,0 | 156,0 | 154,0 | | | |
| NX-N-G06/CA | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | | | |
| Prated,c | (1) | kW | 157,3 | 182,8 | 213,1 | 242,9 | 271,5 | 297,4 | 321,5 | | | |
| SEER | (1) (2) | - | 3,99 | 4,18 | 4,11 | 4,17 | 4,20 | 4,10 | 4,08 | | | |
| Performance η_s | (1) (3) | % | 157,0 | 164,0 | 161,0 | 164,0 | 165,0 | 161,0 | 160,0 | | | |
| NX-N-G06/LN-CA | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | | | |
| Prated,c | (1) | kW | 152,1 | 179,5 | 207,0 | 237,6 | 265,1 | 288,1 | 311,3 | | | |
| SEER | (1) (2) | - | 4,13 | 4,23 | 4,21 | 4,21 | 4,26 | 4,25 | 4,16 | | | |
| Performance η_s | (1) (3) | % | 162,0 | 166,0 | 166,0 | 166,0 | 167,0 | 167,0 | 163,0 | | | |
| NX-N-G06/SL-CA | | | 0604T | 0704T | 0804T | 0904T | 1004T | 1104T | 1204T | | | |
| Prated,c | (1) | kW | 151,2 | 177,8 | 206,6 | 234,6 | 263,5 | 286,3 | 310,9 | | | |
| SEER | (1) (2) | - | 4,17 | 4,29 | 4,24 | 4,30 | 4,32 | 4,28 | 4,18 | | | |
| Performance η_s | (1) (3) | % | 164,0 | 169,0 | 167,0 | 169,0 | 170,0 | 168,0 | 164,0 | | | |

Notes:

(1) Parameter calculated according to [REGULATION (EU) N. 2016/2281]

(2) Seasonal energy efficiency ratio

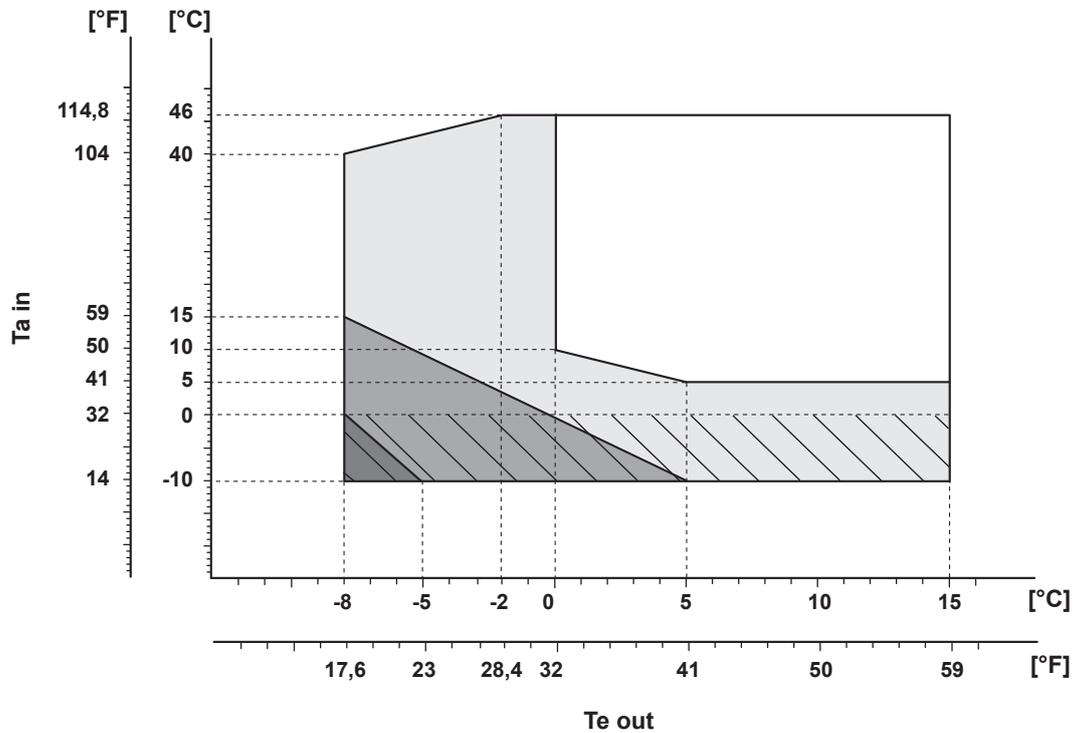
(3) Seasonal space cooling energy efficiency

The units highlighted in this publication contain R454B [GWP₁₀₀ 466] fluorinated greenhouse gases.

Certified data in EUROVENT

8.1 OPERATING LIMITS

COOLING



Ta in Outdoor air temperature

Te out Plant (side) cooling exchanger water temperature



Pressostatic control DP option (801) required (Only for /K version)



DVV option (code 802) required or EC fans (code 808) required



DVVF option (819) required or EC fans (code 808) required

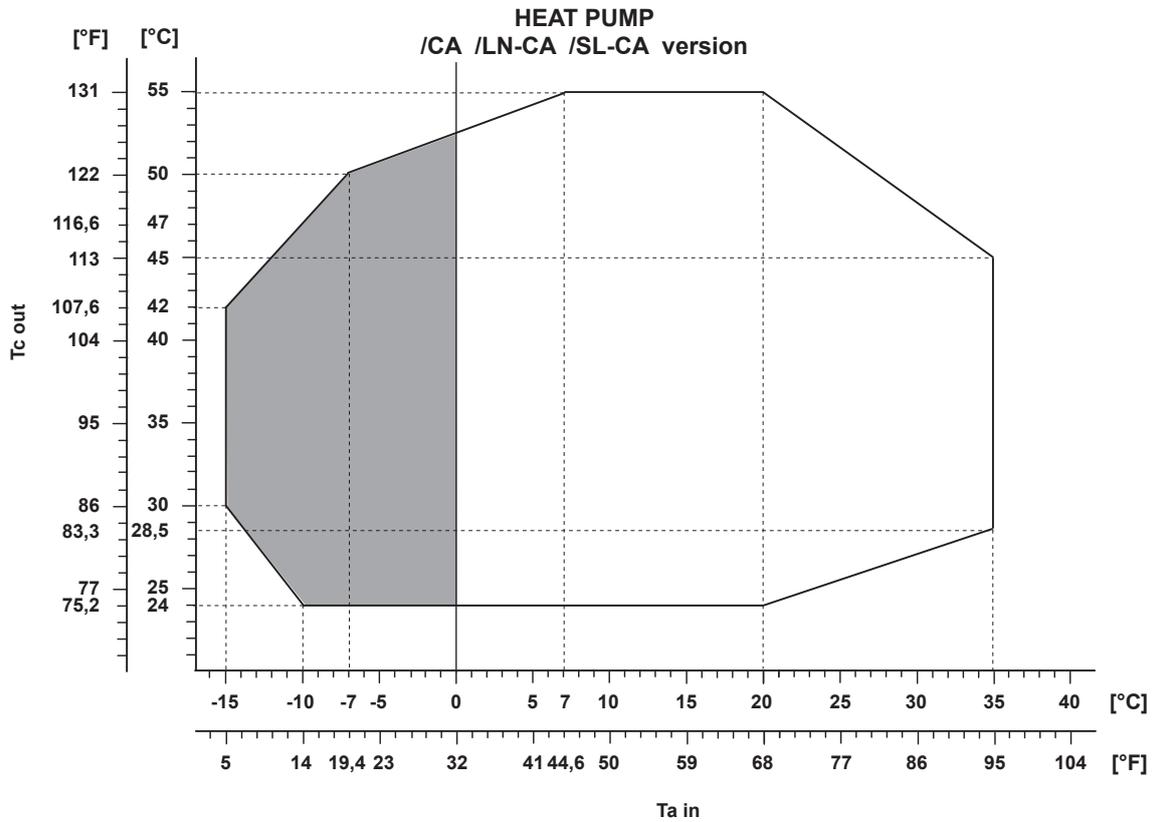
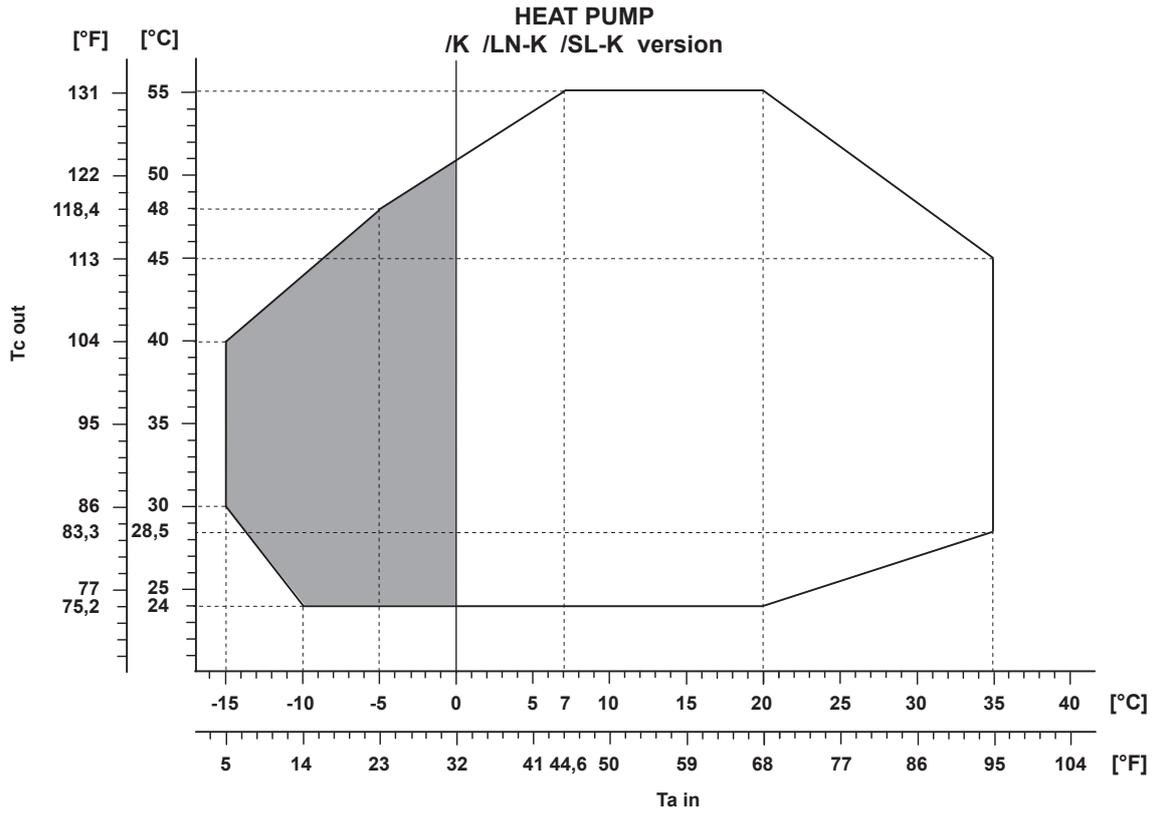


DVV2F option (821) required or EC fans (code 808) required



Antifreeze on pipes + pumps option (2432) required if hydronic kit is present

OPERATING LIMITS



- Ta in Outdoor air temperature
- Tc out Plant (side) heat exchanger water
- Coil antifreeze heaters option (814) required
- Antifreeze on pipes + pumps option (2432) required if hydronic kit is present
- Antifreeze on pipes + pumps + tank option (2433) required if hydronic kit is present

OPERATING LIMITS

NX-N-G06 0604T - 1204T

| SIZE | |
|--------------------------|---------------------------|
| NX-N-G06 /K /0604T | NX-N-G06 /D /CA /1204T |
| NX-N-G06 /K /0704T | NX-N-G06 /LN-CA /0604T |
| NX-N-G06 /K /0804T | NX-N-G06 /LN-CA /0704T |
| NX-N-G06 /K /0904T | NX-N-G06 /LN-CA /0804T |
| NX-N-G06 /K /1004T | NX-N-G06 /LN-CA /0904T |
| NX-N-G06 /K /1104T | NX-N-G06 /LN-CA /1004T |
| NX-N-G06 /K /1204T | NX-N-G06 /LN-CA /1104T |
| NX-N-G06 /D /K /0604T | NX-N-G06 /LN-CA /1204T |
| NX-N-G06 /D /K /0704T | NX-N-G06 /D /LN-CA /0604T |
| NX-N-G06 /D /K /0804T | NX-N-G06 /D /LN-CA /0704T |
| NX-N-G06 /D /K /0904T | NX-N-G06 /D /LN-CA /0804T |
| NX-N-G06 /D /K /1004T | NX-N-G06 /D /LN-CA /0904T |
| NX-N-G06 /D /K /1104T | NX-N-G06 /D /LN-CA /1004T |
| NX-N-G06 /D /K /1204T | NX-N-G06 /D /LN-CA /1104T |
| NX-N-G06 /LN-K /0604T | NX-N-G06 /D /LN-CA /1204T |
| NX-N-G06 /LN-K /0704T | NX-N-G06 /SL-CA /0604T |
| NX-N-G06 /LN-K /0804T | NX-N-G06 /SL-CA /0704T |
| NX-N-G06 /LN-K /0904T | NX-N-G06 /SL-CA /0804T |
| NX-N-G06 /LN-K /1004T | NX-N-G06 /SL-CA /0904T |
| NX-N-G06 /LN-K /1104T | NX-N-G06 /SL-CA /1004T |
| NX-N-G06 /LN-K /1204T | NX-N-G06 /SL-CA /1104T |
| NX-N-G06 /D /LN-K /0604T | NX-N-G06 /SL-CA /1204T |
| NX-N-G06 /D /LN-K /0704T | NX-N-G06 /D /SL-CA /0604T |
| NX-N-G06 /D /LN-K /0804T | NX-N-G06 /D /SL-CA /0704T |
| NX-N-G06 /D /LN-K /0904T | NX-N-G06 /D /SL-CA /0804T |
| NX-N-G06 /D /LN-K /1004T | NX-N-G06 /D /SL-CA /0904T |
| NX-N-G06 /D /LN-K /1104T | NX-N-G06 /D /SL-CA /1004T |
| NX-N-G06 /D /LN-K /1204T | NX-N-G06 /D /SL-CA /1104T |
| NX-N-G06 /SL-K /0604T | NX-N-G06 /D /SL-CA /1204T |
| NX-N-G06 /SL-K /0704T | |
| NX-N-G06 /SL-K /0804T | |
| NX-N-G06 /SL-K /0904T | |
| NX-N-G06 /SL-K /1004T | |
| NX-N-G06 /SL-K /1104T | |
| NX-N-G06 /SL-K /1204T | |
| NX-N-G06 /D /SL-K /0604T | |
| NX-N-G06 /D /SL-K /0704T | |
| NX-N-G06 /D /SL-K /0804T | |
| NX-N-G06 /D /SL-K /0904T | |
| NX-N-G06 /D /SL-K /1004T | |
| NX-N-G06 /D /SL-K /1104T | |
| NX-N-G06 /D /SL-K /1204T | |
| NX-N-G06 /CA /0604T | |
| NX-N-G06 /CA /0704T | |
| NX-N-G06 /CA /0804T | |
| NX-N-G06 /CA /0904T | |
| NX-N-G06 /CA /1004T | |
| NX-N-G06 /CA /1104T | |
| NX-N-G06 /CA /1204T | |
| NX-N-G06 /D /CA /0604T | |
| NX-N-G06 /D /CA /0704T | |
| NX-N-G06 /D /CA /0804T | |
| NX-N-G06 /D /CA /0904T | |
| NX-N-G06 /D /CA /1004T | |
| NX-N-G06 /D /CA /1104T | |

8.2 ETHYLENE GLYCOL MIXTURE

Ethylene glycol and water mixture, used as a heat-conveying fluid, cause a variation in unit performance. For correct data, use the factors indicated in the following tabel.

| | Freezing point (°C) | | | | | | | |
|-----|--------------------------------------|-------|------|-------|------|-------|-------|------|
| | 0 | -5 | -10 | -15 | -20 | -25 | -30 | -35 |
| | Ethylene glycol percentage by weight | | | | | | | |
| | 0% | 12% | 20% | 30% | 35% | 40% | 45% | 50% |
| cPf | 1 | 0,985 | 0,98 | 0,974 | 0,97 | 0,965 | 0,964 | 0,96 |
| cQ | 1 | 1,02 | 1,04 | 1,075 | 1,11 | 1,14 | 1,17 | 1,2 |
| cdp | 1 | 1,07 | 1,11 | 1,18 | 1,22 | 1,24 | 1,27 | 1,3 |

cPf: cooling power correction factor
 cQ: flow correction factor
 cdp: pressure drop correction factor

For data concerning other kind of anti-freeze solutions (e.g. propylene glycol) please contact our Sale Department.

8.3 FOULING FACTORS

Performances are based on clean condition of tubes (fouling factor = 1). For different fouling values, performance should be adjusted using the correction factors shown in the following table.

| SERIES | FOULING FACTORS | EVAPORATOR | | | CONDENSER/RECOVERY | | | DESUPERHEATER |
|---------|----------------------------|------------|-------|------------|--------------------|-------|------------|---------------|
| | ff (m ² °CW) | F1 | FK1 | KE [°C] | F2 | FK2 | KC [°C] | R3 |
| VARIOUS | 0 | 1,000 | 1,000 | 0,0 | 1,000 | 1,000 | 0,0 | 1,000 |
| VARIOUS | 1,80 x 10 ⁻⁵ | 1,000 | 1,000 | 0,0 | 1,000 | 1,000 | 0,0 | 1,000 |
| VARIOUS | 4,40 x 10 ⁻⁵ | 1,000 | 1,000 | 0,0 | 0,990 | 1,030 | 1,0 | 0,990 |
| VARIOUS | 8,80 x 10 ⁻⁵ | 0,960 | 0,990 | 0,7 | 0,980 | 1,040 | 1,5 | 0,980 |
| VARIOUS | 13,20 x 10 ⁻⁵ | 0,944 | 0,985 | 1,0 | 0,964 | 1,050 | 2,3 | 0,964 |
| VARIOUS | 17,20 x 10 ⁻⁵ | 0,930 | 0,980 | 1,5 | 0,950 | 1,060 | 3,0 | 0,950 |

ff: fouling factors

F1 - F2: potential correction factors

FK1 - FK2: compressor power input correction factors

R3: capacity correction factors

KE: minimum evaporator outlet temperature increase

KC: maximum condenser outlet temperature decrease

9.1 HYDRAULIC DATA

[SI System]

Water flow and pressure drop

Water flow in the plant (side) exchanger is given by:

$$Q = P / (4,186 \times Dt)$$

Q: water flow (l/s)

Dt: difference between inlet and outlet water temp. (°C)

P: heat exchanger capacity (kW)

Pressure drop is given by:

$$Dp = K \times (3,6 \times Q)^2 / 1000$$

Q: water flow (l/s)

Dp: pressure drop (kPa)

K: unit size ratio

| SIZE | Power supply V/ph/Hz | HEAT EXCHANGER USER SIDE | | | | | HEAT RECOVERY EX. USER SIDE | | | |
|--------------------------|-------------------------|--------------------------|--------------|--------------|-------------|---------------|-----------------------------|--------------|--------------|-------------|
| | | K | Q min l/s | Q max l/s | C.A.S. l | C.a. min l | K | Q min l/s | Q max l/s | C.A.S. l |
| NX-N-G06 /K /0604T | 400/3/50 | 29,0 | 4,250 | 12,81 | 41,4 | 400 | - | - | - | - |
| NX-N-G06 /K /0704T | 400/3/50 | 29,0 | 4,944 | 14,86 | 41,4 | 465 | - | - | - | - |
| NX-N-G06 /K /0804T | 400/3/50 | 36,2 | 5,611 | 16,33 | 35,8 | 528 | - | - | - | - |
| NX-N-G06 /K /0904T | 400/3/50 | 24,9 | 6,528 | 18,94 | 39,6 | 613 | - | - | - | - |
| NX-N-G06 /K /1004T | 400/3/50 | 24,9 | 7,306 | 18,94 | 39,6 | 685 | - | - | - | - |
| NX-N-G06 /K /1104T | 400/3/50 | 13,5 | 7,972 | 23,78 | 86,0 | 745 | - | - | - | - |
| NX-N-G06 /K /1204T | 400/3/50 | 13,5 | 8,528 | 25,47 | 86,0 | 798 | - | - | - | - |
| NX-N-G06 /D /K /0604T | 400/3/50 | 29,0 | 4,250 | 12,81 | 41,4 | 400 | 315 | - | 2,611 | 1,22 |
| NX-N-G06 /D /K /0704T | 400/3/50 | 29,0 | 4,944 | 14,86 | 41,4 | 465 | 315 | - | 3,167 | 1,22 |
| NX-N-G06 /D /K /0804T | 400/3/50 | 36,2 | 5,611 | 16,33 | 35,8 | 528 | 315 | - | 3,611 | 1,22 |
| NX-N-G06 /D /K /0904T | 400/3/50 | 24,9 | 6,528 | 18,94 | 39,6 | 613 | 250 | - | 4,083 | 1,46 |
| NX-N-G06 /D /K /1004T | 400/3/50 | 24,9 | 7,306 | 18,94 | 39,6 | 685 | 250 | - | 4,667 | 1,46 |
| NX-N-G06 /D /K /1104T | 400/3/50 | 13,5 | 7,972 | 23,78 | 86,0 | 745 | 200 | - | 5,028 | 1,83 |
| NX-N-G06 /D /K /1204T | 400/3/50 | 13,5 | 8,528 | 25,47 | 86,0 | 798 | 200 | - | 5,528 | 1,83 |
| NX-N-G06 /LN-K /0604T | 400/3/50 | 29,0 | 4,250 | 12,81 | 41,4 | 400 | - | - | - | - |
| NX-N-G06 /LN-K /0704T | 400/3/50 | 29,0 | 4,944 | 14,86 | 41,4 | 465 | - | - | - | - |
| NX-N-G06 /LN-K /0804T | 400/3/50 | 36,2 | 5,611 | 16,33 | 35,8 | 528 | - | - | - | - |
| NX-N-G06 /LN-K /0904T | 400/3/50 | 24,9 | 6,528 | 18,94 | 39,6 | 613 | - | - | - | - |
| NX-N-G06 /LN-K /1004T | 400/3/50 | 24,9 | 7,306 | 18,94 | 39,6 | 685 | - | - | - | - |
| NX-N-G06 /LN-K /1104T | 400/3/50 | 13,5 | 7,972 | 23,78 | 86,0 | 745 | - | - | - | - |
| NX-N-G06 /LN-K /1204T | 400/3/50 | 13,5 | 8,528 | 25,47 | 86,0 | 798 | - | - | - | - |
| NX-N-G06 /D /LN-K /0604T | 400/3/50 | 29,0 | 4,250 | 12,81 | 41,4 | 400 | 315 | - | 2,611 | 1,22 |
| NX-N-G06 /D /LN-K /0704T | 400/3/50 | 29,0 | 4,944 | 14,86 | 41,4 | 465 | 315 | - | 3,167 | 1,22 |
| NX-N-G06 /D /LN-K /0804T | 400/3/50 | 36,2 | 5,611 | 16,33 | 35,8 | 528 | 315 | - | 3,611 | 1,22 |
| NX-N-G06 /D /LN-K /0904T | 400/3/50 | 24,9 | 6,528 | 18,94 | 39,6 | 613 | 250 | - | 4,083 | 1,46 |
| NX-N-G06 /D /LN-K /1004T | 400/3/50 | 24,9 | 7,306 | 18,94 | 39,6 | 685 | 250 | - | 4,667 | 1,46 |
| NX-N-G06 /D /LN-K /1104T | 400/3/50 | 13,5 | 7,972 | 23,78 | 86,0 | 745 | 200 | - | 5,028 | 1,83 |
| NX-N-G06 /D /LN-K /1204T | 400/3/50 | 13,5 | 8,528 | 25,47 | 86,0 | 798 | 200 | - | 5,528 | 1,83 |
| NX-N-G06 /SL-K /0604T | 400/3/50 | 29,0 | 4,250 | 12,81 | 41,4 | 400 | - | - | - | - |
| NX-N-G06 /SL-K /0704T | 400/3/50 | 29,0 | 4,944 | 14,86 | 41,4 | 465 | - | - | - | - |
| NX-N-G06 /SL-K /0804T | 400/3/50 | 36,2 | 5,611 | 16,33 | 35,8 | 528 | - | - | - | - |
| NX-N-G06 /SL-K /0904T | 400/3/50 | 24,9 | 6,528 | 18,94 | 39,6 | 613 | - | - | - | - |
| NX-N-G06 /SL-K /1004T | 400/3/50 | 24,9 | 7,306 | 18,94 | 39,6 | 685 | - | - | - | - |
| NX-N-G06 /SL-K /1104T | 400/3/50 | 13,5 | 7,972 | 23,78 | 86,0 | 745 | - | - | - | - |
| NX-N-G06 /SL-K /1204T | 400/3/50 | 13,5 | 8,528 | 25,47 | 86,0 | 798 | - | - | - | - |
| NX-N-G06 /D /SL-K /0604T | 400/3/50 | 29,0 | 4,250 | 12,81 | 41,4 | 400 | 315 | - | 2,611 | 1,22 |
| NX-N-G06 /D /SL-K /0704T | 400/3/50 | 29,0 | 4,944 | 14,86 | 41,4 | 465 | 315 | - | 3,167 | 1,22 |
| NX-N-G06 /D /SL-K /0804T | 400/3/50 | 36,2 | 5,611 | 16,33 | 35,8 | 528 | 315 | - | 3,611 | 1,22 |
| NX-N-G06 /D /SL-K /0904T | 400/3/50 | 24,9 | 6,528 | 18,94 | 39,6 | 613 | 250 | - | 4,083 | 1,46 |
| NX-N-G06 /D /SL-K /1004T | 400/3/50 | 24,9 | 7,306 | 18,94 | 39,6 | 685 | 250 | - | 4,667 | 1,46 |
| NX-N-G06 /D /SL-K /1104T | 400/3/50 | 13,5 | 7,972 | 23,78 | 86,0 | 745 | 200 | - | 5,028 | 1,83 |
| NX-N-G06 /D /SL-K /1204T | 400/3/50 | 13,5 | 8,528 | 25,47 | 86,0 | 798 | 200 | - | 5,528 | 1,83 |

Q min: minimum water flow admitted to the heat exchanger
 Q max: maximum water flow admitted to the heat exchanger
 C.a. min: minimum water content admitted in the plant
 C.A.S.: Exchanger water content

HYDRAULIC DATA

[SI System]

| SIZE | Power supply V/ph/Hz | HEAT EXCHANGER USER SIDE | | | | | HEAT RECOVERY EX. USER SIDE | | | |
|---------------------------|-------------------------|--------------------------|--------------|--------------|-------------|---------------|-----------------------------|--------------|--------------|-------------|
| | | K | Q min l/s | Q max l/s | C.A.S. l | C.a. min l | K | Q min l/s | Q max l/s | C.A.S. l |
| NX-N-G06 /D /SL-K /1204T | 400/3/50 | 13,5 | 8,528 | 25,47 | 86,0 | 798 | 200 | - | 5,528 | 1,83 |
| NX-N-G06 /CA /0604T | 400/3/50 | 29,0 | 4,361 | 13,11 | 41,4 | 410 | - | - | - | - |
| NX-N-G06 /CA /0704T | 400/3/50 | 29,0 | 5,083 | 15,25 | 41,4 | 477 | - | - | - | - |
| NX-N-G06 /CA /0804T | 400/3/50 | 36,2 | 5,917 | 16,33 | 35,8 | 556 | - | - | - | - |
| NX-N-G06 /CA /0904T | 400/3/50 | 24,9 | 6,750 | 18,94 | 39,6 | 633 | - | - | - | - |
| NX-N-G06 /CA /1004T | 400/3/50 | 13,5 | 7,556 | 22,61 | 86,0 | 708 | - | - | - | - |
| NX-N-G06 /CA /1104T | 400/3/50 | 13,5 | 8,278 | 24,75 | 86,0 | 775 | - | - | - | - |
| NX-N-G06 /CA /1204T | 400/3/50 | 13,5 | 8,972 | 25,78 | 86,0 | 838 | - | - | - | - |
| NX-N-G06 /D /CA /0604T | 400/3/50 | 29,0 | 4,361 | 13,11 | 41,4 | 410 | 315 | - | 2,611 | 1,22 |
| NX-N-G06 /D /CA /0704T | 400/3/50 | 29,0 | 5,083 | 15,25 | 41,4 | 477 | 315 | - | 3,167 | 1,22 |
| NX-N-G06 /D /CA /0804T | 400/3/50 | 36,2 | 5,917 | 16,33 | 35,8 | 556 | 315 | - | 3,611 | 1,22 |
| NX-N-G06 /D /CA /0904T | 400/3/50 | 24,9 | 6,750 | 18,94 | 39,6 | 633 | 250 | - | 4,083 | 1,46 |
| NX-N-G06 /D /CA /1004T | 400/3/50 | 13,5 | 7,556 | 22,61 | 86,0 | 708 | 250 | - | 4,667 | 1,46 |
| NX-N-G06 /D /CA /1104T | 400/3/50 | 13,5 | 8,278 | 24,75 | 86,0 | 775 | 200 | - | 5,028 | 1,83 |
| NX-N-G06 /D /CA /1204T | 400/3/50 | 13,5 | 8,972 | 25,78 | 86,0 | 838 | 200 | - | 5,528 | 1,83 |
| NX-N-G06 /LN-CA /0604T | 400/3/50 | 29,0 | 4,361 | 13,11 | 41,4 | 410 | - | - | - | - |
| NX-N-G06 /LN-CA /0704T | 400/3/50 | 29,0 | 5,083 | 15,25 | 41,4 | 477 | - | - | - | - |
| NX-N-G06 /LN-CA /0804T | 400/3/50 | 36,2 | 5,917 | 16,33 | 35,8 | 556 | - | - | - | - |
| NX-N-G06 /LN-CA /0904T | 400/3/50 | 24,9 | 6,750 | 18,94 | 39,6 | 633 | - | - | - | - |
| NX-N-G06 /LN-CA /1004T | 400/3/50 | 13,5 | 7,556 | 22,61 | 86,0 | 708 | - | - | - | - |
| NX-N-G06 /LN-CA /1104T | 400/3/50 | 13,5 | 8,278 | 24,75 | 86,0 | 775 | - | - | - | - |
| NX-N-G06 /LN-CA /1204T | 400/3/50 | 13,5 | 8,972 | 25,78 | 86,0 | 838 | - | - | - | - |
| NX-N-G06 /D /LN-CA /0604T | 400/3/50 | 29,0 | 4,361 | 13,11 | 41,4 | 410 | 315 | - | 2,611 | 1,22 |
| NX-N-G06 /D /LN-CA /0704T | 400/3/50 | 29,0 | 5,083 | 15,25 | 41,4 | 477 | 315 | - | 3,167 | 1,22 |
| NX-N-G06 /D /LN-CA /0804T | 400/3/50 | 36,2 | 5,917 | 16,33 | 35,8 | 556 | 315 | - | 3,611 | 1,22 |
| NX-N-G06 /D /LN-CA /0904T | 400/3/50 | 24,9 | 6,750 | 18,94 | 39,6 | 633 | 250 | - | 4,083 | 1,46 |
| NX-N-G06 /D /LN-CA /1004T | 400/3/50 | 13,5 | 7,556 | 22,61 | 86,0 | 708 | 250 | - | 4,667 | 1,46 |
| NX-N-G06 /D /LN-CA /1104T | 400/3/50 | 13,5 | 8,278 | 24,75 | 86,0 | 775 | 200 | - | 5,028 | 1,83 |
| NX-N-G06 /D /LN-CA /1204T | 400/3/50 | 13,5 | 8,972 | 25,78 | 86,0 | 838 | 200 | - | 5,528 | 1,83 |
| NX-N-G06 /SL-CA /0604T | 400/3/50 | 29,0 | 4,361 | 13,11 | 41,4 | 410 | - | - | - | - |
| NX-N-G06 /SL-CA /0704T | 400/3/50 | 29,0 | 5,083 | 15,25 | 41,4 | 477 | - | - | - | - |
| NX-N-G06 /SL-CA /0804T | 400/3/50 | 36,2 | 5,917 | 16,33 | 35,8 | 556 | - | - | - | - |
| NX-N-G06 /SL-CA /0904T | 400/3/50 | 24,9 | 6,750 | 18,94 | 39,6 | 633 | - | - | - | - |
| NX-N-G06 /SL-CA /1004T | 400/3/50 | 13,5 | 7,556 | 22,61 | 86,0 | 708 | - | - | - | - |
| NX-N-G06 /SL-CA /1104T | 400/3/50 | 13,5 | 8,278 | 24,75 | 86,0 | 775 | - | - | - | - |
| NX-N-G06 /SL-CA /1204T | 400/3/50 | 13,5 | 8,972 | 25,78 | 86,0 | 838 | - | - | - | - |
| NX-N-G06 /D /SL-CA /0604T | 400/3/50 | 29,0 | 4,361 | 13,11 | 41,4 | 410 | 315 | - | 2,611 | 1,22 |
| NX-N-G06 /D /SL-CA /0704T | 400/3/50 | 29,0 | 5,083 | 15,25 | 41,4 | 477 | 315 | - | 3,167 | 1,22 |
| NX-N-G06 /D /SL-CA /0804T | 400/3/50 | 36,2 | 5,917 | 16,33 | 35,8 | 556 | 315 | - | 3,611 | 1,22 |
| NX-N-G06 /D /SL-CA /0904T | 400/3/50 | 24,9 | 6,750 | 18,94 | 39,6 | 633 | 250 | - | 4,083 | 1,46 |
| NX-N-G06 /D /SL-CA /1004T | 400/3/50 | 13,5 | 7,556 | 22,61 | 86,0 | 708 | 250 | - | 4,667 | 1,46 |
| NX-N-G06 /D /SL-CA /1104T | 400/3/50 | 13,5 | 8,278 | 24,75 | 86,0 | 775 | 200 | - | 5,028 | 1,83 |
| NX-N-G06 /D /SL-CA /1204T | 400/3/50 | 13,5 | 8,972 | 25,78 | 86,0 | 838 | 200 | - | 5,528 | 1,83 |

Q min: minimum water flow admitted to the heat exchanger
 Q max: maximum water flow admitted to the heat exchanger
 C.a. min: minimum water content admitted in the plant
 C.A.S.: Exchanger water content

10.1 ELECTRICAL DATA

NX-N-G06

[SI System]

| SIZE | Power supply V/ph/Hz | Maximum values | | | | | | | | |
|-------|-------------------------|----------------|----------------|---------------|---------------|----------------|---------------|----------------|---------------|-------------|
| | | n | Compressor | | | Fans (1) | | Total (1)(2) | | |
| | | | F.L.I. [kW] | F.L.A. [A] | L.R.A. [A] | F.L.I. [kW] | F.L.A. [A] | F.L.I. [kW] | F.L.A. [A] | S.A. [A] |
| 0604T | 400/3/50 | 4 | 4x15,36 | 4x24,9 | 4x172 | 2,000 | 4 | 69,00 | 116 | 263 |
| 0704T | 400/3/50 | 4 | 2x15,36+2x21,4 | 2x24,9+2x34,2 | 2x172+2x211 | 2,000 | 4 | 82,00 | 135 | 311 |
| 0804T | 400/3/50 | 4 | 4x21,4 | 4x34,2 | 4x211 | 2,000 | 4 | 94,00 | 153 | 330 |
| 0904T | 400/3/50 | 4 | 2x21,4+2x27 | 2x34,2+2x42,5 | 2x211+2x210 | 2,000 | 4 | 109,0 | 178 | 347 |
| 1004T | 400/3/50 | 4 | 4x27 | 4x42,5 | 4x210 | 2,000 | 4 | 120,0 | 195 | 362 |
| 1104T | 400/3/50 | 4 | 2x27+2x34,5 | 2x42,5+2x55,1 | 2x210+2x326 | 2,000 | 4 | 135,0 | 220 | 491 |
| 1204T | 400/3/50 | 4 | 4x34,5 | 4x55,1 | 4x326 | 2,000 | 4 | 150,0 | 245 | 516 |

F.L.I.: Full load power

F.L.A.: Full load current

L.R.A.: Locked rotor amperes for single compressor

S.A.: Inrush current

(1) Values calculated referring to the version with the maximum number of fans working at the max absorbed current

(1)(2) Safety values to be considered when cabling the unit for power supply and line-protections

Data valid for standard units without any additional option.

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Voltage tolerance: 10%

Maximum voltage unbalance: 3%

Give the typical operating conditions of units designed for outdoor installation, which can be associated (according to reference document IEC 60721) to the following classes:

- climatic conditions class 4K4H: air temperature range from -20 up to 55°C (*), relative humidity range from 4 up to 100%, with possible precipitations, at air pressure from 70 and 106 kPa and a maximum solar radiation of 1120 W/m2

- special climatic conditions negligible

- biological conditions class 4B1 and 4C2: locations in a generic urban area

- mechanically active substances class 4S2: locations in areas with sand or dust representative of urban areas

- mechanical conditions class 4M1: locations protected from significant vibrations or shocks

The required protection level for safe operation, according to reference document IEC 60529, is IP43XW (protection against access, to the most critical unit's parts, of external devices with diameter larger than 1 mm and rain).

The unit can be considered IP44XW protected, i.e. protected against access of external devices (with diameter larger than 1 mm) and water in general.

(*) for the unit's operating limits, see "selection limits" section

ELECTRICAL DATA

NX-N-G06/LN-K

[SI System]

| SIZE | Power supply V/ph/Hz | Maximum values | | | | | | | | |
|-------|-------------------------|----------------|----------------|---------------|---------------|----------------|---------------|----------------|---------------|-------------|
| | | n | Compressor | | | Fans (1) | | Total (1)(2) | | |
| | | | F.L.I. [kW] | F.L.A. [A] | L.R.A. [A] | F.L.I. [kW] | F.L.A. [A] | F.L.I. [kW] | F.L.A. [A] | S.A. [A] |
| 0604T | 400/3/50 | 4 | 4x15,36 | 4x24,9 | 4x172 | 2,000 | 4 | 69,00 | 116 | 263 |
| 0704T | 400/3/50 | 4 | 2x15,36+2x21,4 | 2x24,9+2x34,2 | 2x172+2x211 | 2,000 | 4 | 82,00 | 135 | 311 |
| 0804T | 400/3/50 | 4 | 4x21,4 | 4x34,2 | 4x211 | 2,000 | 4 | 94,00 | 153 | 330 |
| 0904T | 400/3/50 | 4 | 2x21,4+2x27 | 2x34,2+2x42,5 | 2x211+2x210 | 2,000 | 4 | 109,0 | 178 | 347 |
| 1004T | 400/3/50 | 4 | 4x27 | 4x42,5 | 4x210 | 2,000 | 4 | 120,0 | 195 | 362 |
| 1104T | 400/3/50 | 4 | 2x27+2x34,5 | 2x42,5+2x55,1 | 2x210+2x326 | 2,000 | 4 | 135,0 | 220 | 491 |
| 1204T | 400/3/50 | 4 | 4x34,5 | 4x55,1 | 4x326 | 2,000 | 4 | 150,0 | 245 | 516 |

F.L.I.: Full load power

F.L.A.: Full load current

L.R.A.: Locked rotor amperes for single compressor

S.A.: Inrush current

(1) Values calculated referring to the version with the maximum number of fans working at the max absorbed current

(1)(2) Safety values to be considered when cabling the unit for power supply and line-protections

Data valid for standard units without any additional option.

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Voltage tolerance: 10%

Maximum voltage unbalance: 3%

Give the typical operating conditions of units designed for outdoor installation, which can be associated (according to reference document IEC 60721) to the following classes:

- climatic conditions class 4K4H: air temperature range from -20 up to 55°C (*), relative humidity range from 4 up to 100%, with possible precipitations, at air pressure from 70 and 106 kPa and a maximum solar radiation of 1120 W/m2

- special climatic conditions negligible

- biological conditions class 4B1 and 4C2: locations in a generic urban area

- mechanically active substances class 4S2: locations in areas with sand or dust representative of urban areas

- mechanical conditions class 4M1: locations protected from significant vibrations or shocks

The required protection level for safe operation, according to reference document IEC 60529, is IP43XW (protection against access, to the most critical unit's parts, of external devices with diameter larger than 1 mm and rain).

The unit can be considered IP44XW protected, i.e. protected against access of external devices (with diameter larger than 1 mm) and water in general.

(*) for the unit's operating limits, see "selection limits" section

ELECTRICAL DATA

NX-N-G06/SL-K

[SI System]

| SIZE | Power supply V/ph/Hz | Maximum values | | | | | | | | |
|-------|-------------------------|----------------|----------------|---------------|---------------|----------------|---------------|----------------|---------------|-------------|
| | | n | Compressor | | | Fans (1) | | Total (1)(2) | | |
| | | | F.L.I. [kW] | F.L.A. [A] | L.R.A. [A] | F.L.I. [kW] | F.L.A. [A] | F.L.I. [kW] | F.L.A. [A] | S.A. [A] |
| 0604T | 400/3/50 | 4 | 4x15,36 | 4x24,9 | 4x172 | 1,200 | 4 | 66,00 | 116 | 263 |
| 0704T | 400/3/50 | 4 | 2x15,36+2x21,4 | 2x24,9+2x34,2 | 2x172+2x211 | 1,200 | 4 | 81,00 | 143 | 320 |
| 0804T | 400/3/50 | 4 | 4x21,4 | 4x34,2 | 4x211 | 1,200 | 4 | 93,00 | 161 | 338 |
| 0904T | 400/3/50 | 4 | 2x21,4+2x27 | 2x34,2+2x42,5 | 2x211+2x210 | 1,200 | 4 | 104,0 | 178 | 347 |
| 1004T | 400/3/50 | 4 | 4x27 | 4x42,5 | 4x210 | 1,200 | 4 | 115,0 | 195 | 362 |
| 1104T | 400/3/50 | 4 | 2x27+2x34,5 | 2x42,5+2x55,1 | 2x210+2x326 | 1,200 | 4 | 133,0 | 228 | 499 |
| 1204T | 400/3/50 | 4 | 4x34,5 | 4x55,1 | 4x326 | 1,200 | 4 | 148,0 | 253 | 524 |

F.L.I.: Full load power

F.L.A.: Full load current

L.R.A.: Locked rotor amperes for single compressor

S.A.: Inrush current

(1) Values calculated referring to the version with the maximum number of fans working at the max absorbed current

(1)(2) Safety values to be considered when cabling the unit for power supply and line-protections

Data valid for standard units without any additional option.

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Voltage tolerance: 10%

Maximum voltage unbalance: 3%

Give the typical operating conditions of units designed for outdoor installation, which can be associated (according to reference document IEC 60721) to the following classes:

- climatic conditions class 4K4H: air temperature range from -20 up to 55°C (*), relative humidity range from 4 up to 100%, with possible precipitations, at air pressure from 70 and 106 kPa and a maximum solar radiation of 1120 W/m2
- special climatic conditions negligible
- biological conditions class 4B1 and 4C2: locations in a generic urban area
- mechanically active substances class 4S2: locations in areas with sand or dust representative of urban areas
- mechanical conditions class 4M1: locations protected from significant vibrations or shocks

The required protection level for safe operation, according to reference document IEC 60529, is IP43XW (protection against access, to the most critical unit's parts, of external devices with diameter larger than 1 mm and rain).

The unit can be considered IP44XW protected, i.e. protected against access of external devices (with diameter larger than 1 mm) and water in general.

(*) for the unit's operating limits, see "selection limits" section

ELECTRICAL DATA

NX-N-G06/CA

[SI System]

| SIZE | Power supply V/ph/Hz | Maximum values | | | | | | | | |
|-------|-------------------------|----------------|----------------|---------------|---------------|----------------|---------------|----------------|---------------|-------------|
| | | n | Compressor | | | Fans (1) | | Total (1)(2) | | |
| | | | F.L.I. [kW] | F.L.A. [A] | L.R.A. [A] | F.L.I. [kW] | F.L.A. [A] | F.L.I. [kW] | F.L.A. [A] | S.A. [A] |
| 0604T | 400/3/50 | 4 | 4x15,36 | 4x24,9 | 4x172 | 2,000 | 4 | 69,00 | 116 | 263 |
| 0704T | 400/3/50 | 4 | 2x15,36+2x21,4 | 2x24,9+2x34,2 | 2x172+2x211 | 2,000 | 4 | 82,00 | 135 | 311 |
| 0804T | 400/3/50 | 4 | 4x21,4 | 4x34,2 | 4x211 | 2,000 | 4 | 98,00 | 161 | 338 |
| 0904T | 400/3/50 | 4 | 2x21,4+2x27 | 2x34,2+2x42,5 | 2x211+2x210 | 2,000 | 4 | 109,0 | 178 | 347 |
| 1004T | 400/3/50 | 4 | 4x27 | 4x42,5 | 4x210 | 2,000 | 4 | 120,0 | 195 | 362 |
| 1104T | 400/3/50 | 4 | 2x27+2x34,5 | 2x42,5+2x55,1 | 2x210+2x326 | 2,000 | 4 | 139,0 | 228 | 499 |
| 1204T | 400/3/50 | 4 | 4x34,5 | 4x55,1 | 4x326 | 2,000 | 4 | 154,0 | 253 | 524 |

F.L.I.: Full load power

F.L.A.: Full load current

L.R.A.: Locked rotor amperes for single compressor

S.A.: Inrush current

(1) Values calculated referring to the version with the maximum number of fans working at the max absorbed current

(1)(2) Safety values to be considered when cabling the unit for power supply and line-protections

Data valid for standard units without any additional option.

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Voltage tolerance: 10%

Maximum voltage unbalance: 3%

Give the typical operating conditions of units designed for outdoor installation, which can be associated (according to reference document IEC 60721) to the following classes:

- climatic conditions class 4K4H: air temperature range from -20 up to 55°C (*), relative humidity range from 4 up to 100%, with possible precipitations, at air pressure from 70 and 106 kPa and a maximum solar radiation of 1120 W/m2

- special climatic conditions negligible

- biological conditions class 4B1 and 4C2: locations in a generic urban area

- mechanically active substances class 4S2: locations in areas with sand or dust representative of urban areas

- mechanical conditions class 4M1: locations protected from significant vibrations or shocks

The required protection level for safe operation, according to reference document IEC 60529, is IP43XW (protection against access, to the most critical unit's parts, of external devices with diameter larger than 1 mm and rain).

The unit can be considered IP44XW protected, i.e. protected against access of external devices (with diameter larger than 1 mm) and water in general.

(*) for the unit's operating limits, see "selection limits" section

ELECTRICAL DATA

NX-N-G06/LN-CA

[SI System]

| SIZE | Power supply V/ph/Hz | Maximum values | | | | | | | | |
|-------|-------------------------|----------------|----------------|---------------|---------------|----------------|---------------|----------------|---------------|-------------|
| | | n | Compressor | | | Fans (1) | | Total (1)(2) | | |
| | | | F.L.I. [kW] | F.L.A. [A] | L.R.A. [A] | F.L.I. [kW] | F.L.A. [A] | F.L.I. [kW] | F.L.A. [A] | S.A. [A] |
| 0604T | 400/3/50 | 4 | 4x15,36 | 4x24,9 | 4x172 | 0,930 | 2 | 65,00 | 109 | 256 |
| 0704T | 400/3/50 | 4 | 2x15,36+2x21,4 | 2x24,9+2x34,2 | 2x172+2x211 | 0,930 | 2 | 79,00 | 132 | 309 |
| 0804T | 400/3/50 | 4 | 4x21,4 | 4x34,2 | 4x211 | 0,930 | 2 | 91,00 | 151 | 327 |
| 0904T | 400/3/50 | 4 | 2x21,4+2x27 | 2x34,2+2x42,5 | 2x211+2x210 | 0,930 | 2 | 104,0 | 172 | 340 |
| 1004T | 400/3/50 | 4 | 4x27 | 4x42,5 | 4x210 | 0,930 | 2 | 115,0 | 188 | 356 |
| 1104T | 400/3/50 | 4 | 2x27+2x34,5 | 2x42,5+2x55,1 | 2x210+2x326 | 0,930 | 2 | 130,0 | 214 | 485 |
| 1204T | 400/3/50 | 4 | 4x34,5 | 4x55,1 | 4x326 | 0,930 | 2 | 147,0 | 243 | 514 |

F.L.I.: Full load power

F.L.A.: Full load current

L.R.A.: Locked rotor amperes for single compressor

S.A.: Inrush current

(1) Values calculated referring to the version with the maximum number of fans working at the max absorbed current

(1)(2) Safety values to be considered when cabling the unit for power supply and line-protections

Data valid for standard units without any additional option.

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Voltage tolerance: 10%

Maximum voltage unbalance: 3%

Give the typical operating conditions of units designed for outdoor installation, which can be associated (according to reference document IEC 60721) to the following classes:

- climatic conditions class 4K4H: air temperature range from -20 up to 55°C (*), relative humidity range from 4 up to 100%, with possible precipitations, at air pressure from 70 and 106 kPa and a maximum solar radiation of 1120 W/m2

- special climatic conditions negligible

- biological conditions class 4B1 and 4C2: locations in a generic urban area

- mechanically active substances class 4S2: locations in areas with sand or dust representative of urban areas

- mechanical conditions class 4M1: locations protected from significant vibrations or shocks

The required protection level for safe operation, according to reference document IEC 60529, is IP43XW (protection against access, to the most critical unit's parts, of external devices with diameter larger than 1 mm and rain).

The unit can be considered IP44XW protected, i.e. protected against access of external devices (with diameter larger than 1 mm) and water in general.

(*) for the unit's operating limits, see "selection limits" section

ELECTRICAL DATA

NX-N-G06/SL-CA

[SI System]

| SIZE | Power supply V/ph/Hz | Maximum values | | | | | | | | |
|-------|-------------------------|----------------|----------------|---------------|---------------|----------------|---------------|----------------|---------------|-------------|
| | | n | Compressor | | | Fans (1) | | Total (1)(2) | | |
| | | | F.L.I. [kW] | F.L.A. [A] | L.R.A. [A] | F.L.I. [kW] | F.L.A. [A] | F.L.I. [kW] | F.L.A. [A] | S.A. [A] |
| 0604T | 400/3/50 | 4 | 4x15,36 | 4x24,9 | 4x172 | 0,930 | 2 | 67,00 | 113 | 261 |
| 0704T | 400/3/50 | 4 | 2x15,36+2x21,4 | 2x24,9+2x34,2 | 2x172+2x211 | 0,930 | 2 | 79,00 | 132 | 309 |
| 0804T | 400/3/50 | 4 | 4x21,4 | 4x34,2 | 4x211 | 0,930 | 2 | 93,00 | 155 | 332 |
| 0904T | 400/3/50 | 4 | 2x21,4+2x27 | 2x34,2+2x42,5 | 2x211+2x210 | 0,930 | 2 | 104,0 | 172 | 340 |
| 1004T | 400/3/50 | 4 | 4x27 | 4x42,5 | 4x210 | 0,930 | 2 | 115,0 | 188 | 356 |
| 1104T | 400/3/50 | 4 | 2x27+2x34,5 | 2x42,5+2x55,1 | 2x210+2x326 | 0,930 | 2 | 130,0 | 214 | 485 |
| 1204T | 400/3/50 | 4 | 4x34,5 | 4x55,1 | 4x326 | 0,930 | 2 | 147,0 | 243 | 514 |

F.L.I.: Full load power

F.L.A.: Full load current

L.R.A.: Locked rotor amperes for single compressor

S.A.: Inrush current

(1) Values calculated referring to the version with the maximum number of fans working at the max absorbed current

(1)(2) Safety values to be considered when cabling the unit for power supply and line-protections

Data valid for standard units without any additional option.

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Voltage tolerance: 10%

Maximum voltage unbalance: 3%

Give the typical operating conditions of units designed for outdoor installation, which can be associated (according to reference document IEC 60721) to the following classes:

- climatic conditions class 4K4H: air temperature range from -20 up to 55°C (*), relative humidity range from 4 up to 100%, with possible precipitations, at air pressure from 70 and 106 kPa and a maximum solar radiation of 1120 W/m2

- special climatic conditions negligible

- biological conditions class 4B1 and 4C2: locations in a generic urban area

- mechanically active substances class 4S2: locations in areas with sand or dust representative of urban areas

- mechanical conditions class 4M1: locations protected from significant vibrations or shocks

The required protection level for safe operation, according to reference document IEC 60529, is IP43XW (protection against access, to the most critical unit's parts, of external devices with diameter larger than 1 mm and rain).

The unit can be considered IP44XW protected, i.e. protected against access of external devices (with diameter larger than 1 mm) and water in general.

(*) for the unit's operating limits, see "selection limits" section

ELECTRICAL DATA

MAXIMUM CABLES/BARS SECTION CONNECTED TO MAIN SWITCH AND SHORT TIME CURRENT STANDARD UNITS

| Unit size (all versions) | Main switch type (category VCP) | Cable section | Bar dimensions | Further technical data |
|-----------------------------|-------------------------------------|----------------------|-------------------|---|
| | | ∅ [mm ²] | □ [mm] | |
| 0604 | "TECHNOELECTRIC VC2P 3x 200A" | 120 | 20x5 | http://www.technoelectric.it/ing/VCP_tab_dati_ing.html |
| 0704 | "TECHNOELECTRIC VC2P 3x 200A" | 120 | 20x5 | http://www.technoelectric.it/ing/VCP_tab_dati_ing.html |
| 0804 | "TECHNOELECTRIC VC2P 3x 250A" | 120 | 20x5 | http://www.technoelectric.it/ing/VCP_tab_dati_ing.html |
| 0904 | "TECHNOELECTRIC VC2P 3x 250A" | 120 | 20x5 | http://www.technoelectric.it/ing/VCP_tab_dati_ing.html |
| 1004 | "TECHNOELECTRIC VC3P 3x 315A" | 240 | 2x25x5 | http://www.technoelectric.it/ing/VCP_tab_dati_ing.html |
| 1104 | "TECHNOELECTRIC VC3P 3x 315A" | 240 | 2x25x5 | http://www.technoelectric.it/ing/VCP_tab_dati_ing.html |
| 1204 | "TECHNOELECTRIC VC3P 3x 400A" | 240 | 2x25x5 | http://www.technoelectric.it/ing/VCP_tab_dati_ing.html |

Electrical data valid for standard units without any additional option

Voltage tolerance: 10%

Maximum voltage unbalance: 3%

11.1 FULL LOAD SOUND LEVEL

NX-N-G06

| SOUND POWER LEVEL IN COOLING | | | | | | | | | |
|------------------------------|----------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 95 | 94 | 91 | 89 | 88 | 83 | 77 | 72 | 92 |
| 0704T | 95 | 94 | 91 | 89 | 88 | 83 | 77 | 72 | 92 |
| 0804T | 96 | 95 | 92 | 90 | 89 | 84 | 78 | 73 | 93 |
| 0904T | 97 | 96 | 93 | 91 | 90 | 85 | 79 | 74 | 94 |
| 1004T | 98 | 97 | 94 | 92 | 91 | 86 | 80 | 75 | 95 |
| 1104T | 98 | 97 | 94 | 92 | 91 | 86 | 80 | 75 | 95 |
| 1204T | 98 | 97 | 94 | 92 | 91 | 86 | 80 | 75 | 95 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in cooling, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|----------------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 76 | 75 | 72 | 70 | 69 | 64 | 58 | 53 | 73 |
| 0704T | 75 | 74 | 71 | 69 | 68 | 63 | 57 | 52 | 72 |
| 0804T | 76 | 75 | 72 | 70 | 69 | 64 | 58 | 53 | 73 |
| 0904T | 77 | 76 | 73 | 71 | 70 | 65 | 59 | 54 | 74 |
| 1004T | 78 | 77 | 74 | 72 | 71 | 66 | 60 | 55 | 75 |
| 1104T | 78 | 77 | 74 | 72 | 71 | 66 | 60 | 55 | 75 |
| 1204T | 78 | 77 | 74 | 72 | 71 | 66 | 60 | 55 | 75 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06

| SOUND POWER LEVEL IN HEATING | | | | | | | | | |
|------------------------------|----------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 92 |
| 0704T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 92 |
| 0804T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 93 |
| 0904T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 94 |
| 1004T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 95 |
| 1104T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 95 |
| 1204T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 95 |

Working conditions

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in heating, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|----------------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 73 |
| 0704T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 72 |
| 0804T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 73 |
| 0904T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 74 |
| 1004T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 75 |
| 1104T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 75 |
| 1204T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 75 |

Working conditions

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06/LN-K

| SOUND POWER LEVEL IN COOLING | | | | | | | | | |
|-------------------------------------|----------------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 88 | 87 | 86 | 84 | 81 | 76 | 69 | 63 | 86 |
| 0704T | 88 | 87 | 86 | 84 | 81 | 76 | 69 | 63 | 86 |
| 0804T | 89 | 88 | 87 | 85 | 82 | 77 | 70 | 64 | 87 |
| 0904T | 90 | 89 | 88 | 86 | 83 | 78 | 71 | 65 | 88 |
| 1004T | 91 | 90 | 89 | 87 | 84 | 79 | 72 | 66 | 89 |
| 1104T | 92 | 91 | 90 | 88 | 85 | 80 | 73 | 67 | 90 |
| 1204T | 92 | 91 | 90 | 88 | 85 | 80 | 73 | 67 | 90 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in cooling, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|-----------------------------|-------------------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 69 | 68 | 67 | 65 | 62 | 57 | 50 | 44 | 67 |
| 0704T | 68 | 67 | 66 | 64 | 61 | 56 | 49 | 43 | 66 |
| 0804T | 69 | 68 | 67 | 65 | 62 | 57 | 50 | 44 | 67 |
| 0904T | 70 | 69 | 68 | 66 | 63 | 58 | 51 | 45 | 68 |
| 1004T | 71 | 70 | 69 | 67 | 64 | 59 | 52 | 46 | 69 |
| 1104T | 72 | 71 | 70 | 68 | 65 | 60 | 53 | 47 | 70 |
| 1204T | 72 | 71 | 70 | 68 | 65 | 60 | 53 | 47 | 70 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06/LN-K

| SOUND POWER LEVEL IN HEATING | | | | | | | | | |
|------------------------------|----------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 87 |
| 0704T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 87 |
| 0804T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 88 |
| 0904T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 89 |
| 1004T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 90 |
| 1104T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 91 |
| 1204T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 91 |

Working conditions

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in heating, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|----------------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 68 |
| 0704T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 67 |
| 0804T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 68 |
| 0904T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 69 |
| 1004T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 70 |
| 1104T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 71 |
| 1204T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 71 |

Working conditions

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06/SL-K

| SOUND POWER LEVEL IN COOLING | | | | | | | | | |
|-------------------------------------|----------------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 84 | 83 | 82 | 80 | 77 | 72 | 65 | 59 | 82 |
| 0704T | 85 | 84 | 83 | 81 | 78 | 73 | 66 | 60 | 83 |
| 0804T | 85 | 84 | 83 | 81 | 78 | 73 | 66 | 60 | 83 |
| 0904T | 86 | 85 | 84 | 82 | 79 | 74 | 67 | 61 | 84 |
| 1004T | 87 | 86 | 85 | 83 | 80 | 75 | 68 | 62 | 85 |
| 1104T | 88 | 87 | 86 | 84 | 81 | 76 | 69 | 63 | 86 |
| 1204T | 89 | 88 | 87 | 85 | 82 | 77 | 70 | 64 | 87 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in cooling, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|-----------------------------|-------------------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 65 | 64 | 63 | 61 | 58 | 53 | 46 | 40 | 63 |
| 0704T | 65 | 64 | 63 | 61 | 58 | 53 | 46 | 40 | 63 |
| 0804T | 65 | 64 | 63 | 61 | 58 | 53 | 46 | 40 | 63 |
| 0904T | 66 | 65 | 64 | 62 | 59 | 54 | 47 | 41 | 64 |
| 1004T | 67 | 66 | 65 | 63 | 60 | 55 | 48 | 42 | 65 |
| 1104T | 68 | 67 | 66 | 64 | 61 | 56 | 49 | 43 | 66 |
| 1204T | 69 | 68 | 67 | 65 | 62 | 57 | 50 | 44 | 67 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06/SL-K

| SOUND POWER LEVEL IN HEATING | | | | | | | | | |
|------------------------------|----------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 |
| 0704T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 |
| 0804T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 |
| 0904T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| 1004T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| 1104T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 |
| 1204T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 |

Working conditions

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in heating, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|----------------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 |
| 0704T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 |
| 0804T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 |
| 0904T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| 1004T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 |
| 1104T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 |
| 1204T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |

Working conditions

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06/CA

| SOUND POWER LEVEL IN COOLING | | | | | | | | | |
|-------------------------------------|----------------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 95 | 94 | 91 | 89 | 88 | 83 | 77 | 72 | 92 |
| 0704T | 95 | 94 | 91 | 89 | 88 | 83 | 77 | 72 | 92 |
| 0804T | 97 | 96 | 93 | 91 | 90 | 85 | 79 | 74 | 94 |
| 0904T | 97 | 96 | 93 | 91 | 90 | 85 | 79 | 74 | 94 |
| 1004T | 98 | 97 | 94 | 92 | 91 | 86 | 80 | 75 | 95 |
| 1104T | 100 | 99 | 96 | 94 | 93 | 88 | 82 | 76 | 97 |
| 1204T | 100 | 99 | 96 | 94 | 93 | 88 | 82 | 76 | 97 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in cooling, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|-----------------------------|-------------------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 75 | 74 | 71 | 69 | 68 | 63 | 57 | 52 | 72 |
| 0704T | 75 | 74 | 71 | 69 | 68 | 63 | 57 | 52 | 72 |
| 0804T | 77 | 76 | 73 | 71 | 70 | 65 | 59 | 54 | 74 |
| 0904T | 77 | 76 | 73 | 71 | 70 | 65 | 59 | 54 | 74 |
| 1004T | 78 | 77 | 74 | 72 | 71 | 66 | 60 | 55 | 75 |
| 1104T | 80 | 79 | 76 | 74 | 73 | 68 | 62 | 56 | 77 |
| 1204T | 80 | 79 | 76 | 74 | 73 | 68 | 62 | 56 | 77 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06/CA

| SOUND POWER LEVEL IN HEATING | | | | | | | | | |
|------------------------------|----------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92 |
| 0704T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92 |
| 0804T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94 |
| 0904T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94 |
| 1004T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| 1104T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97 |
| 1204T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97 |

Working conditions

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in heating, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|----------------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 |
| 0704T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 |
| 0804T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 |
| 0904T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 |
| 1004T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| 1104T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |
| 1204T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |

Working conditions

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06/LN-CA

| SOUND POWER LEVEL IN COOLING | | | | | | | | | |
|-------------------------------------|----------------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 88 | 87 | 86 | 84 | 81 | 76 | 69 | 63 | 86 |
| 0704T | 89 | 88 | 87 | 85 | 82 | 77 | 70 | 64 | 87 |
| 0804T | 90 | 89 | 88 | 86 | 83 | 78 | 71 | 65 | 88 |
| 0904T | 91 | 90 | 89 | 87 | 84 | 79 | 72 | 66 | 89 |
| 1004T | 92 | 91 | 90 | 88 | 85 | 80 | 73 | 67 | 90 |
| 1104T | 92 | 91 | 90 | 88 | 85 | 80 | 73 | 67 | 90 |
| 1204T | 93 | 92 | 91 | 89 | 86 | 81 | 74 | 68 | 91 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in cooling, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|-----------------------------|-------------------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 68 | 67 | 66 | 64 | 61 | 56 | 49 | 43 | 66 |
| 0704T | 69 | 68 | 67 | 65 | 62 | 57 | 50 | 44 | 67 |
| 0804T | 70 | 69 | 68 | 66 | 63 | 58 | 51 | 45 | 68 |
| 0904T | 71 | 70 | 69 | 67 | 64 | 59 | 52 | 46 | 69 |
| 1004T | 72 | 71 | 70 | 68 | 65 | 60 | 53 | 47 | 70 |
| 1104T | 72 | 71 | 70 | 68 | 65 | 60 | 53 | 47 | 70 |
| 1204T | 73 | 72 | 71 | 69 | 66 | 61 | 54 | 48 | 71 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06/LN-CA

| SOUND POWER LEVEL IN HEATING | | | | | | | | | |
|------------------------------|----------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 |
| 0704T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 |
| 0804T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| 0904T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| 1004T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 |
| 1104T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 |
| 1204T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92 |

Working conditions

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in heating, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|----------------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 |
| 0704T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| 0804T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69 |
| 0904T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 |
| 1004T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71 |
| 1104T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71 |
| 1204T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 |

Working conditions

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06/SL-CA

| SOUND POWER LEVEL IN COOLING | | | | | | | | | |
|-------------------------------------|----------------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 85 | 84 | 83 | 81 | 78 | 73 | 66 | 60 | 83 |
| 0704T | 85 | 84 | 83 | 81 | 78 | 73 | 66 | 60 | 83 |
| 0804T | 86 | 85 | 84 | 82 | 79 | 74 | 67 | 61 | 84 |
| 0904T | 87 | 86 | 85 | 83 | 80 | 75 | 68 | 62 | 85 |
| 1004T | 88 | 87 | 86 | 84 | 81 | 76 | 69 | 63 | 86 |
| 1104T | 89 | 88 | 87 | 85 | 82 | 77 | 70 | 64 | 87 |
| 1204T | 90 | 89 | 88 | 86 | 83 | 78 | 71 | 65 | 88 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in cooling, outdoors.

| SOUND PRESSURE LEVEL | | | | | | | | | |
|-----------------------------|-------------------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 65 | 64 | 63 | 61 | 58 | 53 | 46 | 40 | 63 |
| 0704T | 65 | 64 | 63 | 61 | 58 | 53 | 46 | 40 | 63 |
| 0804T | 66 | 65 | 64 | 62 | 59 | 54 | 47 | 41 | 64 |
| 0904T | 67 | 66 | 65 | 63 | 60 | 55 | 48 | 42 | 65 |
| 1004T | 68 | 67 | 66 | 64 | 61 | 56 | 49 | 43 | 66 |
| 1104T | 69 | 68 | 67 | 65 | 62 | 57 | 50 | 44 | 67 |
| 1204T | 70 | 69 | 68 | 66 | 63 | 58 | 51 | 45 | 68 |

Working conditions

Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

FULL LOAD SOUND LEVEL

NX-N-G06/SL-CA

| SOUND POWER LEVEL IN HEATING | | | | | | | | | |
|------------------------------|----------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound power level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 84 |
| 0704T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 84 |
| 0804T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 85 |
| 0904T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 86 |
| 1004T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 87 |
| 1104T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 88 |
| 1204T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 89 |

Working conditions

Sound power on the basis of measurements made in compliance with ISO 9614.

Such certification refers specifically to the sound Power Level in dB(A). This is therefore the only acoustic data to be considered as binding.

Sound power level in heating, outdoors.

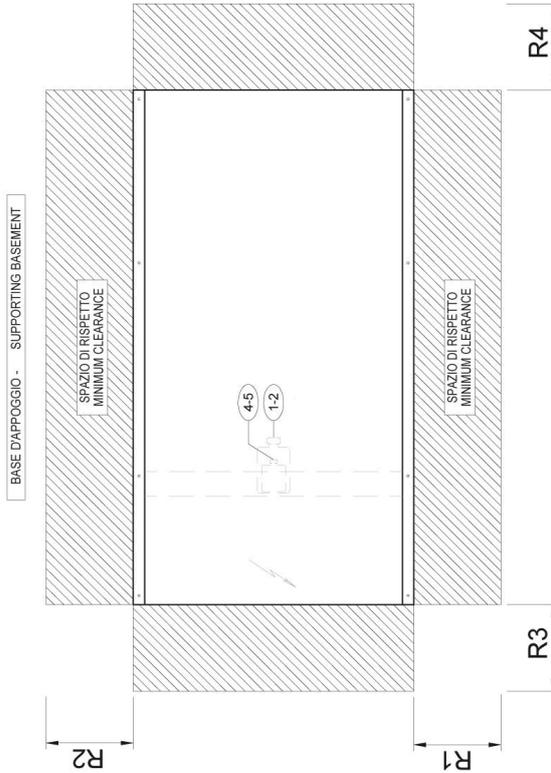
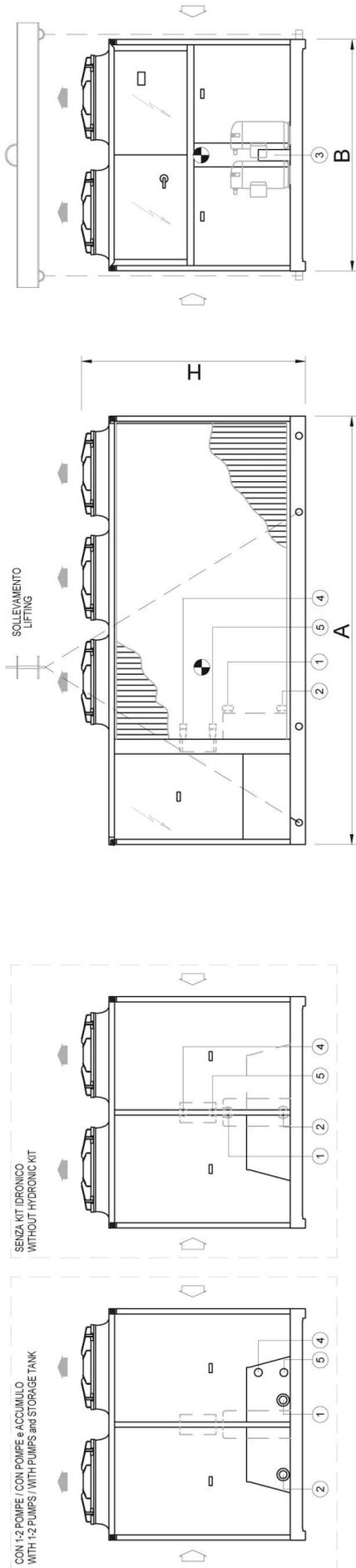
| SOUND PRESSURE LEVEL | | | | | | | | | |
|----------------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|
| SIZE | Octave band [Hz] | | | | | | | | Total sound level dB(A) |
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | Sound pressure level dB | | | | | | | | |
| 0604T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 64 |
| 0704T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 64 |
| 0804T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 65 |
| 0904T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 66 |
| 1004T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 67 |
| 1104T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 68 |
| 1204T | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 69 |

Working conditions

Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

12.1 DIMENSIONAL DRAWINGS

NX-N-G06 0604T - 1204T



- ◁ - ENTRATA ARIA - AIR INLET
- ▷ - USCITA ARIA - AIR OUTLET
- - BARICENTRO - CENTER OF GRAVITY
- ① - ENTRATA ACQUA EVAP. / COND. - EVAP. / COND. WATER INLET
- ② - USCITA ACQUA EVAP. / COND. - EVAP. / COND. WATER OUTLET
- ③ - INGRESSO LINEA ELETTRICA - POWER INLET

Solo per versione NX-N/D
Only for NX-N/D version

- ④ - ENTRATA ACQUA DESURRISCALDATORI - DESUPERHEATERS WATER INLET
- ⑤ - USCITA ACQUA DESURRISCALDATORI - DESUPERHEATERS WATER OUTLET

REMARKS: For installation purposes, please refer to the documentation sent after the purchase contract. This technical data should be considered as indicative. Mitsubishi Electric Hydraulics & IT Cooling Systems S.p.A. may modify them at any moment. Data valid for standard units without any additional option.

DIMENSIONAL DRAWINGS

NX-N-G06 0604T - 1204T

[SI System]

| SIZE | DIMENSIONS AND WEIGHTS | | | | CLEARANCE | | | | HEAT EXCHANGER USER SIDE | | HEAT RECOVERY EX. USER SIDE | |
|--------------------------|------------------------|------|------|--------|-----------|------|------|------|--------------------------|----|-----------------------------|--------|
| | A | B | H | WEIGHT | R1 | R2 | R3 | R4 | IN/OUT | | IN/OUT | |
| | [mm] | [mm] | [mm] | [kg] | [mm] | [mm] | [mm] | [mm] | TYPE | Ø | TYPE | Ø |
| NX-N-G06 /K /0604T | 3110 | 2220 | 2150 | 1850 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /K /0704T | 4110 | 2220 | 2150 | 2070 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /K /0804T | 4110 | 2220 | 2150 | 2210 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /K /0904T | 4110 | 2220 | 2150 | 2470 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /K /1004T | 4110 | 2220 | 2150 | 2610 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /K /1104T | 5110 | 2220 | 2150 | 3090 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /K /1204T | 5110 | 2220 | 2150 | 3110 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /D /K /0604T | 3110 | 2220 | 2150 | 1850 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /K /0704T | 4110 | 2220 | 2150 | 2070 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /K /0804T | 4110 | 2220 | 2150 | 2210 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /K /0904T | 4110 | 2220 | 2150 | 2470 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /K /1004T | 4110 | 2220 | 2150 | 2610 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /K /1104T | 5110 | 2220 | 2150 | 3090 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /D /K /1204T | 5110 | 2220 | 2150 | 3110 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /LN-K /0604T | 3110 | 2220 | 2150 | 1900 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /LN-K /0704T | 4110 | 2220 | 2150 | 2120 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /LN-K /0804T | 4110 | 2220 | 2150 | 2260 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /LN-K /0904T | 4110 | 2220 | 2150 | 2520 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /LN-K /1004T | 4110 | 2220 | 2150 | 2660 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /LN-K /1104T | 5110 | 2220 | 2150 | 3130 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /LN-K /1204T | 5110 | 2220 | 2150 | 3160 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /D /LN-K /0604T | 3110 | 2220 | 2150 | 1900 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /LN-K /0704T | 4110 | 2220 | 2150 | 2120 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /LN-K /0804T | 4110 | 2220 | 2150 | 2260 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /LN-K /0904T | 4110 | 2220 | 2150 | 2520 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /LN-K /1004T | 4110 | 2220 | 2150 | 2660 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /LN-K /1104T | 5110 | 2220 | 2150 | 3130 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /D /LN-K /1204T | 5110 | 2220 | 2150 | 3160 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /SL-K /0604T | 3110 | 2220 | 2150 | 1900 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /SL-K /0704T | 4110 | 2220 | 2150 | 2200 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /SL-K /0804T | 4110 | 2220 | 2150 | 2340 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /SL-K /0904T | 5110 | 2220 | 2150 | 2790 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /SL-K /1004T | 5110 | 2220 | 2150 | 2940 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /SL-K /1104T | 5110 | 2220 | 2150 | 3260 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /SL-K /1204T | 5110 | 2220 | 2150 | 3290 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /D /SL-K /0604T | 3110 | 2220 | 2150 | 1900 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /SL-K /0704T | 4110 | 2220 | 2150 | 2200 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /SL-K /0804T | 4110 | 2220 | 2150 | 2340 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /SL-K /0904T | 5110 | 2220 | 2150 | 2790 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /SL-K /1004T | 5110 | 2220 | 2150 | 2940 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /SL-K /1104T | 5110 | 2220 | 2150 | 3260 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /D /SL-K /1204T | 5110 | 2220 | 2150 | 3290 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /CA /0604T | 4110 | 2220 | 2150 | 2100 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /CA /0704T | 4110 | 2220 | 2150 | 2240 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /CA /0804T | 5110 | 2220 | 2150 | 2630 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /CA /0904T | 5110 | 2220 | 2150 | 2790 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /CA /1004T | 5110 | 2220 | 2150 | 3100 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /CA /1104T | 6110 | 2220 | 2150 | 3580 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /CA /1204T | 6110 | 2220 | 2150 | 3580 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /D /CA /0604T | 4110 | 2220 | 2150 | 2100 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /CA /0704T | 4110 | 2220 | 2150 | 2240 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /CA /0804T | 5110 | 2220 | 2150 | 2630 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |

DIMENSIONAL DRAWINGS

NX-N-G06 0604T - 1204T

[SI System]

| SIZE | DIMENSIONS AND WEIGHTS | | | | CLEARANCE | | | | HEAT EXCHANGER USER SIDE | | HEAT RECOVERY EX. USER SIDE | |
|---------------------------|------------------------|------|------|--------|-----------|------|------|------|--------------------------|----|-----------------------------|--------|
| | A | B | H | WEIGHT | R1 | R2 | R3 | R4 | IN/OUT | | IN/OUT | |
| | [mm] | [mm] | [mm] | [kg] | [mm] | [mm] | [mm] | [mm] | TYPE | Ø | TYPE | Ø |
| NX-N-G06 /D /CA /0904T | 5110 | 2220 | 2150 | 2790 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /CA /1004T | 5110 | 2220 | 2150 | 3100 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /D /CA /1104T | 6110 | 2220 | 2150 | 3580 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /D /CA /1204T | 6110 | 2220 | 2150 | 3580 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /LN-CA /0604T | 4110 | 2220 | 2150 | 2100 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /LN-CA /0704T | 4110 | 2220 | 2150 | 2320 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /LN-CA /0804T | 5110 | 2220 | 2150 | 2630 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /LN-CA /0904T | 5110 | 2220 | 2150 | 2890 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /LN-CA /1004T | 5110 | 2220 | 2150 | 3200 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /LN-CA /1104T | 6110 | 2220 | 2150 | 3550 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /LN-CA /1204T | 6110 | 2220 | 2150 | 3660 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /D /LN-CA /0604T | 4110 | 2220 | 2150 | 2100 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /LN-CA /0704T | 4110 | 2220 | 2150 | 2320 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /LN-CA /0804T | 5110 | 2220 | 2150 | 2630 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /LN-CA /0904T | 5110 | 2220 | 2150 | 2890 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /LN-CA /1004T | 5110 | 2220 | 2150 | 3200 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /D /LN-CA /1104T | 6110 | 2220 | 2150 | 3550 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /D /LN-CA /1204T | 6110 | 2220 | 2150 | 3660 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /SL-CA /0604T | 4110 | 2220 | 2150 | 2180 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /SL-CA /0704T | 4110 | 2220 | 2150 | 2320 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /SL-CA /0804T | 5110 | 2220 | 2150 | 2730 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /SL-CA /0904T | 5110 | 2220 | 2150 | 2890 | 2000 | 2000 | 1100 | 2000 | A | 3" | - | - |
| NX-N-G06 /SL-CA /1004T | 6110 | 2220 | 2150 | 3500 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /SL-CA /1104T | 6110 | 2220 | 2150 | 3550 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /SL-CA /1204T | 6110 | 2220 | 2150 | 3660 | 2000 | 2000 | 1100 | 2000 | A | 4" | - | - |
| NX-N-G06 /D /SL-CA /0604T | 4110 | 2220 | 2150 | 2180 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /SL-CA /0704T | 4110 | 2220 | 2150 | 2320 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /SL-CA /0804T | 5110 | 2220 | 2150 | 2730 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /SL-CA /0904T | 5110 | 2220 | 2150 | 2890 | 2000 | 2000 | 1100 | 2000 | A | 3" | A | 1" 1/2 |
| NX-N-G06 /D /SL-CA /1004T | 6110 | 2220 | 2150 | 3500 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /D /SL-CA /1104T | 6110 | 2220 | 2150 | 3550 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |
| NX-N-G06 /D /SL-CA /1204T | 6110 | 2220 | 2150 | 3660 | 2000 | 2000 | 1100 | 2000 | A | 4" | A | 1" 1/2 |

DIMENSIONAL DRAWINGS

LEGEND OF PIPE CONNECTIONS



TYPE = A
Grooved pipe

| NOMINAL PIPE SIZE | PIPE OUTSIDE DIAMETER |
|-------------------|-----------------------|
| ø inches | ø mm |
| ¾ | 26,7 |
| 1 | 33,7 |
| 1 ¼ | 42,4 |
| 1 ½ | 48,3 |
| 2 | 60,3 |
| 2 ½ | 76,1 |
| 3 | 88,9 |
| 3 ½ | 101,6 |

| NOMINAL PIPE SIZE | PIPE OUTSIDE DIAMETER |
|-------------------|-----------------------|
| ø inches | ø mm |
| 4 | 114,3 |
| 4 ½ | 127,0 |
| 5 | 139,7 |
| 6 | 168,3 |
| 8 | 219,1 |
| 10 | 273,0 |
| 12 | 323,9 |
| 14 | 355,6 |

UNI ISO 228/13

Pipe threads where pressure-tight joints are not made on the threads - Designation, dimensions and tolerances

Used terminology:

G: Pipe threads where pressure-tight joints are not made on the threads

A: Close tolerance class for external pipe threads where pressure-tight joints are not made on the threads

B: Wider tolerance class for external pipe threads where pressure-tight joints are not made on the threads

Internal threads: G letter followed by thread mark (only tolerance class)

External threads: G letter followed by thread mark and by A letter for A class external threads or by B letter for B class external threads.

UNI EN 10226-1

Pipe threads where pressure-tight joints are made on the threads - Designation, dimensions and tolerances

Used terminology:

Rp: Internal cylindrical threads where pressure-tight joints are made on the threads

Rc: Internal conical threads where pressure-tight joints are made on the threads

R: External conical threads where pressure-tight joints are made on the threads

Internal cylindrical threads: R letter followed by p letter

Internal conical threads: R letter followed by c letter

External conical threads: R letter

| DESIGNATION | DESCRIPTION |
|---------------------------|--|
| UNI EN 10226-1 - Rp 1 1/2 | Internal cylindrical threads where pressure-tight joints are made on the threads, defined by standard UNI ISO 7/1 Conventional ø 1 1/2" |
| UNI EN 10226-1 - Rp 2 1/2 | Internal cylindrical threads where pressure-tight joints are made on the threads, defined by standard UNI ISO 7/1 Conventional ø 2 1/2" |
| UNI EN 10226-1 - Rp 3 | Internal cylindrical threads where pressure-tight joints are made on the threads, defined by standard UNI ISO 7/1 Conventional ø 3" |
| UNI EN 10226-1 - R 3 | External conical threads where pressure-tight joints are made on the threads, defined by standard UNI ISO 7/1 Conventional ø 3" |
| UNI ISO 228/1 - G 4 B | Internal cylindrical threads where pressure-tight joints are not made on the threads, defined by standard UNI ISO 228/1 Tolerance class B for external thread Conventional ø 4" |
| DN 80 PN 16 | Flange Nominal Diameter: 80 mm Nominal Pressure: 16 bar |

NOTE:

Conventional diameter value [in inches] identifies short thread designation, based upon the relative standard.

All relative values are defined by standards.

As example, here below some values:

| | UNI EN 10226-1 | UNI ISO 228/1 |
|----------------|----------------|---------------|
| Conventional ø | 1" | 1" |
| Pitch | 2.309 mm | 2.309 mm |
| External ø | 33.249 mm | 33.249 mm |
| Core ø | 30.291 mm | 30.291 mm |
| Thread height | 1.479 mm | 1.479 mm |

13.1 HYDRONIC GROUP

13.1 HYDRONIC GROUP

The units can be fitted with the following types hydronic module:

- Only terminals (ON/OFF or modulating)

The hydronic module allows to control the external pumps with the unit controller logic.

- Pumps (fixed or variable speed)

The hydronic module includes the pumps and the main water circuit components, thus optimizing hydraulic and electrical installation space, time and costs.

The complete list of the options available is present in the accessory section of the bulletin.

For the hydronic modules with only terminals, the factory-mounted components are:

- Terminals for external pumps control (only relays or relays + 0-10V signal)
- Differential pressure switch (on heat exchanger)
- Drain valve (on heat exchanger)

For the hydronic modules with pumps, the factory-mounted components are:

- 2 pumps, 2 or 4 poles, low or high head, fixed speed or variable speed (inverter)
- Pump suction and discharge valves
- One-way valve (Clapet type for in-line pumps)
- Purge valve
- Drain plug
- Differential pressure switch (on heat exchanger)
- Drain valve (on heat exchanger)
- 10 mm insulation lining on pumps and pipes

The pumps are controlled in duty/standby, with running hours equalization and changeover on device failure.

The electrical panel of the unit is protected with fuses and contactors with thermals cut-out.

Each of the components of the hydraulic group has been designed to optimise hydraulic and electrical installation space, time and costs.

The hydronic group is protected by a special casing ventilating (versions LN and SL).

The hydronic kit of this family includes in-line pumps.

13.1 IN-LINE PUMPS

Low or high head pumps

Centrifugal pumps with in-line suction and delivery flanges, in single or twin versions. Pump body in cast iron and impeller in AISI 316L stainless steel or cast-iron, entirely laser technology welded. Mechanical seal with EPDM elastomers. Three-phase electric motor protected to IP55, insulation class F, suitable for continuous service.

13.1 BUFFER TANK

The buffer tank system features:

- buffer tank, which capacity depends on the unit size (see the dedicated table)
- 20 mm insulation lining on buffer tank
- expansion vessel (EPDM membrane), with 2,5 bar pre-charge
- safety valve calibrated to 5 bars (Longitudinal-V shaped units) or 6 bars (Horizontal V-shaped units)
- pressure gauge
- filling valve
- drain valve
- air vent

13.1 SPECIAL PUMPS

For pumps with different configurations, please contact our sales department.

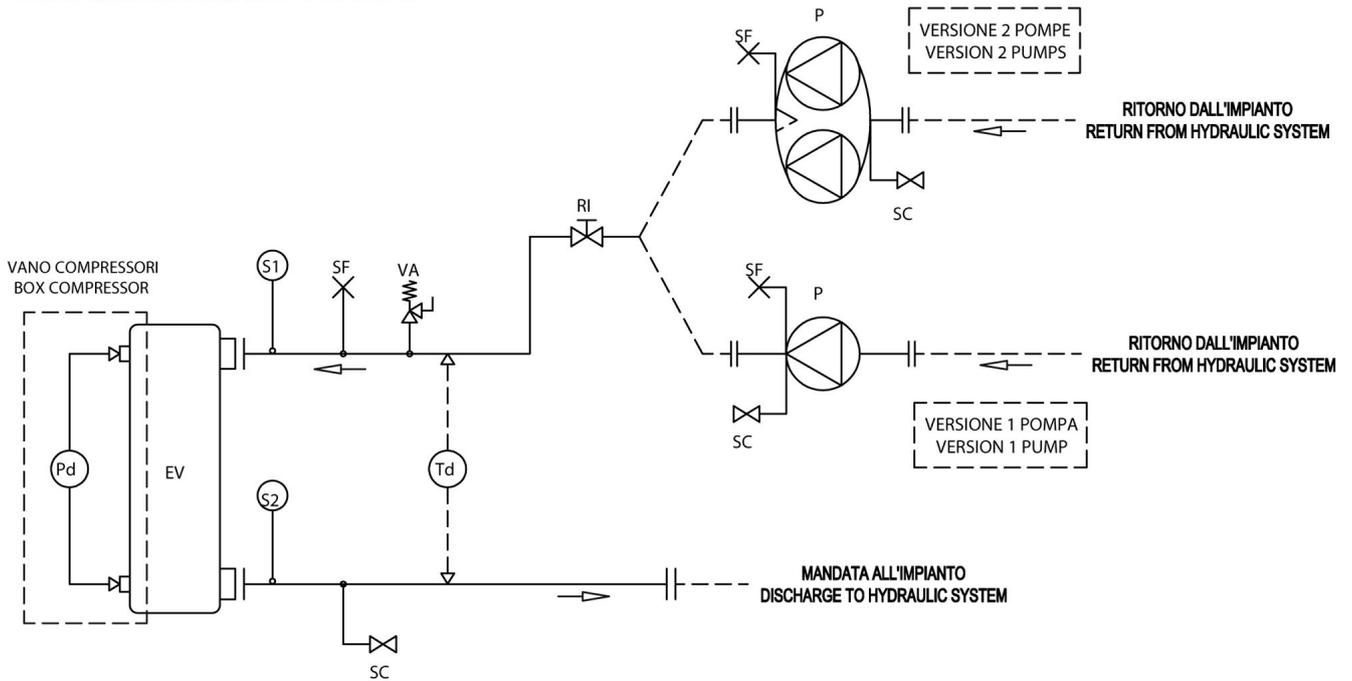
| PUMP GROUP | Versions | | | | | |
|-------------------------------------|----------|---|-------|------|-------|------|
| | CA | K | LN-CA | LN-K | SL-CA | SL-K |
| U - 2 PUMPS 2P LH (FIX SPEED)(4741) | X | X | X | X | X | X |
| U - 2 PUMPS 2P HH (FIX SPEED)(4742) | X | X | X | X | X | X |
| U - 1 PUMP 2P LH (VAR SPEED)(4747) | X | X | X | X | X | X |
| U - 1 PUMP 2P HH (VAR SPEED)(4748) | X | X | X | X | X | X |
| U - 2 PUMPS 2P LH (VAR SPEED)(4752) | X | X | X | X | X | X |
| U - 2 PUMPS 2P HH (VAR SPEED)(4753) | X | X | X | X | X | X |

Possible configurations

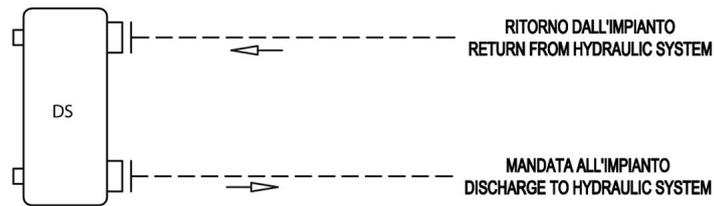
| PUMP GROUP | Versions | | | | | |
|------------------------------------|----------|---|-------|------|-------|------|
| | CA | K | LN-CA | LN-K | SL-CA | SL-K |
| U - 1 PUMP 2P LH (FIX SPEED)(4736) | X | X | X | X | X | X |
| U - 1 PUMP 2P HH (FIX SPEED)(4737) | X | X | X | X | X | X |

HYDRONIC GROUP

SCHEMA IDRAULICO CON 1-2 POMPE
HYDRAULIC DIAGRAM WITH 1-2 PUMPS



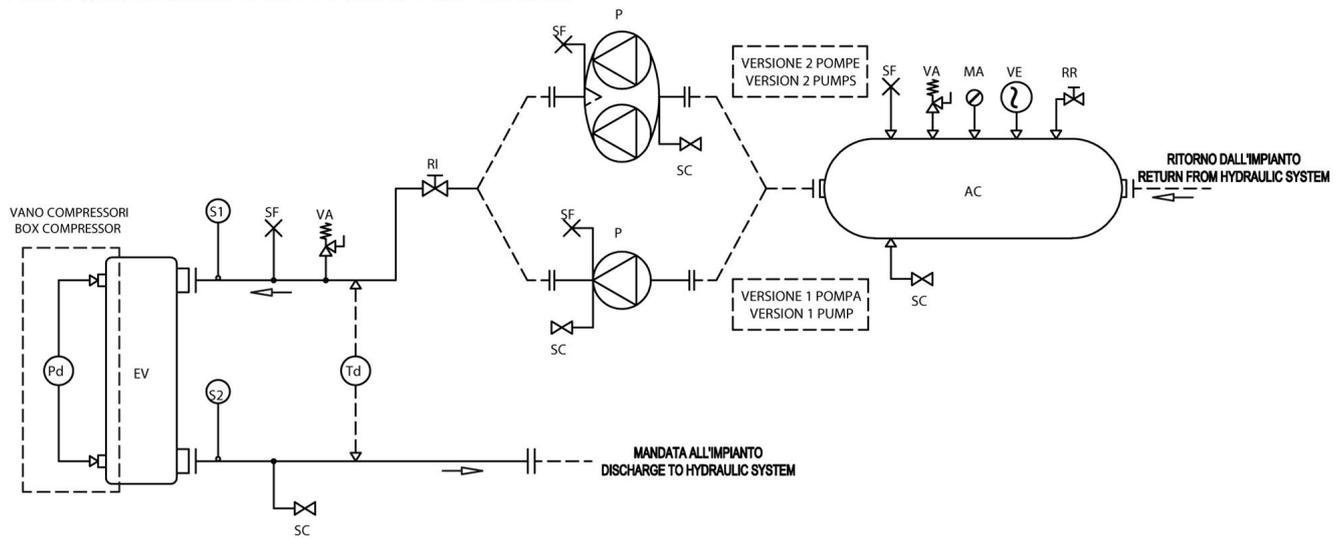
SOLO PER /D
ONLY FOR /D



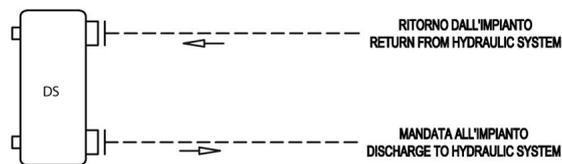
| LEGENDA - LEGEND | |
|------------------|---|
| DS | Desurriscaldatore (scambiatore a piastre - opzionale) Desuperheater (plate exchanger - optional) |
| EV | Evaporatore (scambiatore a piastre) Evaporator (plate exchanger) |
| P | Pompa di circolazione Available pressure pump |
| Pd | Pressostato differenziale Differential pressure switch |
| RI | Rubinetto di intercettazione Shut-off valve |
| SC | Valvola di scarico Drain valve |
| SF | Valvola di sfiato aria Purge valve |
| S1/2 | Sonda temperatura acqua Water temperature probe |
| Td | Trasduttore di pressione differenziale (solo con VPF) Differential pressure transducer (only with VPF) |
| VA | Valvola di sicurezza Safety valve |

HYDRONIC GROUP

SCHEMA IDRAULICO CON 1-2 POMPE + ACCUMULO
HYDRAULIC DIAGRAM WITH 1-2 PUMPS + BUFFER TANK



SOLO PER /D
ONLY FOR /D



| LEGENDA - LEGEND | |
|------------------|---|
| AC | Accumulo Water tank |
| DS | Desurriscaldatore (scambiatore a piastre - opzionale) Desuperheater (plate exchanger - optional) |
| EV | Evaporatore (scambiatore a piastre) Evaporator (plate exchanger) |
| MA | Manometro Water pressure gauge |
| P | Pompa di circolazione Available pressure pump |
| Pd | Pressostato differenziale Differential pressure switch |
| RI | Rubinetto di intercettazione Shut-off valve |
| RR | Rubinetto reintegro Filling valve |
| SC | Valvola di scarico Drain valve |
| SF | Valvola di sfiato aria Purge valve |
| S1/2 | Sonda temperatura acqua Water temperature probe |
| Td | Trasduttore di pressione differenziale (solo con VPF) Differential pressure transducer (only with VPF) |
| VA | Valvola di sicurezza Safety valve |
| VE | Vaso di espansione Expansion tank |

HYDRONIC GROUP

Hydronic kit positioning

| | Version | U - 1 PUMP 2P LH (FIX SPEED) (4736) | | | | U - 1 PUMP 2P HH (FIX SPEED) (4737) | | | | U - 2 PUMPS 2P LH (FIX SPEED) (4741) | | | | U - 2 PUMPS 2P HH (FIX SPEED) (4742) | | | |
|-------|---------|--|-----------------|-----------------|-------------------|--|-----------------|-----------------|-------------------|---|-----------------|-----------------|-------------------|---|-----------------|-----------------|-------------------|
| | | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] |
| 0604T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 0704T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 0804T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 0904T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 1004T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 1104T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 1204T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |

NOT AVAILABLE

- extra L Unit's extra length
- extra W Unit's extra operating width (NOT to be considered for transport)
- extra H Unit's extra height
- extra H Unit's extra weight (pumps and piping)
- U - 1 PUMP 2P LH (FIX SPEED) U - 1 PUMP 2P LH (FIX SPEED)
- U - 1 PUMP 2P HH (FIX SPEED) U - 1 PUMP 2P HH (FIX SPEED)
- U - 2 PUMPS 2P LH (FIX SPEED) U - 2 PUMPS 2P LH (FIX SPEED)
- U - 2 PUMPS 2P HH (FIX SPEED) U - 2 PUMPS 2P HH (FIX SPEED)
- Not available

HYDRONIC GROUP

Hydronic kit positioning

| | Version | U - 1 PUMP 2P LH (FIX SPEED) (4736) | | | | U - 1 PUMP 2P HH (FIX SPEED) (4737) | | | | U - 2 PUMPS 2P LH (FIX SPEED) (4741) | | | | U - 2 PUMPS 2P HH (FIX SPEED) (4742) | | | |
|-------|---------|--|-----------------|-----------------|----------------------|--|-----------------|-----------------|----------------------|---|-----------------|-----------------|----------------------|---|-----------------|-----------------|----------------------|
| | | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] |
| 1204T | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |

| | |
|--------------------------------------|---|
| extra L | Unit's extra length |
| extra W | Unit's extra operating width (NOT to be considered for transport) |
| extra H | Unit's extra height |
| extra H | Unit's extra weight (pumps and piping) |
| U - 1 PUMP 2P LH (FIX SPEED) | U - 1 PUMP 2P LH (FIX SPEED) |
| U - 1 PUMP 2P HH (FIX SPEED) | U - 1 PUMP 2P HH (FIX SPEED) |
| U - 2 PUMPS 2P LH (FIX SPEED) | U - 2 PUMPS 2P LH (FIX SPEED) |
| U - 2 PUMPS 2P HH (FIX SPEED) | U - 2 PUMPS 2P HH (FIX SPEED) |
| - | Not available |

NOT AVAILABLE

HYDRONIC GROUP

Hydronic kit positioning

| | Version | U - 1 PUMP 2P LH (VAR SPEED) (4747) | | | | U - 1 PUMP 2P HH (VAR SPEED) (4748) | | | | U - 2 PUMPS 2P LH (VAR SPEED) (4752) | | | | U - 2 PUMPS 2P HH (VAR SPEED) (4753) | | | |
|-------|---------|--|-----------------|-----------------|-------------------|--|-----------------|-----------------|-------------------|---|-----------------|-----------------|-------------------|---|-----------------|-----------------|-------------------|
| | | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] | extra L [mm] | extra W [mm] | extra H [mm] | extra WGT [kg] |
| 0604T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 0704T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 0804T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 0904T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 1004T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 1104T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| 1204T | CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | LN-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-CA | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |
| | SL-K | / | / | / | - | / | / | / | - | / | / | / | - | / | / | / | - |

NOT AVAILABLE

- extra L** Unit's extra length
- extra W** Unit's extra operating width (NOT to be considered for transport)
- extra H** Unit's extra height
- extra H** Unit's extra height
- extra H** Unit's extra weight (pumps and piping)
- U - 1 PUMP 2P LH (VAR SPEED)** U - 1 PUMP 2P LH (VAR SPEED)
- U - 1 PUMP 2P HH (VAR SPEED)** U - 1 PUMP 2P HH (VAR SPEED)
- U - 2 PUMPS 2P LH (VAR SPEED)** U - 2 PUMPS 2P LH (VAR SPEED)
- U - 2 PUMPS 2P HH (VAR SPEED)** U - 2 PUMPS 2P HH (VAR SPEED)
- Not available

HYDRONIC GROUP

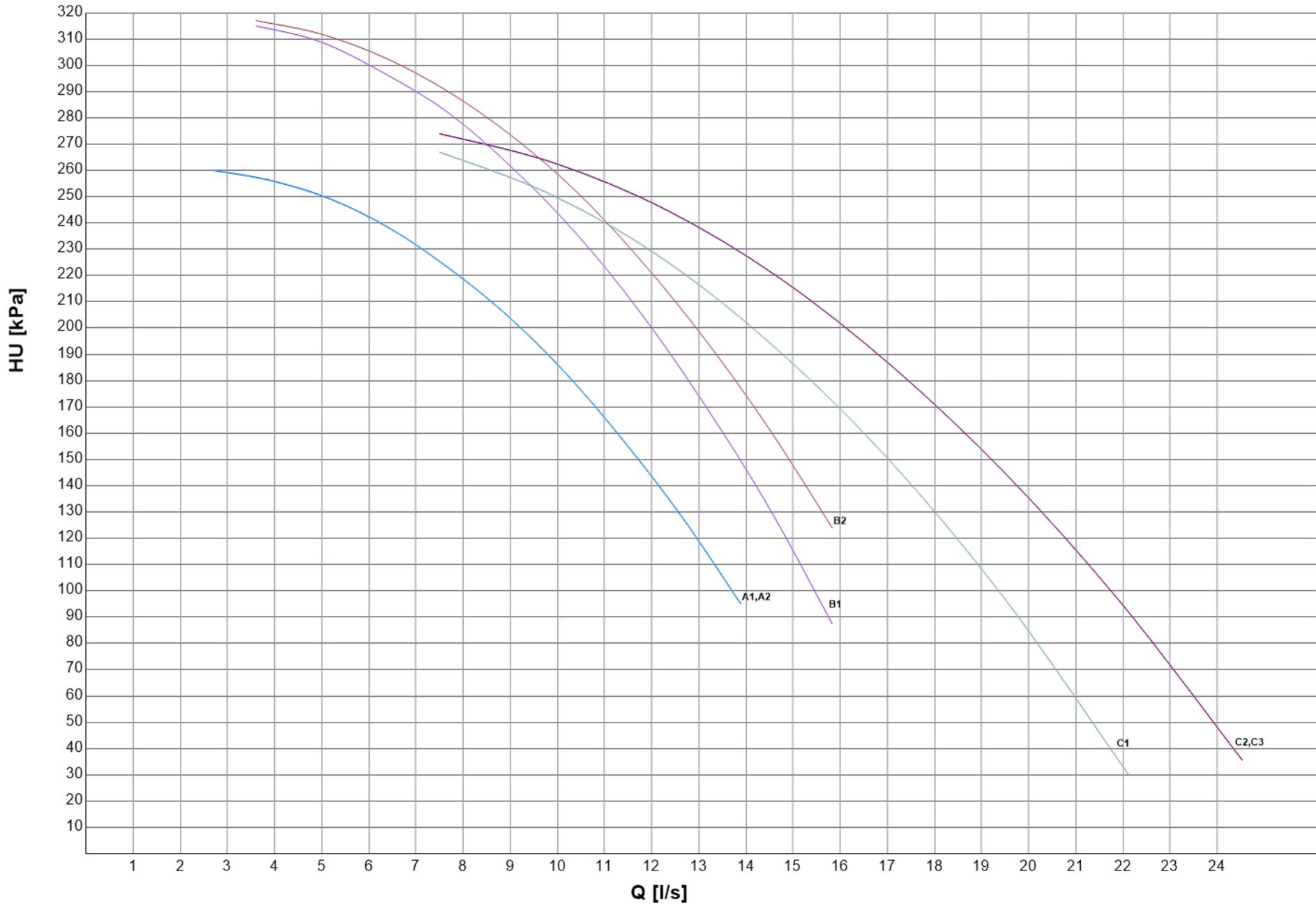
HEAT EXCHANGER USER SIDE - U - 1 PUMP 2P HH (FIX SPEED)

| SIZE | | CH | | HP | | PUMP | | | | | CH | HP |
|-------|-------|----------|-----------|----------|-----------|------|------------------|------|--------|--------|-------|-------|
| | | Pfgross | Qfgross | Ptgross | Qcdgross | Rif. | Model | N. | F.L.A. | F.L.I. | HU | HU |
| | | [kW] (1) | [l/s] (1) | [kW] (1) | [l/s] (1) | | | Pole | [A] | [kW] | [kPa] | [kPa] |
| 0604T | CA | 157,5 | 7,534 | 161,2 | 7,780 | A1 | LNEE 50-160/40/2 | 2 | 8 | 4,000 | 225 | 222 |
| | K | 153,7 | 7,349 | 163,1 | 7,873 | | | | | | 228 | 221 |
| | LN-CA | 152,3 | 7,282 | 159,8 | 7,711 | | | | | | 229 | 223 |
| | LN-K | 146,6 | 7,012 | 155,4 | 7,503 | | | | | | 232 | 226 |
| | SL-CA | 151,4 | 7,239 | 159,1 | 7,680 | | | | | | 229 | 223 |
| | SL-K | 142,1 | 6,796 | 150,6 | 7,270 | | | | | | 234 | 229 |
| 0704T | CA | 183,1 | 8,757 | 187,1 | 9,031 | A2 | LNEE 50-160/40/2 | 2 | 8 | 4,000 | 208 | 203 |
| | K | 178,4 | 8,529 | 189,6 | 9,154 | | | | | | 211 | 201 |
| | LN-CA | 179,9 | 8,601 | 195,0 | 9,412 | | | | | | 210 | 197 |
| | LN-K | 167,4 | 8,005 | 180,7 | 8,722 | | | | | | 219 | 208 |
| | SL-CA | 178,1 | 8,516 | 190,7 | 9,204 | | | | | | 212 | 200 |
| | SL-K | 168,5 | 8,057 | 181,4 | 8,757 | | | | | | 218 | 208 |
| 0804T | CA | 213,5 | 10,21 | 223,3 | 10,78 | B1 | LNEE 50-160/55/2 | 2 | 11 | 5,500 | 240 | 228 |
| | K | 202,5 | 9,686 | 216,6 | 10,46 | | | | | | 250 | 235 |
| | LN-CA | 207,4 | 9,916 | 224,3 | 10,83 | | | | | | 245 | 227 |
| | LN-K | 192,7 | 9,213 | 208,1 | 10,05 | | | | | | 258 | 243 |
| | SL-CA | 206,9 | 9,896 | 223,4 | 10,79 | | | | | | 246 | 228 |
| | SL-K | 193,6 | 9,259 | 209,8 | 10,13 | | | | | | 257 | 241 |
| 0904T | CA | 243,2 | 11,63 | 249,8 | 12,06 | B2 | LNEE 50-160/55/2 | 2 | 11 | 5,500 | 229 | 220 |
| | K | 235,4 | 11,26 | 255,0 | 12,31 | | | | | | 236 | 214 |
| | LN-CA | 237,9 | 11,38 | 258,3 | 12,47 | | | | | | 234 | 211 |
| | LN-K | 224,9 | 10,76 | 239,7 | 11,57 | | | | | | 245 | 230 |
| | SL-CA | 234,9 | 11,23 | 252,2 | 12,17 | | | | | | 236 | 217 |
| | SL-K | 222,7 | 10,65 | 241,4 | 11,65 | | | | | | 247 | 228 |
| 1004T | CA | 271,8 | 13,00 | 275,3 | 13,29 | C1 | LNEE 50-160/55/2 | 2 | 11 | 5,500 | 229 | 226 |
| | K | 263,2 | 12,58 | 281,5 | 13,59 | | | | | | 210 | 195 |
| | LN-CA | 265,4 | 12,69 | 285,7 | 13,79 | | | | | | 233 | 220 |
| | LN-K | 247,8 | 11,85 | 266,7 | 12,88 | | | | | | 221 | 206 |
| | SL-CA | 263,8 | 12,62 | 281,5 | 13,59 | | | | | | 233 | 222 |
| | SL-K | 245,4 | 11,74 | 265,7 | 12,83 | | | | | | 222 | 207 |
| 1104T | CA | 297,7 | 14,24 | 309,3 | 14,93 | C2 | LNEE 65-125/75/2 | 2 | 14 | 7,500 | 225 | 216 |
| | K | 286,0 | 13,68 | 304,5 | 14,70 | | | | | | 231 | 219 |
| | LN-CA | 288,4 | 13,79 | 309,0 | 14,92 | | | | | | 230 | 216 |
| | LN-K | 271,4 | 12,98 | 291,5 | 14,07 | | | | | | 238 | 227 |
| | SL-CA | 286,7 | 13,71 | 305,6 | 14,75 | | | | | | 231 | 218 |
| | SL-K | 269,8 | 12,90 | 288,9 | 13,94 | | | | | | 239 | 228 |
| 1204T | CA | 321,9 | 15,39 | 328,7 | 15,87 | C3 | LNEE 65-125/75/2 | 2 | 14 | 7,500 | 210 | 204 |
| | K | 306,5 | 14,66 | 323,9 | 15,64 | | | | | | 220 | 207 |
| | LN-CA | 311,7 | 14,91 | 336,8 | 16,26 | | | | | | 216 | 198 |
| | LN-K | 291,0 | 13,91 | 309,3 | 14,93 | | | | | | 228 | 216 |
| | SL-CA | 311,2 | 14,88 | 334,6 | 16,15 | | | | | | 217 | 200 |
| | SL-K | 291,2 | 13,93 | 310,3 | 14,98 | | | | | | 228 | 216 |

(1) Values refer to nominal conditions
 CH Cooling mode
 HP HP mode
 Pf Cooling capacity unit (Cooling mode)
 Pt Heating capacity unit (Heating mode)

Q Plant (side) exchanger water flow
 F.L.I. Pump power input
 F.L.A. Pump running current
 HU Pump residual pressure head (Units with hydronic group without mains filter)

HEAT EXCHANGER USER SIDE - U - 1 PUMP 2P HH (FIX SPEED)



HYDRONIC GROUP

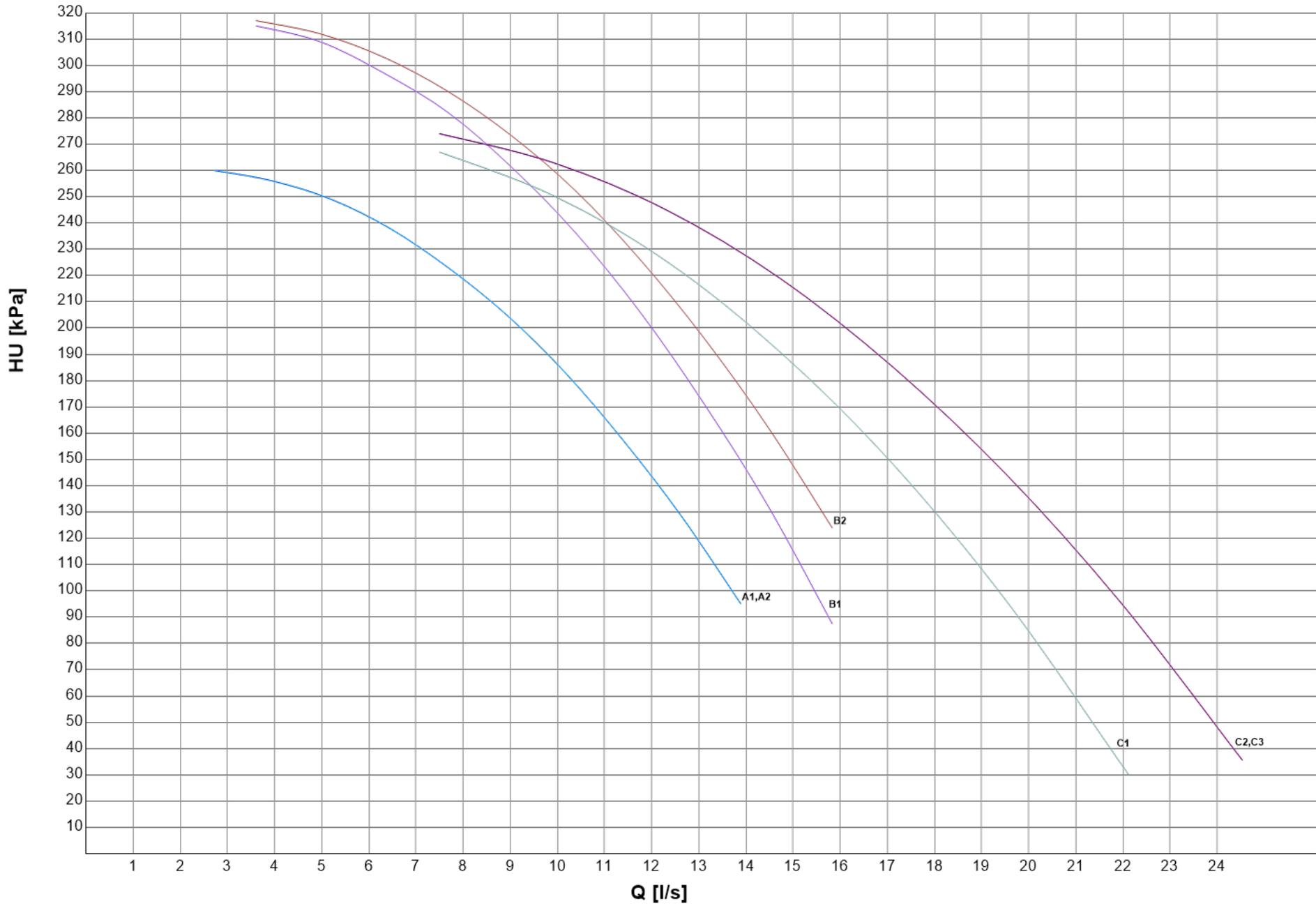
HEAT EXCHANGER USER SIDE - U - 1 PUMP 2P HH (VAR SPEED)

| SIZE | | CH | | HP | | PUMP | | | | CH | HP | | | |
|-------|-------|----------|-----------|----------|-----------|------|------------------|------------------|------------------|--------|-------|-------|-----|-----|
| | | Pfgross | Qfgross | Ptgross | Qcdgross | Rif. | Model | N. | F.L.A. | F.L.I. | HU | HU | | |
| | | [kW] (1) | [l/s] (1) | [kW] (1) | [l/s] (1) | | | Pole | [A] | [kW] | [kPa] | [kPa] | | |
| 0604T | CA | 157,5 | 7,534 | 161,2 | 7,780 | A1 | LNEE 50-160/40/2 | 2 | 8 | 4,000 | 225 | 222 | | |
| | LN-CA | 152,3 | 7,282 | 159,8 | 7,711 | | | | | | 229 | 223 | | |
| | SL-CA | 151,4 | 7,239 | 159,1 | 7,680 | | | | | | 229 | 223 | | |
| 0704T | CA | 183,1 | 8,757 | 187,1 | 9,031 | A2 | | LNEE 50-160/40/2 | 2 | 8 | 4,000 | 208 | 203 | |
| | K | 178,4 | 8,529 | 189,6 | 9,154 | | | | | | | 211 | 201 | |
| | LN-CA | 179,9 | 8,601 | 195,0 | 9,412 | | | | | | | 210 | 197 | |
| | LN-K | 167,4 | 8,005 | 180,7 | 8,722 | | | | | | | 219 | 208 | |
| | SL-CA | 178,1 | 8,516 | 190,7 | 9,204 | | | | | | | 212 | 200 | |
| | SL-K | 168,5 | 8,057 | 181,4 | 8,757 | | | | | | | 218 | 208 | |
| 0804T | CA | 213,5 | 10,21 | 223,3 | 10,78 | B1 | | | LNEE 50-160/55/2 | 2 | 11 | 5,500 | 240 | 228 |
| | K | 202,5 | 9,686 | 216,6 | 10,46 | | | | | | | | 250 | 235 |
| | LN-CA | 207,4 | 9,916 | 224,3 | 10,83 | | | | | | | | 245 | 227 |
| | LN-K | 192,7 | 9,213 | 208,1 | 10,05 | | 258 | | | | | | 243 | |
| | SL-CA | 206,9 | 9,896 | 223,4 | 10,79 | | 246 | | | | | | 228 | |
| | SL-K | 193,6 | 9,259 | 209,8 | 10,13 | | 257 | | | | | | 241 | |
| 0904T | CA | 243,2 | 11,63 | 249,8 | 12,06 | B2 | LNEE 50-160/55/2 | 2 | | 11 | 5,500 | 229 | 220 | |
| | K | 235,4 | 11,26 | 255,0 | 12,31 | | | | | | | 236 | 214 | |
| | LN-CA | 237,9 | 11,38 | 258,3 | 12,47 | | | | | | | 234 | 211 | |
| | LN-K | 224,9 | 10,76 | 239,7 | 11,57 | | | | | | | 245 | 230 | |
| | SL-CA | 234,9 | 11,23 | 252,2 | 12,17 | | | | | | | 236 | 217 | |
| | SL-K | 222,7 | 10,65 | 241,4 | 11,65 | | | | | | | 247 | 228 | |
| 1004T | CA | 271,8 | 13,00 | 275,3 | 13,29 | C1 | | LNEE 65-125/75/2 | 2 | 14 | 7,500 | 229 | 226 | |
| | K | 263,2 | 12,58 | 281,5 | 13,59 | | | | | | | 210 | 195 | |
| | LN-CA | 265,4 | 12,69 | 285,7 | 13,79 | | | | | | | 233 | 220 | |
| | LN-K | 247,8 | 11,85 | 266,7 | 12,88 | | | | | | | 221 | 206 | |
| | SL-CA | 263,8 | 12,62 | 281,5 | 13,59 | | | | | | | 233 | 222 | |
| | SL-K | 245,4 | 11,74 | 265,7 | 12,83 | | | | | | | 222 | 207 | |
| 1104T | CA | 297,7 | 14,24 | 309,3 | 14,93 | C2 | LNEE 65-125/75/2 | | 2 | 14 | 7,500 | 225 | 216 | |
| | K | 286,0 | 13,68 | 304,5 | 14,70 | | | | | | | 231 | 219 | |
| | LN-CA | 288,4 | 13,79 | 309,0 | 14,92 | | | | | | | 230 | 216 | |
| | LN-K | 271,4 | 12,98 | 291,5 | 14,07 | | | | | | | 238 | 227 | |
| | SL-CA | 286,7 | 13,71 | 305,6 | 14,75 | | | | | | | 231 | 218 | |
| | SL-K | 269,8 | 12,90 | 288,9 | 13,94 | | | | | | | 239 | 228 | |
| 1204T | CA | 321,9 | 15,39 | 328,7 | 15,87 | C3 | | LNEE 65-125/75/2 | 2 | 14 | 7,500 | 210 | 204 | |
| | K | 306,5 | 14,66 | 323,9 | 15,64 | | | | | | | 220 | 207 | |
| | LN-CA | 311,7 | 14,91 | 336,8 | 16,26 | | | | | | | 216 | 198 | |
| | LN-K | 291,0 | 13,91 | 309,3 | 14,93 | | | | | | | 228 | 216 | |
| | SL-CA | 311,2 | 14,88 | 334,6 | 16,15 | | | | | | | 217 | 200 | |
| | SL-K | 291,2 | 13,93 | 310,3 | 14,98 | | | | | | | 228 | 216 | |

(1) Values refer to nominal conditions
 CH Cooling mode
 HP HP mode
 Pf Cooling capacity unit (Cooling mode)
 Pt Heating capacity unit (Heating mode)

Q Plant (side) exchanger water flow
 F.L.I. Pump power input
 F.L.A. Pump running current
 HU Pump residual pressure head (Units with hydronic group without mains filter)

HEAT EXCHANGER USER SIDE - U - 1 PUMP 2P HH (VAR SPEED)



HYDRONIC GROUP

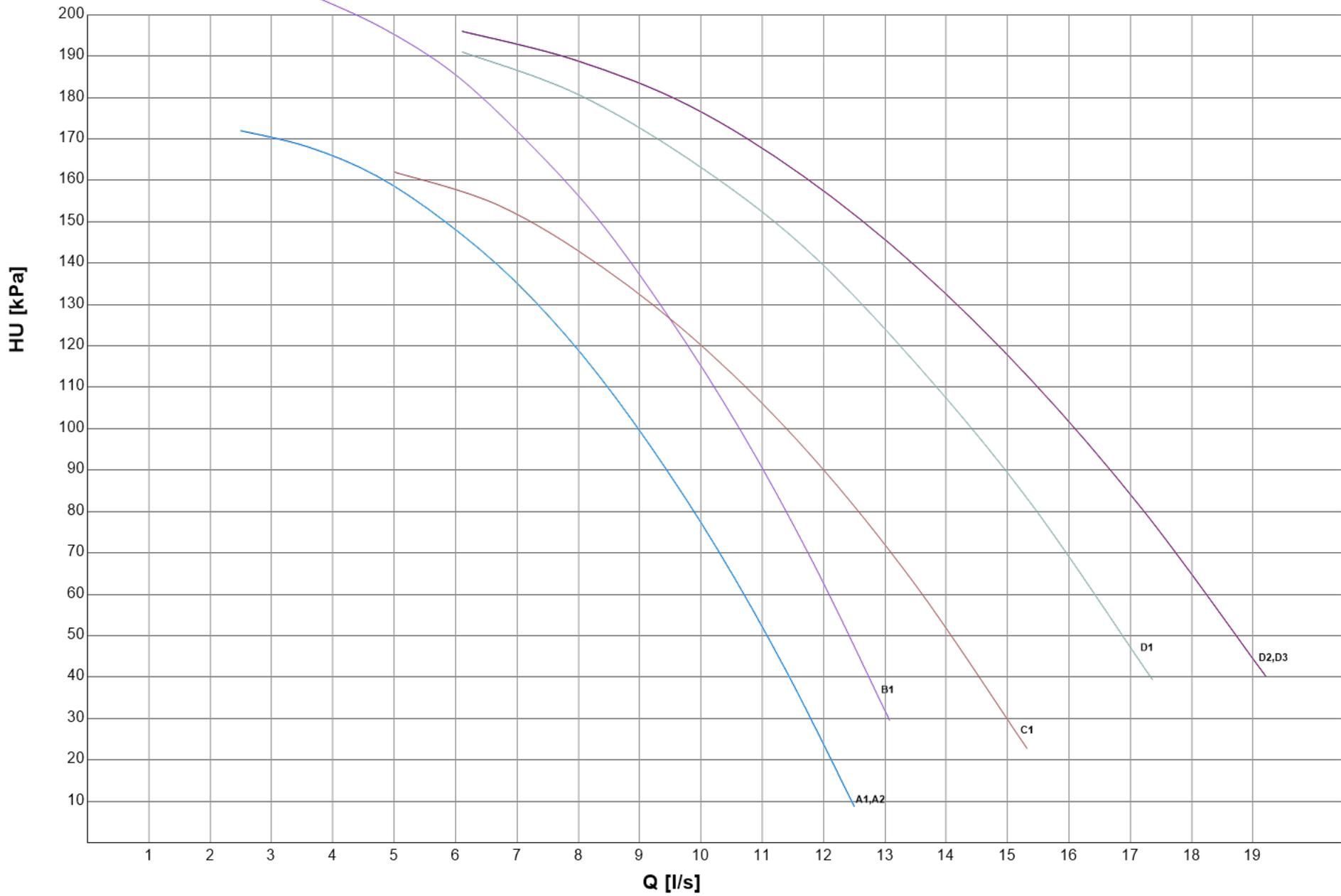
HEAT EXCHANGER USER SIDE - U - 1 PUMP 2P LH (FIX SPEED)

| SIZE | | CH | | HP | | PUMP | | | | | CH | HP |
|-------|-------|----------|-----------|----------|-----------|------|------------------|------|--------|--------|-------|-------|
| | | Pfgross | Qfgross | Ptgross | Qcdgross | Rif. | Model | N. | F.L.A. | F.L.I. | HU | HU |
| | | [kW] (1) | [l/s] (1) | [kW] (1) | [l/s] (1) | | | Pole | [A] | [kW] | [kPa] | [kPa] |
| 0604T | CA | 157,5 | 7,534 | 161,2 | 7,780 | A1 | LNEE 50-125/22/2 | 2 | 5 | 2,200 | 127 | 123 |
| | K | 153,7 | 7,349 | 163,1 | 7,873 | | | | | | 130 | 121 |
| | LN-CA | 152,3 | 7,282 | 159,8 | 7,711 | | | | | | 131 | 124 |
| | LN-K | 146,6 | 7,012 | 155,4 | 7,503 | | | | | | 135 | 127 |
| | SL-CA | 151,4 | 7,239 | 159,1 | 7,680 | | | | | | 131 | 124 |
| | SL-K | 142,1 | 6,796 | 150,6 | 7,270 | | | | | | 138 | 131 |
| 0704T | CA | 183,1 | 8,757 | 187,1 | 9,031 | A2 | LNEE 50-125/22/2 | 2 | 5 | 2,200 | 104 | 98,9 |
| | K | 178,4 | 8,529 | 189,6 | 9,154 | | | | | | 109 | 96,3 |
| | LN-CA | 179,9 | 8,601 | 195,0 | 9,412 | | | | | | 108 | 90,7 |
| | LN-K | 167,4 | 8,005 | 180,7 | 8,722 | | | | | | 119 | 105 |
| | SL-CA | 178,1 | 8,516 | 190,7 | 9,204 | | | | | | 109 | 95,2 |
| | SL-K | 168,5 | 8,057 | 181,4 | 8,757 | | | | | | 118 | 104 |
| 0804T | CA | 213,5 | 10,21 | 223,3 | 10,78 | B1 | LNEE 50-125/30/2 | 2 | 6 | 3,000 | 110 | 96,1 |
| | K | 202,5 | 9,686 | 216,6 | 10,46 | | | | | | 122 | 104 |
| | LN-CA | 207,4 | 9,916 | 224,3 | 10,83 | | | | | | 117 | 94,9 |
| | LN-K | 192,7 | 9,213 | 208,1 | 10,05 | | | | | | 133 | 114 |
| | SL-CA | 206,9 | 9,896 | 223,4 | 10,79 | | | | | | 118 | 96,0 |
| | SL-K | 193,6 | 9,259 | 209,8 | 10,13 | | | | | | 132 | 112 |
| 0904T | CA | 243,2 | 11,63 | 249,8 | 12,06 | C1 | LNEE 65-125/30/2 | 2 | 6 | 3,000 | 96,3 | 89,0 |
| | K | 235,4 | 11,26 | 255,0 | 12,31 | | | | | | 102 | 84,7 |
| | LN-CA | 237,9 | 11,38 | 258,3 | 12,47 | | | | | | 100 | 81,8 |
| | LN-K | 224,9 | 10,76 | 239,7 | 11,57 | | | | | | 110 | 97,2 |
| | SL-CA | 234,9 | 11,23 | 252,2 | 12,17 | | | | | | 103 | 87,1 |
| | SL-K | 222,7 | 10,65 | 241,4 | 11,65 | | | | | | 111 | 95,9 |
| 1004T | CA | 271,8 | 13,00 | 275,3 | 13,29 | D1 | LNEE 65-125/30/2 | 2 | 6 | 3,000 | 137 | 133 |
| | K | 263,2 | 12,58 | 281,5 | 13,59 | | | | | | 119 | 101 |
| | LN-CA | 265,4 | 12,69 | 285,7 | 13,79 | | | | | | 141 | 125 |
| | LN-K | 247,8 | 11,85 | 266,7 | 12,88 | | | | | | 131 | 114 |
| | SL-CA | 263,8 | 12,62 | 281,5 | 13,59 | | | | | | 142 | 128 |
| | SL-K | 245,4 | 11,74 | 265,7 | 12,83 | | | | | | 132 | 115 |
| 1104T | CA | 297,7 | 14,24 | 309,3 | 14,93 | D2 | LNEE 65-125/40/2 | 2 | 8 | 4,000 | 129 | 119 |
| | K | 286,0 | 13,68 | 304,5 | 14,70 | | | | | | 137 | 122 |
| | LN-CA | 288,4 | 13,79 | 309,0 | 14,92 | | | | | | 135 | 119 |
| | LN-K | 271,4 | 12,98 | 291,5 | 14,07 | | | | | | 146 | 132 |
| | SL-CA | 286,7 | 13,71 | 305,6 | 14,75 | | | | | | 136 | 122 |
| | SL-K | 269,8 | 12,90 | 288,9 | 13,94 | | | | | | 147 | 133 |
| 1204T | CA | 321,9 | 15,39 | 328,7 | 15,87 | D3 | LNEE 65-125/40/2 | 2 | 8 | 4,000 | 112 | 104 |
| | K | 306,5 | 14,66 | 323,9 | 15,64 | | | | | | 123 | 108 |
| | LN-CA | 311,7 | 14,91 | 336,8 | 16,26 | | | | | | 119 | 97,4 |
| | LN-K | 291,0 | 13,91 | 309,3 | 14,93 | | | | | | 134 | 119 |
| | SL-CA | 311,2 | 14,88 | 334,6 | 16,15 | | | | | | 120 | 99,3 |
| | SL-K | 291,2 | 13,93 | 310,3 | 14,98 | | | | | | 134 | 118 |

(1) Values refer to nominal conditions
 CH Cooling mode
 HP HP mode
 Pf Cooling capacity unit (Cooling mode)
 Pt Heating capacity unit (Heating mode)

Q Plant (side) exchanger water flow
 F.L.I. Pump power input
 F.L.A. Pump running current
 HU Pump residual pressure head (Units with hydronic group without mains filter)

HEAT EXCHANGER USER SIDE - U - 1 PUMP 2P LH (FIX SPEED)



HYDRONIC GROUP

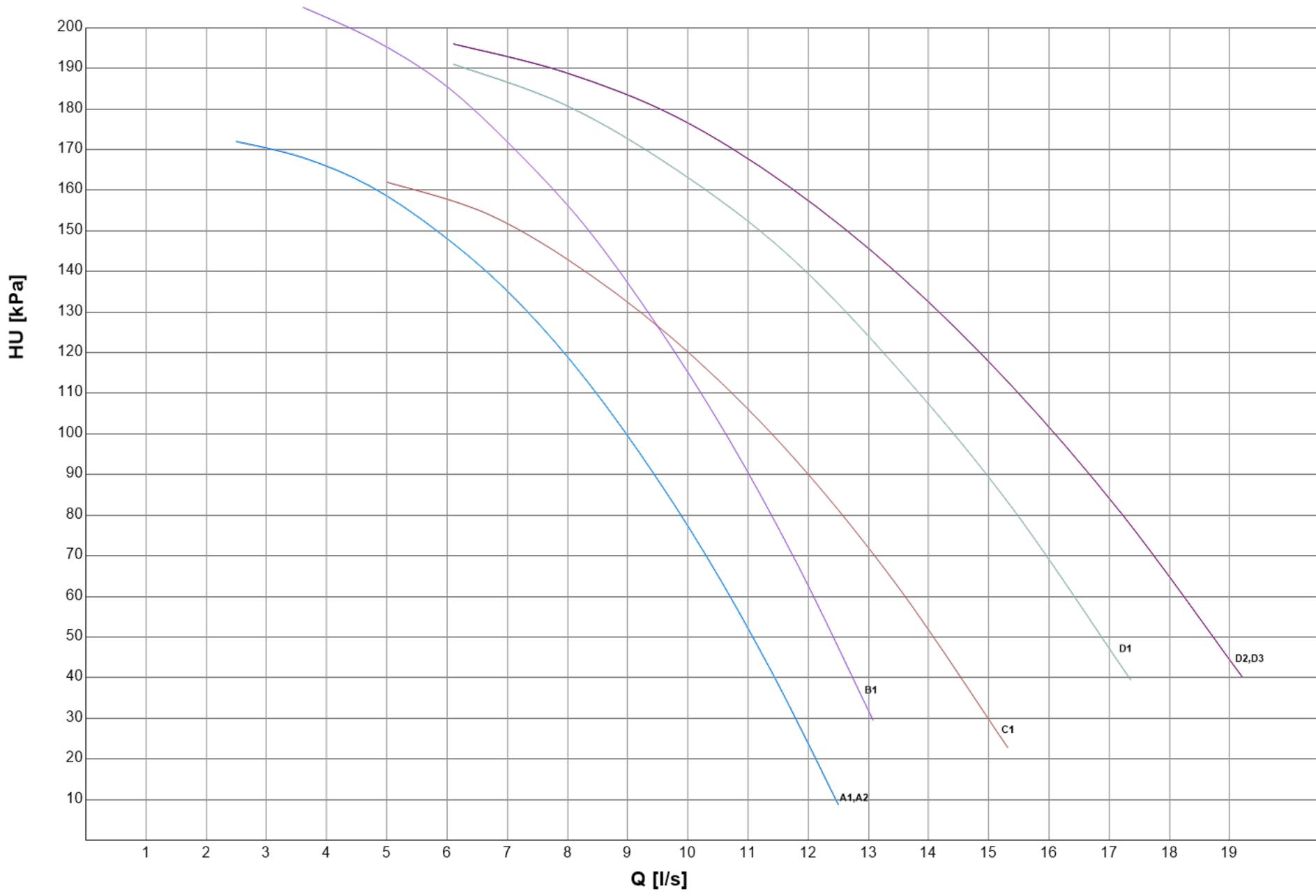
HEAT EXCHANGER USER SIDE - U - 1 PUMP 2P LH (VAR SPEED)

| SIZE | | CH | | HP | | PUMP | | | | | CH | HP | | |
|-------|-------|----------|-----------|----------|-----------|------|------------------|------------------|------------------|--------|-------|-------|------|------|
| | | Pfgross | Qfgross | Ptgross | Qcdgross | Rif. | Model | N. | F.L.A. | F.L.I. | HU | HU | | |
| | | [kW] (1) | [l/s] (1) | [kW] (1) | [l/s] (1) | | | Pole | [A] | [kW] | [kPa] | [kPa] | | |
| 0604T | CA | 157,5 | 7,534 | 161,2 | 7,780 | A1 | LNEE 50-125/22/2 | 2 | 5 | 2,200 | 127 | 123 | | |
| | LN-CA | 152,3 | 7,282 | 159,8 | 7,711 | | | | | | 131 | 124 | | |
| | SL-CA | 151,4 | 7,239 | 159,1 | 7,680 | | | | | | 131 | 124 | | |
| 0704T | CA | 183,1 | 8,757 | 187,1 | 9,031 | A2 | | LNEE 50-125/30/2 | 2 | 6 | 3,000 | 104 | 98,9 | |
| | K | 178,4 | 8,529 | 189,6 | 9,154 | | | | | | | 109 | 96,3 | |
| | LN-CA | 179,9 | 8,601 | 195,0 | 9,412 | | | | | | | 108 | 90,7 | |
| | LN-K | 167,4 | 8,005 | 180,7 | 8,722 | | | | | | | 119 | 105 | |
| | SL-CA | 178,1 | 8,516 | 190,7 | 9,204 | | | | | | | 109 | 95,2 | |
| | SL-K | 168,5 | 8,057 | 181,4 | 8,757 | | | | | | | 118 | 104 | |
| 0804T | CA | 213,5 | 10,21 | 223,3 | 10,78 | B1 | | | LNEE 65-125/30/2 | 2 | 6 | 3,000 | 110 | 96,1 |
| | K | 202,5 | 9,686 | 216,6 | 10,46 | | | | | | | | 122 | 104 |
| | LN-CA | 207,4 | 9,916 | 224,3 | 10,83 | | | | | | | | 117 | 94,9 |
| | LN-K | 192,7 | 9,213 | 208,1 | 10,05 | | 133 | | | | | | 114 | |
| | SL-CA | 206,9 | 9,896 | 223,4 | 10,79 | | 118 | | | | | | 96,0 | |
| | SL-K | 193,6 | 9,259 | 209,8 | 10,13 | | 132 | | | | | | 112 | |
| 0904T | CA | 243,2 | 11,63 | 249,8 | 12,06 | C1 | LNEE 65-125/40/2 | 2 | | 8 | 4,000 | 96,3 | 89,0 | |
| | K | 235,4 | 11,26 | 255,0 | 12,31 | | | | | | | 102 | 84,7 | |
| | LN-CA | 237,9 | 11,38 | 258,3 | 12,47 | | | | | | | 100 | 81,8 | |
| | LN-K | 224,9 | 10,76 | 239,7 | 11,57 | | | | | | | 110 | 97,2 | |
| | SL-CA | 234,9 | 11,23 | 252,2 | 12,17 | | | | | | | 103 | 87,1 | |
| | SL-K | 222,7 | 10,65 | 241,4 | 11,65 | | | | | | | 111 | 95,9 | |
| 1004T | CA | 271,8 | 13,00 | 275,3 | 13,29 | D1 | | LNEE 65-125/40/2 | 2 | 8 | 4,000 | 137 | 133 | |
| | K | 263,2 | 12,58 | 281,5 | 13,59 | | | | | | | 119 | 101 | |
| | LN-CA | 265,4 | 12,69 | 285,7 | 13,79 | | | | | | | 141 | 125 | |
| | LN-K | 247,8 | 11,85 | 266,7 | 12,88 | | | | | | | 131 | 114 | |
| | SL-CA | 263,8 | 12,62 | 281,5 | 13,59 | | | | | | | 142 | 128 | |
| | SL-K | 245,4 | 11,74 | 265,7 | 12,83 | | | | | | | 132 | 115 | |
| 1104T | CA | 297,7 | 14,24 | 309,3 | 14,93 | D2 | LNEE 65-125/40/2 | | 2 | 8 | 4,000 | 129 | 119 | |
| | K | 286,0 | 13,68 | 304,5 | 14,70 | | | | | | | 137 | 122 | |
| | LN-CA | 288,4 | 13,79 | 309,0 | 14,92 | | | | | | | 135 | 119 | |
| | LN-K | 271,4 | 12,98 | 291,5 | 14,07 | | | | | | | 146 | 132 | |
| | SL-CA | 286,7 | 13,71 | 305,6 | 14,75 | | | | | | | 136 | 122 | |
| | SL-K | 269,8 | 12,90 | 288,9 | 13,94 | | | | | | | 147 | 133 | |
| 1204T | CA | 321,9 | 15,39 | 328,7 | 15,87 | D3 | | LNEE 65-125/40/2 | 2 | 8 | 4,000 | 112 | 104 | |
| | K | 306,5 | 14,66 | 323,9 | 15,64 | | | | | | | 123 | 108 | |
| | LN-CA | 311,7 | 14,91 | 336,8 | 16,26 | | | | | | | 119 | 97,4 | |
| | LN-K | 291,0 | 13,91 | 309,3 | 14,93 | | | | | | | 134 | 119 | |
| | SL-CA | 311,2 | 14,88 | 334,6 | 16,15 | | | | | | | 120 | 99,3 | |
| | SL-K | 291,2 | 13,93 | 310,3 | 14,98 | | | | | | | 134 | 118 | |

(1) Values refer to nominal conditions
 CH Cooling mode
 HP HP mode
 Pf Cooling capacity unit (Cooling mode)
 Pt Heating capacity unit (Heating mode)

Q Plant (side) exchanger water flow
 F.L.I. Pump power input
 F.L.A. Pump running current
 HU Pump residual pressure head (Units with hydronic group without mains filter)

HEAT EXCHANGER USER SIDE - U - 1 PUMP 2P LH (VAR SPEED)



HYDRONIC GROUP

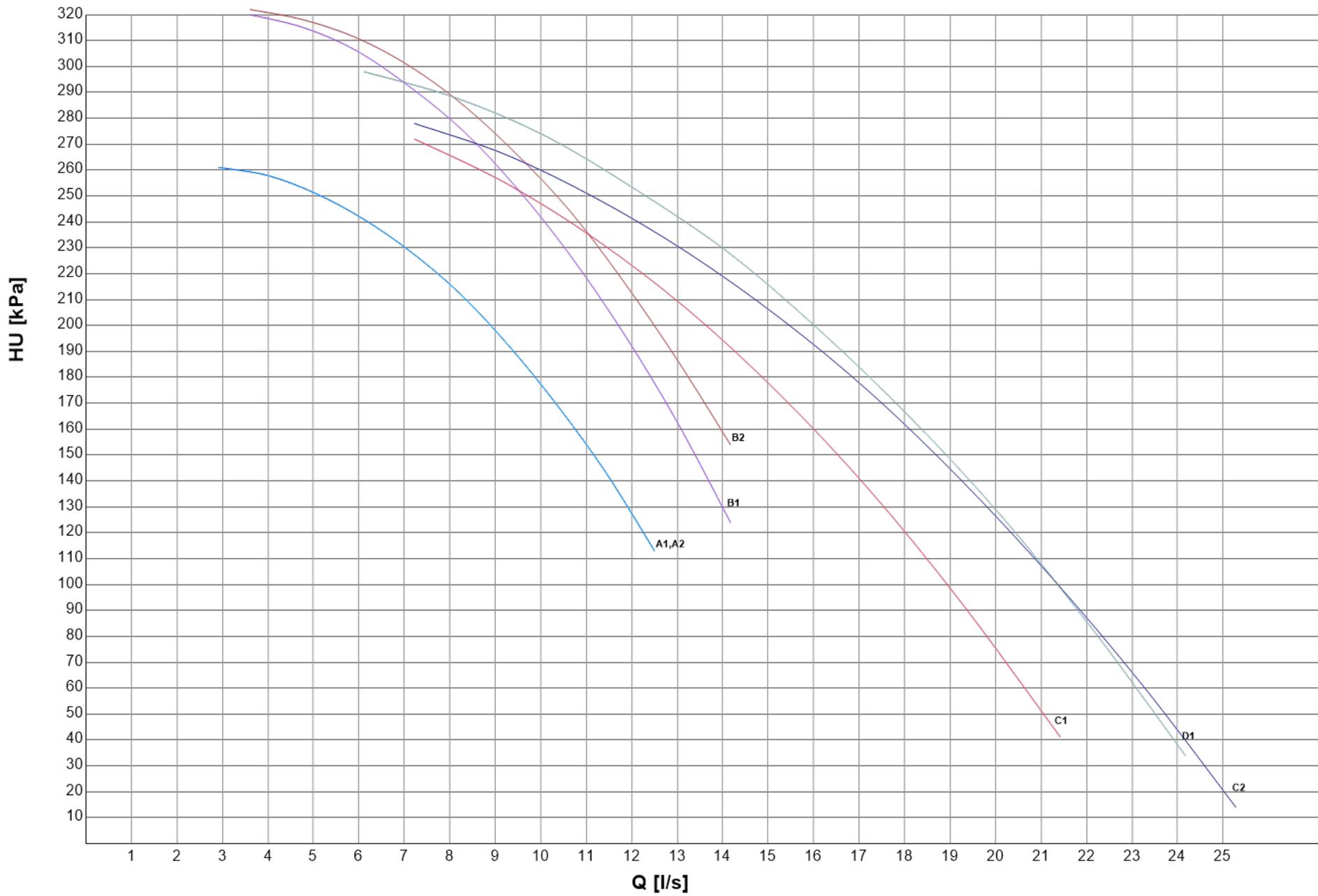
HEAT EXCHANGER USER SIDE - U - 2 PUMPS 2P HH (FIX SPEED)

| SIZE | | CH | | HP | | PUMP | | | | | CH | HP |
|-------|-------|----------|-----------|----------|-----------|------|------------------|------|--------|--------|-------|-------|
| | | Pfgross | Qfgross | Ptgross | Qcdgross | Rif. | Model | N. | F.L.A. | F.L.I. | HU | HU |
| | | [kW] (1) | [l/s] (1) | [kW] (1) | [l/s] (1) | | | Pole | [A] | [kW] | [kPa] | [kPa] |
| 0604T | CA | 157,5 | 7,534 | 161,2 | 7,780 | A1 | LNTE 50-160/40/2 | 2 | 8 | 4,000 | 223 | 219 |
| | K | 153,7 | 7,349 | 163,1 | 7,873 | | | | | | 226 | 218 |
| | LN-CA | 152,3 | 7,282 | 159,8 | 7,711 | | | | | | 227 | 220 |
| | LN-K | 146,6 | 7,012 | 155,4 | 7,503 | | | | | | 230 | 223 |
| | SL-CA | 151,4 | 7,239 | 159,1 | 7,680 | | | | | | 227 | 221 |
| | SL-K | 142,1 | 6,796 | 150,6 | 7,270 | | | | | | 233 | 227 |
| 0704T | CA | 183,1 | 8,757 | 187,1 | 9,031 | A2 | LNTE 50-160/40/2 | 2 | 8 | 4,000 | 203 | 197 |
| | K | 178,4 | 8,529 | 189,6 | 9,154 | | | | | | 207 | 195 |
| | LN-CA | 179,9 | 8,601 | 195,0 | 9,412 | | | | | | 205 | 190 |
| | LN-K | 167,4 | 8,005 | 180,7 | 8,722 | | | | | | 216 | 203 |
| | SL-CA | 178,1 | 8,516 | 190,7 | 9,204 | | | | | | 207 | 194 |
| | SL-K | 168,5 | 8,057 | 181,4 | 8,757 | | | | | | 215 | 203 |
| 0804T | CA | 213,5 | 10,21 | 223,3 | 10,78 | B1 | LNTE 50-160/55/2 | 2 | 11 | 5,500 | 237 | 224 |
| | K | 202,5 | 9,686 | 216,6 | 10,46 | | | | | | 249 | 232 |
| | LN-CA | 207,4 | 9,916 | 224,3 | 10,83 | | | | | | 244 | 223 |
| | LN-K | 192,7 | 9,213 | 208,1 | 10,05 | | | | | | 258 | 241 |
| | SL-CA | 206,9 | 9,896 | 223,4 | 10,79 | | | | | | 244 | 224 |
| | SL-K | 193,6 | 9,259 | 209,8 | 10,13 | | | | | | 257 | 239 |
| 0904T | CA | 243,2 | 11,63 | 249,8 | 12,06 | B2 | LNTE 50-160/55/2 | 2 | 11 | 5,500 | 222 | 212 |
| | K | 235,4 | 11,26 | 255,0 | 12,31 | | | | | | 230 | 205 |
| | LN-CA | 237,9 | 11,38 | 258,3 | 12,47 | | | | | | 228 | 201 |
| | LN-K | 224,9 | 10,76 | 239,7 | 11,57 | | | | | | 241 | 223 |
| | SL-CA | 234,9 | 11,23 | 252,2 | 12,17 | | | | | | 231 | 209 |
| | SL-K | 222,7 | 10,65 | 241,4 | 11,65 | | | | | | 243 | 221 |
| 1004T | CA | 271,8 | 13,00 | 275,3 | 13,29 | C1 | LNTE 65-125/75/2 | 2 | 14 | 7,500 | 222 | 218 |
| | K | 263,2 | 12,58 | 281,5 | 13,59 | | | | | | 204 | 187 |
| | LN-CA | 265,4 | 12,69 | 285,7 | 13,79 | | | | | | 226 | 212 |
| | LN-K | 247,8 | 11,85 | 266,7 | 12,88 | | | | | | 215 | 199 |
| | SL-CA | 263,8 | 12,62 | 281,5 | 13,59 | | | | | | 227 | 214 |
| | SL-K | 245,4 | 11,74 | 265,7 | 12,83 | | | | | | 217 | 200 |
| 1104T | CA | 297,7 | 14,24 | 309,3 | 14,93 | C2 | LNTE 65-125/75/2 | 2 | 14 | 7,500 | 216 | 207 |
| | K | 286,0 | 13,68 | 304,5 | 14,70 | | | | | | 223 | 210 |
| | LN-CA | 288,4 | 13,79 | 309,0 | 14,92 | | | | | | 222 | 207 |
| | LN-K | 271,4 | 12,98 | 291,5 | 14,07 | | | | | | 231 | 218 |
| | SL-CA | 286,7 | 13,71 | 305,6 | 14,75 | | | | | | 223 | 210 |
| | SL-K | 269,8 | 12,90 | 288,9 | 13,94 | | | | | | 232 | 220 |
| 1204T | CA | 321,9 | 15,39 | 328,7 | 15,87 | D1 | LNTE 65-160/75/2 | 2 | 14 | 7,500 | 210 | 203 |
| | K | 306,5 | 14,66 | 323,9 | 15,64 | | | | | | 221 | 206 |
| | LN-CA | 311,7 | 14,91 | 336,8 | 16,26 | | | | | | 217 | 197 |
| | LN-K | 291,0 | 13,91 | 309,3 | 14,93 | | | | | | 231 | 217 |
| | SL-CA | 311,2 | 14,88 | 334,6 | 16,15 | | | | | | 217 | 198 |
| | SL-K | 291,2 | 13,93 | 310,3 | 14,98 | | | | | | 231 | 216 |

(1) Values refer to nominal conditions
 CH Cooling mode
 HP HP mode
 Pf Cooling capacity unit (Cooling mode)
 Pt Heating capacity unit (Heating mode)

Q Plant (side) exchanger water flow
 F.L.I. Pump power input
 F.L.A. Pump running current
 HU Pump residual pressure head (Units with hydronic group without mains filter)

HEAT EXCHANGER USER SIDE - U - 2 PUMPS 2P HH (FIX SPEED)



HYDRONIC GROUP

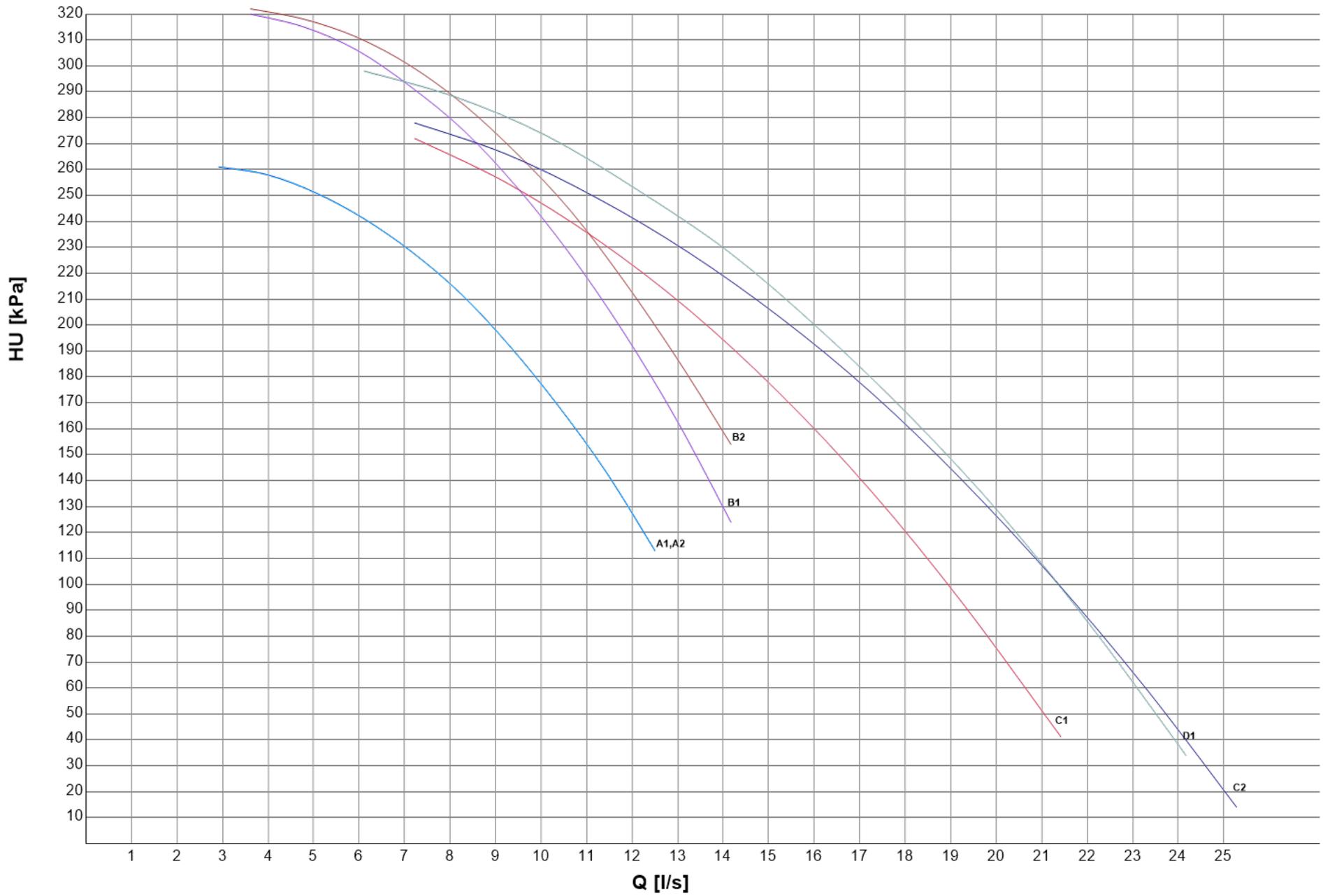
HEAT EXCHANGER USER SIDE - U - 2 PUMPS 2P HH (VAR SPEED)

| SIZE | | CH | | HP | | PUMP | | | | | CH | HP | |
|-------|-------|----------|-----------|----------|-----------|------|------------------|------------------|--------|--------|-------|-------|-----|
| | | Pfgross | Qfgross | Ptgross | Qcdgross | Rif. | Model | N. | F.L.A. | F.L.I. | HU | HU | |
| | | [kW] (1) | [l/s] (1) | [kW] (1) | [l/s] (1) | | | Pole | [A] | [kW] | [kPa] | [kPa] | |
| 0604T | CA | 157,5 | 7,534 | 161,2 | 7,780 | A1 | LNTE 50-160/40/2 | 2 | 8 | 4,000 | 223 | 219 | |
| | LN-CA | 152,3 | 7,282 | 159,8 | 7,711 | | | | | | 227 | 220 | |
| | SL-CA | 151,4 | 7,239 | 159,1 | 7,680 | | | | | | 227 | 221 | |
| 0704T | CA | 183,1 | 8,757 | 187,1 | 9,031 | A2 | | | | | 203 | 197 | |
| | K | 178,4 | 8,529 | 189,6 | 9,154 | | | | | | 207 | 195 | |
| | LN-CA | 179,9 | 8,601 | 195,0 | 9,412 | | | | | | 205 | 190 | |
| | LN-K | 167,4 | 8,005 | 180,7 | 8,722 | | | 216 | 203 | | | | |
| SL-CA | 178,1 | 8,516 | 190,7 | 9,204 | 207 | | | 194 | | | | | |
| SL-K | 168,5 | 8,057 | 181,4 | 8,757 | 215 | | | 203 | | | | | |
| 0804T | CA | 213,5 | 10,21 | 223,3 | 10,78 | B1 | | LNTE 50-160/55/2 | 2 | 11 | 5,500 | 237 | 224 |
| | K | 202,5 | 9,686 | 216,6 | 10,46 | | | | | | | 249 | 232 |
| | LN-CA | 207,4 | 9,916 | 224,3 | 10,83 | | | | | | | 244 | 223 |
| | LN-K | 192,7 | 9,213 | 208,1 | 10,05 | | 258 | | | | | 241 | |
| | SL-CA | 206,9 | 9,896 | 223,4 | 10,79 | | 244 | | | | | 224 | |
| | SL-K | 193,6 | 9,259 | 209,8 | 10,13 | | 257 | | | | | 239 | |
| 0904T | CA | 243,2 | 11,63 | 249,8 | 12,06 | B2 | 222 | | 212 | | | | |
| | K | 235,4 | 11,26 | 255,0 | 12,31 | | 230 | | 205 | | | | |
| | LN-CA | 237,9 | 11,38 | 258,3 | 12,47 | | 228 | | 201 | | | | |
| | LN-K | 224,9 | 10,76 | 239,7 | 11,57 | | 241 | | 223 | | | | |
| | SL-CA | 234,9 | 11,23 | 252,2 | 12,17 | | 231 | | 209 | | | | |
| | SL-K | 222,7 | 10,65 | 241,4 | 11,65 | | 243 | | 221 | | | | |
| 1004T | CA | 271,8 | 13,00 | 275,3 | 13,29 | C1 | LNTE 65-125/75/2 | 2 | 14 | 7,500 | 222 | 218 | |
| | K | 263,2 | 12,58 | 281,5 | 13,59 | | | | | | 204 | 187 | |
| | LN-CA | 265,4 | 12,69 | 285,7 | 13,79 | | | | | | 226 | 212 | |
| | LN-K | 247,8 | 11,85 | 266,7 | 12,88 | | | | | | 215 | 199 | |
| | SL-CA | 263,8 | 12,62 | 281,5 | 13,59 | | | | | | 227 | 214 | |
| | SL-K | 245,4 | 11,74 | 265,7 | 12,83 | | | | | | 217 | 200 | |
| 1104T | CA | 297,7 | 14,24 | 309,3 | 14,93 | C2 | | 216 | 207 | | | | |
| | K | 286,0 | 13,68 | 304,5 | 14,70 | | | 223 | 210 | | | | |
| | LN-CA | 288,4 | 13,79 | 309,0 | 14,92 | | | 222 | 207 | | | | |
| | LN-K | 271,4 | 12,98 | 291,5 | 14,07 | | | 231 | 218 | | | | |
| | SL-CA | 286,7 | 13,71 | 305,6 | 14,75 | | | 223 | 210 | | | | |
| | SL-K | 269,8 | 12,90 | 288,9 | 13,94 | | | 232 | 220 | | | | |
| 1204T | CA | 321,9 | 15,39 | 328,7 | 15,87 | D1 | LNTE 65-160/75/2 | 2 | 14 | 7,500 | 210 | 203 | |
| | K | 306,5 | 14,66 | 323,9 | 15,64 | | | | | | 221 | 206 | |
| | LN-CA | 311,7 | 14,91 | 336,8 | 16,26 | | | | | | 217 | 197 | |
| | LN-K | 291,0 | 13,91 | 309,3 | 14,93 | | | | | | 231 | 217 | |
| | SL-CA | 311,2 | 14,88 | 334,6 | 16,15 | | | | | | 217 | 198 | |
| | SL-K | 291,2 | 13,93 | 310,3 | 14,98 | | | | | | 231 | 216 | |

(1) Values refer to nominal conditions
 CH Cooling mode
 HP HP mode
 Pf Cooling capacity unit (Cooling mode)
 Pt Heating capacity unit (Heating mode)

Q Plant (side) exchanger water flow
 F.L.I. Pump power input
 F.L.A. Pump running current
 HU Pump residual pressure head (Units with hydronic group without mains filter)

HEAT EXCHANGER USER SIDE - U - 2 PUMPS 2P HH (VAR SPEED)



HYDRONIC GROUP

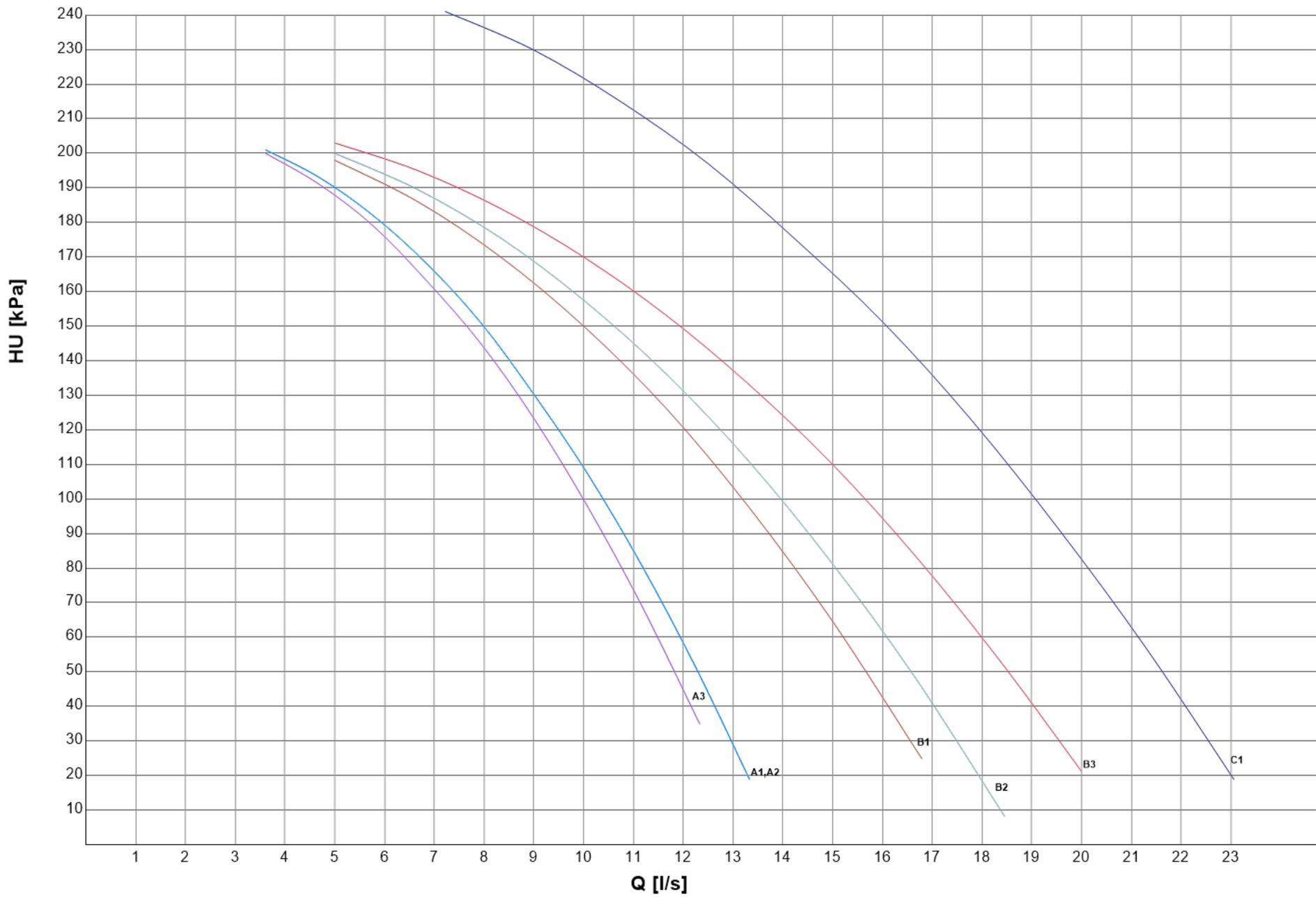
HEAT EXCHANGER USER SIDE - U - 2 PUMPS 2P LH (FIX SPEED)

| SIZE | | CH | | HP | | PUMP | | | | | CH | HP |
|-------|-------|----------|-----------|----------|-----------|------|------------------|------|--------|--------|-------|-------|
| | | Pfgross | Qfgross | Ptgross | Qcdgross | Rif. | Model | N. | F.L.A. | F.L.I. | HU | HU |
| | | [kW] (1) | [l/s] (1) | [kW] (1) | [l/s] (1) | | | Pole | [A] | [kW] | [kPa] | [kPa] |
| 0604T | CA | 157,5 | 7,534 | 161,2 | 7,780 | A1 | LNTE 50-125/30/2 | 2 | 6 | 3,000 | 157 | 153 |
| | K | 153,7 | 7,349 | 163,1 | 7,873 | | | | | | 160 | 152 |
| | LN-CA | 152,3 | 7,282 | 159,8 | 7,711 | | | | | | 161 | 154 |
| | LN-K | 146,6 | 7,012 | 155,4 | 7,503 | | | | | | 165 | 158 |
| | SL-CA | 151,4 | 7,239 | 159,1 | 7,680 | | | | | | 162 | 155 |
| | SL-K | 142,1 | 6,796 | 150,6 | 7,270 | | | | | | 169 | 162 |
| 0704T | CA | 183,1 | 8,757 | 187,1 | 9,031 | A2 | LNTE 50-125/30/2 | 2 | 6 | 3,000 | 135 | 130 |
| | K | 178,4 | 8,529 | 189,6 | 9,154 | | | | | | 140 | 127 |
| | LN-CA | 179,9 | 8,601 | 195,0 | 9,412 | | | | | | 138 | 122 |
| | LN-K | 167,4 | 8,005 | 180,7 | 8,722 | | | | | | 149 | 136 |
| | SL-CA | 178,1 | 8,516 | 190,7 | 9,204 | | | | | | 140 | 126 |
| | SL-K | 168,5 | 8,057 | 181,4 | 8,757 | | | | | | 148 | 135 |
| 0804T | CA | 213,5 | 10,21 | 223,3 | 10,78 | A3 | LNTE 50-125/30/2 | 2 | 6 | 3,000 | 94,6 | 79,7 |
| | K | 202,5 | 9,686 | 216,6 | 10,46 | | | | | | 107 | 88,3 |
| | LN-CA | 207,4 | 9,916 | 224,3 | 10,83 | | | | | | 102 | 78,4 |
| | LN-K | 192,7 | 9,213 | 208,1 | 10,05 | | | | | | 118 | 98,6 |
| | SL-CA | 206,9 | 9,896 | 223,4 | 10,79 | | | | | | 102 | 79,6 |
| | SL-K | 193,6 | 9,259 | 209,8 | 10,13 | | | | | | 117 | 96,6 |
| 0904T | CA | 243,2 | 11,63 | 249,8 | 12,06 | B1 | LNTE 50-125/30/2 | 2 | 6 | 3,000 | 127 | 120 |
| | K | 235,4 | 11,26 | 255,0 | 12,31 | | | | | | 132 | 115 |
| | LN-CA | 237,9 | 11,38 | 258,3 | 12,47 | | | | | | 130 | 113 |
| | LN-K | 224,9 | 10,76 | 239,7 | 11,57 | | | | | | 140 | 127 |
| | SL-CA | 234,9 | 11,23 | 252,2 | 12,17 | | | | | | 133 | 118 |
| | SL-K | 222,7 | 10,65 | 241,4 | 11,65 | | | | | | 141 | 126 |
| 1004T | CA | 271,8 | 13,00 | 275,3 | 13,29 | B2 | LNTE 65-125/40/2 | 2 | 8 | 4,000 | 128 | 124 |
| | K | 263,2 | 12,58 | 281,5 | 13,59 | | | | | | 111 | 92,6 |
| | LN-CA | 265,4 | 12,69 | 285,7 | 13,79 | | | | | | 133 | 117 |
| | LN-K | 247,8 | 11,85 | 266,7 | 12,88 | | | | | | 123 | 106 |
| | SL-CA | 263,8 | 12,62 | 281,5 | 13,59 | | | | | | 134 | 120 |
| | SL-K | 245,4 | 11,74 | 265,7 | 12,83 | | | | | | 125 | 106 |
| 1104T | CA | 297,7 | 14,24 | 309,3 | 14,93 | B3 | LNTE 65-125/40/2 | 2 | 8 | 4,000 | 121 | 111 |
| | K | 286,0 | 13,68 | 304,5 | 14,70 | | | | | | 129 | 114 |
| | LN-CA | 288,4 | 13,79 | 309,0 | 14,92 | | | | | | 127 | 111 |
| | LN-K | 271,4 | 12,98 | 291,5 | 14,07 | | | | | | 138 | 123 |
| | SL-CA | 286,7 | 13,71 | 305,6 | 14,75 | | | | | | 128 | 113 |
| | SL-K | 269,8 | 12,90 | 288,9 | 13,94 | | | | | | 139 | 125 |
| 1204T | CA | 321,9 | 15,39 | 328,7 | 15,87 | C1 | LNTE 65-125/55/2 | 2 | 11 | 5,500 | 160 | 153 |
| | K | 306,5 | 14,66 | 323,9 | 15,64 | | | | | | 170 | 156 |
| | LN-CA | 311,7 | 14,91 | 336,8 | 16,26 | | | | | | 167 | 147 |
| | LN-K | 291,0 | 13,91 | 309,3 | 14,93 | | | | | | 180 | 166 |
| | SL-CA | 311,2 | 14,88 | 334,6 | 16,15 | | | | | | 167 | 149 |
| | SL-K | 291,2 | 13,93 | 310,3 | 14,98 | | | | | | 180 | 166 |

(1) Values refer to nominal conditions
 CH Cooling mode
 HP HP mode
 Pf Cooling capacity unit (Cooling mode)
 Pt Heating capacity unit (Heating mode)

Q Plant (side) exchanger water flow
 F.L.I. Pump power input
 F.L.A. Pump running current
 HU Pump residual pressure head (Units with hydronic group without mains filter)

HEAT EXCHANGER USER SIDE - U - 2 PUMPS 2P LH (FIX SPEED)



HYDRONIC GROUP

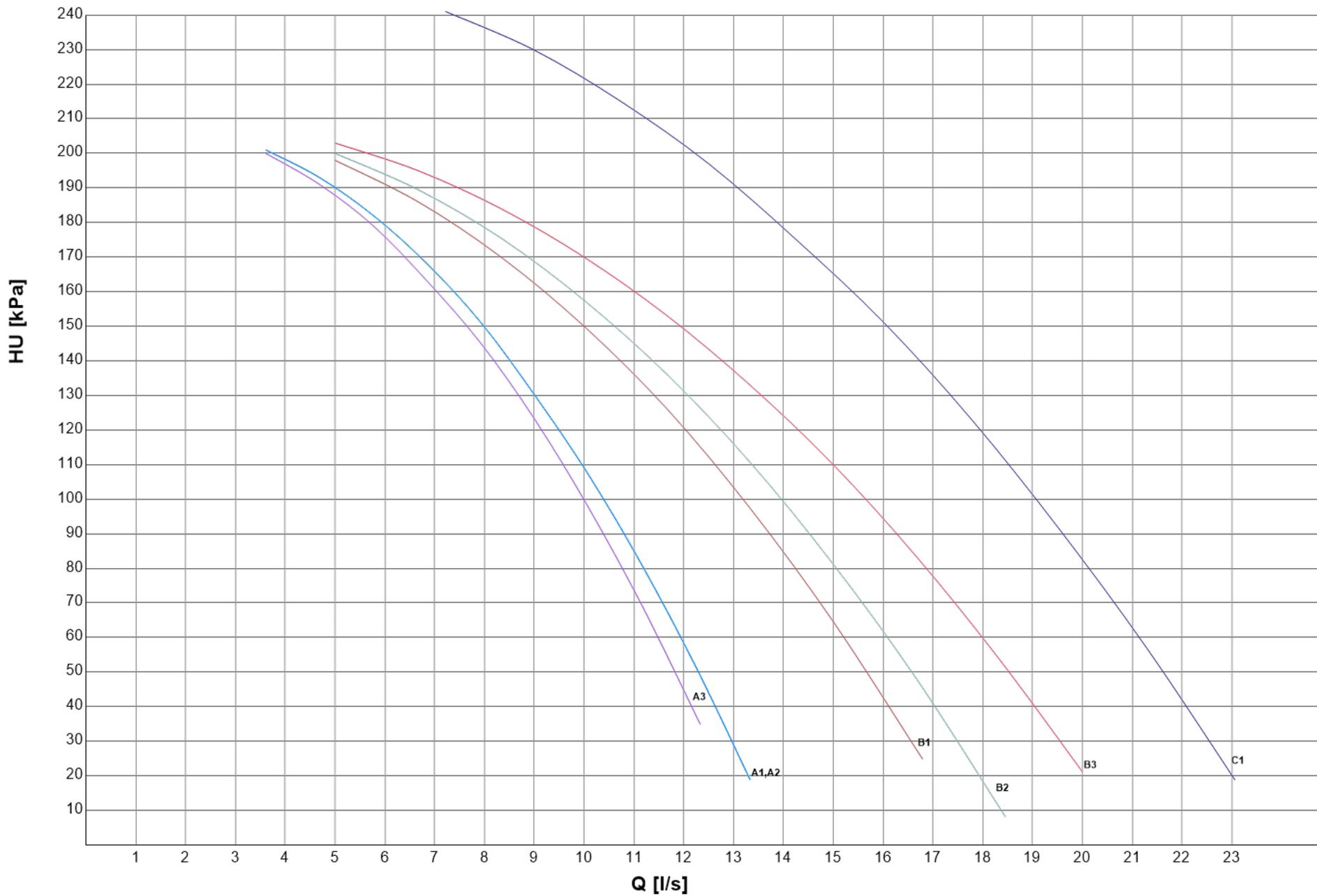
HEAT EXCHANGER USER SIDE - U - 2 PUMPS 2P LH (VAR SPEED)

| SIZE | | CH | | HP | | PUMP | | | | CH | HP | | | | | | | | | |
|-------|-------|----------|-----------|----------|-----------|------|------------------|------|--------|--------|------------------|-------|---|-------|------------------|------|---|-------|------|------|
| | | Pfgross | Qfgross | Ptgross | Qcdgross | Rif. | Model | N. | F.L.A. | F.L.I. | HU | HU | | | | | | | | |
| | | [kW] (1) | [l/s] (1) | [kW] (1) | [l/s] (1) | | | Pole | [A] | [kW] | [kPa] | [kPa] | | | | | | | | |
| 0604T | CA | 157,5 | 7,534 | 161,2 | 7,780 | A1 | LNTE 50-125/30/2 | 2 | 6 | 3,000 | 157 | 153 | | | | | | | | |
| | LN-CA | 152,3 | 7,282 | 159,8 | 7,711 | | | | | | 161 | 154 | | | | | | | | |
| | SL-CA | 151,4 | 7,239 | 159,1 | 7,680 | | | | | | 162 | 155 | | | | | | | | |
| 0704T | CA | 183,1 | 8,757 | 187,1 | 9,031 | A2 | | | | | LNTE 50-125/30/2 | 2 | 6 | 3,000 | 135 | 130 | | | | |
| | K | 178,4 | 8,529 | 189,6 | 9,154 | | | | | | | | | | 140 | 127 | | | | |
| | LN-CA | 179,9 | 8,601 | 195,0 | 9,412 | | | | | | | | | | 138 | 122 | | | | |
| | LN-K | 167,4 | 8,005 | 180,7 | 8,722 | | | | | | | | | | 149 | 136 | | | | |
| | SL-CA | 178,1 | 8,516 | 190,7 | 9,204 | | | | | | | | | | 140 | 126 | | | | |
| | SL-K | 168,5 | 8,057 | 181,4 | 8,757 | | | | | | | | | | 148 | 135 | | | | |
| 0804T | CA | 213,5 | 10,21 | 223,3 | 10,78 | A3 | | | | | | | | | LNTE 50-125/30/2 | 2 | 6 | 3,000 | 94,6 | 79,7 |
| | K | 202,5 | 9,686 | 216,6 | 10,46 | | | | | | | | | | | | | | 107 | 88,3 |
| | LN-CA | 207,4 | 9,916 | 224,3 | 10,83 | | | | | | | | | | | | | | 102 | 78,4 |
| | LN-K | 192,7 | 9,213 | 208,1 | 10,05 | | 118 | 98,6 | | | | | | | | | | | | |
| | SL-CA | 206,9 | 9,896 | 223,4 | 10,79 | | 102 | 79,6 | | | | | | | | | | | | |
| | SL-K | 193,6 | 9,259 | 209,8 | 10,13 | | 117 | 96,6 | | | | | | | | | | | | |
| 0904T | CA | 243,2 | 11,63 | 249,8 | 12,06 | B1 | LNTE 65-125/40/2 | 2 | 8 | 4,000 | 127 | 120 | | | | | | | | |
| | K | 235,4 | 11,26 | 255,0 | 12,31 | | | | | | 132 | 115 | | | | | | | | |
| | LN-CA | 237,9 | 11,38 | 258,3 | 12,47 | | | | | | 130 | 113 | | | | | | | | |
| | LN-K | 224,9 | 10,76 | 239,7 | 11,57 | | | | | | 140 | 127 | | | | | | | | |
| | SL-CA | 234,9 | 11,23 | 252,2 | 12,17 | | | | | | 133 | 118 | | | | | | | | |
| | SL-K | 222,7 | 10,65 | 241,4 | 11,65 | | | | | | 141 | 126 | | | | | | | | |
| 1004T | CA | 271,8 | 13,00 | 275,3 | 13,29 | B2 | | | | | LNTE 65-125/40/2 | 2 | 8 | 4,000 | 128 | 124 | | | | |
| | K | 263,2 | 12,58 | 281,5 | 13,59 | | | | | | | | | | 111 | 92,6 | | | | |
| | LN-CA | 265,4 | 12,69 | 285,7 | 13,79 | | | | | | | | | | 133 | 117 | | | | |
| | LN-K | 247,8 | 11,85 | 266,7 | 12,88 | | | | | | | | | | 123 | 106 | | | | |
| | SL-CA | 263,8 | 12,62 | 281,5 | 13,59 | | | | | | | | | | 134 | 120 | | | | |
| | SL-K | 245,4 | 11,74 | 265,7 | 12,83 | | | | | | | | | | 125 | 106 | | | | |
| 1104T | CA | 297,7 | 14,24 | 309,3 | 14,93 | B3 | | | | | | | | | LNTE 65-125/40/2 | 2 | 8 | 4,000 | 121 | 111 |
| | K | 286,0 | 13,68 | 304,5 | 14,70 | | | | | | | | | | | | | | 129 | 114 |
| | LN-CA | 288,4 | 13,79 | 309,0 | 14,92 | | | | | | | | | | | | | | 127 | 111 |
| | LN-K | 271,4 | 12,98 | 291,5 | 14,07 | | | | | | | | | | | | | | 138 | 123 |
| | SL-CA | 286,7 | 13,71 | 305,6 | 14,75 | | | | | | | | | | | | | | 128 | 113 |
| | SL-K | 269,8 | 12,90 | 288,9 | 13,94 | | | | | | | | | | | | | | 139 | 125 |
| 1204T | CA | 321,9 | 15,39 | 328,7 | 15,87 | C1 | LNTE 65-125/55/2 | 2 | 11 | 5,500 | | | | | | | | | 160 | 153 |
| | K | 306,5 | 14,66 | 323,9 | 15,64 | | | | | | | | | | | | | | 170 | 156 |
| | LN-CA | 311,7 | 14,91 | 336,8 | 16,26 | | | | | | | | | | | | | | 167 | 147 |
| | LN-K | 291,0 | 13,91 | 309,3 | 14,93 | | | | | | | | | | | | | | 180 | 166 |
| | SL-CA | 311,2 | 14,88 | 334,6 | 16,15 | | | | | | | | | | | | | | 167 | 149 |
| | SL-K | 291,2 | 13,93 | 310,3 | 14,98 | | | | | | | | | | | | | | 180 | 166 |

(1) Values refer to nominal conditions
 CH Cooling mode
 HP HP mode
 Pf Cooling capacity unit (Cooling mode)
 Pt Heating capacity unit (Heating mode)

Q Plant (side) exchanger water flow
 F.L.I. Pump power input
 F.L.A. Pump running current
 HU Pump residual pressure head (Units with hydronic group without mains filter)

HEAT EXCHANGER USER SIDE - U - 2 PUMPS 2P LH (VAR SPEED)



Storage tank combinations

| | Version | TANK |
|-------|---------|----------|
| | | Capacity |
| | | [l] |
| 0604T | K | 400 |
| | LN-K | |
| | SL-K | |
| | CA | 500 |
| | LN-CA | |
| | SL-CA | |
| 0704T | K | 500 |
| | LN-K | |
| | SL-K | |
| | CA | |
| | LN-CA | |
| | SL-CA | |
| 0804T | K | 500 |
| | LN-K | |
| | SL-K | |
| | CA | 850 |
| | LN-CA | |
| | SL-CA | |
| 0904T | K | 500 |
| | LN-K | |
| | SL-K | 850 |
| | CA | |
| | LN-CA | |
| | SL-CA | |
| 1004T | K | 500 |
| | LN-K | |
| | SL-K | 850 |
| | CA | |
| | LN-CA | |
| | SL-CA | |
| 1104T | K | 850 |
| | LN-K | |
| | SL-K | |
| | CA | |
| | LN-CA | |
| | SL-CA | |
| 1204T | K | 850 |
| | LN-K | |
| | SL-K | |
| | CA | |
| | LN-CA | |
| | SL-CA | |

Seasonal efficiency of units provided with hydronic kit

The units can be provided with a hydronic kit on board. The installation of some of these kits may cause a reduction in the SCOP seasonal efficiency of the chiller. Compliance with the energy efficiency requirements of the ErP Directive must be verified by means of the unit selection using the ELCA World software. The summary tables below show compliance with the ErP Directive.

UNIT WITH AC FANS (STD)

| K | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | NO | YES | YES | YES | NO | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

| LN-K | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

| SL-K | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

| CA | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

| LN-CA | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

| SL-CA | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

UNIT WITH EC FANS (OPT)

| K | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

| LN-K | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

| SL-K | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

| CA | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

| LN-CA | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |

| SL-CA | | | | | | | | |
|-------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| | EV-2 PUMPS 2P AP (VAR SPEED) | EV-2 PUMPS 2P BP (VAR SPEED) | EV-1 PUMP 2P AP (VAR SPEED) | EV-1 PUMP 2P BP (VAR SPEED) | EV-2 PUMPS 2P AP (FIX SPEED) | EV-2 PUMPS 2P BP (FIX SPEED) | EV-1 PUMP 2P AP (FIX SPEED) | EV-1 PUMP 2P BP (FIX SPEED) |
| 0604T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0704T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0804T | YES | YES | YES | YES | YES | YES | YES | YES |
| 0904T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1004T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1104T | YES | YES | YES | YES | YES | YES | YES | YES |
| 1204T | YES | YES | YES | YES | YES | YES | YES | YES |



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



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