

**Data Book**

**NX-G06 0202P - 0812P\_201904\_EN R454B**  
ELCA\_Engine ver.4.2.2.0

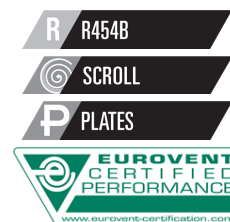


# NX-G06 0202P - 0812P

**NEW!**

**49,6-218 kW**

**Chiller, air source for outdoor installation**



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

- LOW GWP REFRIGERANT
- CLASS A EFFICIENCY
- ALUMINIUM MICRO-CHANNEL HEAT EXCHANGERS
- ELECTRONIC EXPANSION VALVE
- WIDE OPERATING RANGE
- INTEGRATED HYDRONIC GROUP

## CERTIFICATIONS

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### Product certifications



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### Voluntary product certifications

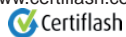


Check ongoing validity of certificate:

[www.eurovent-certification.com](http://www.eurovent-certification.com)

or

[www.certiflash.com](http://www.certiflash.com)



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### 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 [GWP<sub>100</sub> 466] fluorinated greenhouse gases.

**Functions**



Cooling

**Refrigerant**



R454B

**Compressors**



Scroll compressor

**Fan**



Axial fan

**Exchangers**



Plates heat exchanger

**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 unit for the production of chilled water with hermetic rotary Scroll compressors, low-GWP and ozone-friendly refrigerant R454B, axial-flow fans, plate heat exchanger, micro-channel full-aluminum air coils and thermostatic or electronic expansion valve, according to the model. The range is composed by units equipped with two compressors in a single-circuit configuration.

### 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 CLASS A EFFICIENCY

The full range is available with the Class A efficiency rating. Thanks to the generous sizing of the heat exchangers and an accurate control of the fan speed, the CA versions grant a premium level efficiency in every noise configuration.

### 1.5 ALUMINIUM MICRO-CHANNEL HEAT EXCHANGERS

The full aluminium micro-channel condenser coils deliver high efficiency whilst ensuring a reduced refrigerant volume and a lower unit weight. The e-coating protection (optional) grants the highest level of resistance to corrosion in any condition, even in the most aggressive environments.

### 1.6 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.

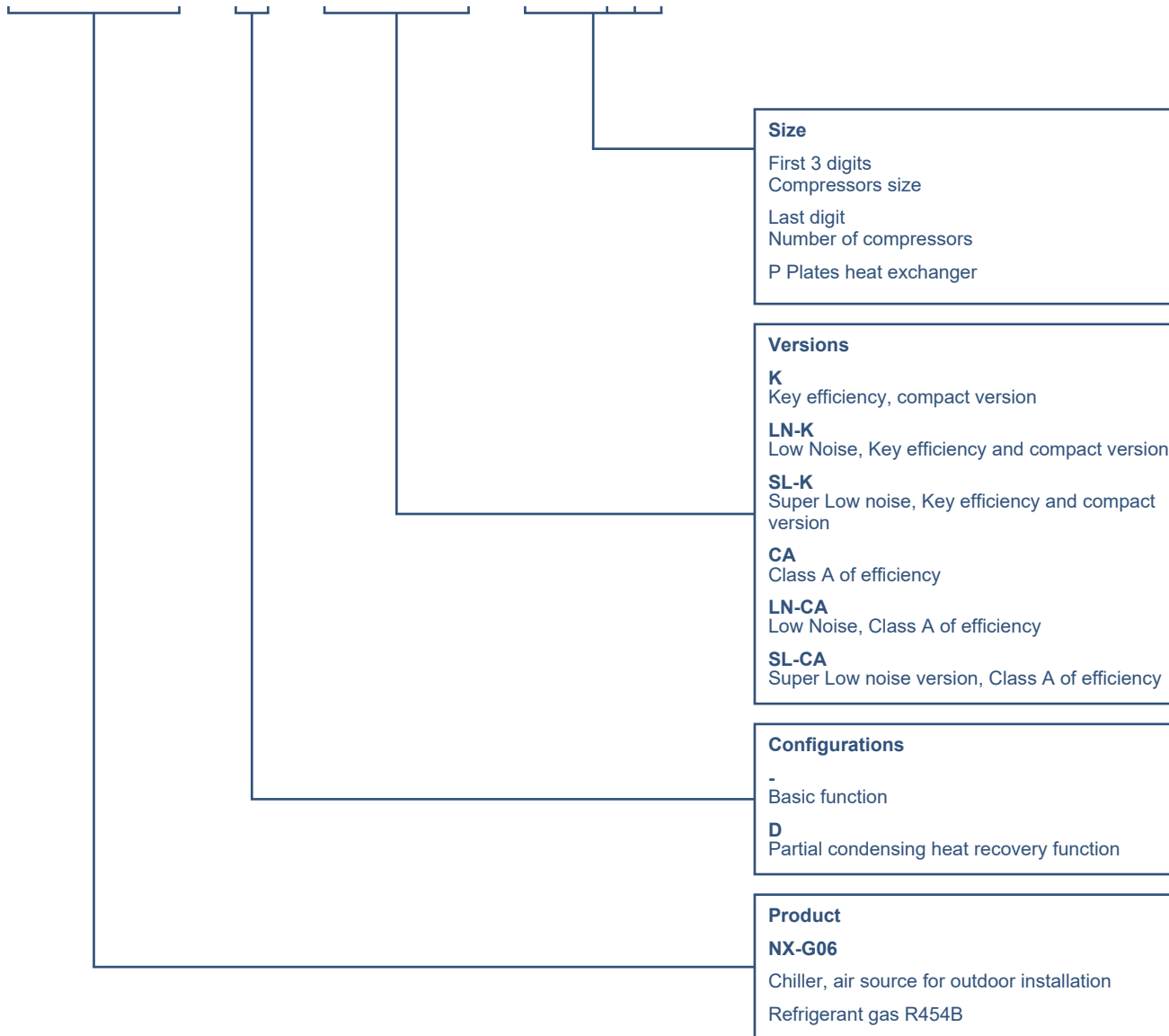
### 1.7 WIDE OPERATING RANGE

Full load operation is ensured with outdoor air temperature up to 46°C, partial load operation is possible up to or even beyond 50°C. The unit can produce chilled water at negative temperature (down to -10°C of leaving water temperature). Dedicated accessories allow the unit operation down to -20°C of outdoor air temperature.

### 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.

# NX-G06 / D / SL-CA / 0812P



## 3.1 UNIT STANDARD COMPOSITION

### 3.2 Chiller, air source for outdoor installation

Outdoor unit for the production of chilled water with hermetic rotary Scroll compressors, low-GWP and ozone-friendly refrigerant R454B, axial-flow fans, plate heat exchanger, micro-channel full-aluminum air coils and thermostatic or electronic expansion valve, according to the model. The range is composed by units equipped with two compressors in a single-circuit configuration.

### 3.3 Structure

Structure specifically designed for outdoor installation. Basement and frame in hot-galvanised shaped sheet steel with a suitable thickness. All parts polyester-powder painted to assure total weather resistance.

- Compressors fastened to unit's frame with anti-vibration mountings.
- Compressor compartment separated from ventilation section.
- Compressor compartment with soundproofing enclosure (thickness of 30 mm on sides and on top, 15 mm on bottom) (versions LN-K, SL-K, LN-CA, SL-CA).

### 3.4 Compressor

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

### 3.5 Plant side heat exchanger

Braze welded AISI 316 plate heat exchanger. The heat exchanger is lined on the outside with 9 mm thick closed-cell neoprene lagging to prevent condensation, with a thermal conductivity of 0,33 W/mK at 0°C. The heat exchanger is fitted with a differential pressure switch to monitor the correct flow of water when the unit is operating, thus preventing ice form forming inside; if no flow is detected, the frost protection function is activated using a special heater.

The heat exchanger comes standard with safety pressure release valve (water side) (10 bar).

### 3.6 Source side heat exchanger

Full-aluminum microchannel coil.

- Longitudinal V-shaped coil module: Coil structure made with an open-angle Longitudinal V-shaped layout.
- Horizontal V-shaped coil module: Coil structure made with an open-angle Horizontal V-shaped layout.

### 3.7 Fan section source side

Axial electric fans, protected to IP 54, with external rotor and plastic-coated aluminium blades. Housed in aerodynamic hoods complete with safety grille. Electric motor with built-in overload protection.

Fans diameter: 450 mm, 800 mm or 910 mm according to the unit's size and version.

Electric motor with 4 poles, 6 poles or 8 poles according to the unit's size and version.

- Continuous adjustment of the fan speed on units:
  - versions K, sizes 0152P..0352P
  - versions LN-K, sizes 0152P..0302P
  - versions SL-K e LN-CA, sizes 0152P..0202P
  - versions CA, sizes 0152P..0262P
- Pressostatic fan's control:
  - versions K sizes 0402P..0802P
- Adjustment of the fan speed with auto-transformer on units:
  - versions LN-K sizes 0352P..0802P
  - versions SL-K sizes 0252P..0802P
  - versions LN-CA sizes 0252P..0812P
  - versions SL-CA, sizes 0152P..0812P

### 3.8 Refrigerant circuit

Main components of the cooling circuit:

- single circuit in tandem compressors
- total ratio between refrigerant charge and cooling capacity\* lower than 0,12 g/W (versions K, LN-K, SL-K, CA)
- total ratio between refrigerant charge and cooling capacity\* lower than 0,15 g/W (versions LN-CA, SL-CA)
- plate heat exchanger
- drier filter with replaceable cartridge
- refrigerant line sight glass with humidity indicator
- electronic expansion valve
- high and low pressure transducers
- high and low pressure safety valves, conveyed to external discharge
- safety switching device for limiting the pressure
- crankcase heater on each compressor
- \* Cooling capacity according to Eurovent conditions: water(in/out) 12/7°C, outdoor temperature 35°C

### 3.9 Electrical and control panel

Electrical and control panel built to EN60204-1 and EC204-1 standards, complete with:

- general door lock isolator
- control circuit transformer
- IP44 protection
- power circuit with electric bus bar distribution system (sizes 702, 712, 802, 812)
- numbered cables
- electric circuit breakers for compressors and fans
- remote ON/OFF terminals
- terminals for cumulative alarm block
- relays for remote pump(s) activation for both circuits (only for units without hydronic pumps)
- antifreeze electric heater for heat exchanger
- electronic controller
- multi-language user keypad with LCD display
- Power supply 400V/3ph/50Hz+N+PE for units:
  - versions K, sizes 0152P..0352P
  - versions LN-K, sizes 0152P..0302P
  - versions SL-K e LN-CA, sizes 0152P..0202P
  - versions CA, sizes 0152P..0262P
- Power supply 400V/3ph/50Hz+PE for units:
  - versions K sizes 0402P..0812P
  - versions LN-K sizes 0352P..0812P
  - versions SL-K e LN-CA sizes 0252P..0812P
  - versions SL-CA

### 3.10 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
- ElectroMagnetic compatibility directive 89/336/EEC + 2004/108/EC
- Low Voltage directive 2006/95/EC
- PED Directive 2014/68/EC
- ISO 9001 Company's Quality Management System certification
- ISO 14001 Company's Environmental Management System certification

### 3.11 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.

### 3.12 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](http://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

## UNIT STANDARD COMPOSITION

- 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.

### 3.13 Electronic control W3000 / W3000+

The controller is available in two different versions according to the unit's model, both with Compact keyboard:

**W3000** : It features an easy-to-use interface and a complete LCD display that allows consulting and intervening on the unit by means of a multi-language menu, available in three languages: Italian, English and a further language among French, Spanish, German, Russian and Swedish. The clock card allows to consult the alarm history from the keyboard.

**W3000+** : It features an easy-to-use interface and a complete LCD display that allows consulting and intervening on the unit by means of a multi-language menu (19 languages are available). The diagnostics includes a complete alarm management, with the "black-box" and the alarm history display for enhanced analysis of the unit operation. The programmable timer manages a weekly schedule organized 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. As option, the KIPLink is available - 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.

On both versions, 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.

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 defrosting (reversible unit only) follows a proprietary self-adaptive logic, which features the monitoring of several operational parameters, therefore reducing 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**

## UNIT STANDARD COMPOSITION

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**

Standard unit for production of chilled water

### **/D, unit with partial heat recovery**

Unit for the production of chilled water, equipped with an auxiliary heat exchanger (desuperheater) on the compressor discharge for superheat recovery. The recovered heat is approximately the 20% of the total cooling capacity and can be used for domestic hot water production or other secondary uses, such as the integration of an existing boiler.

## UNIT STANDARD COMPOSITION

The NX-G06 family is developed on two different structures:



The following table shows the structure of all the available NX-G06 sizes/version:

Structure	Size											
	202	252	262	302	352	402	452	502	552	602	702	802
Longitudinal V												
Horizontal V						412	462	512	562	612	712	812

Version	Net cooling capacity (kW) - EN14511 - <sup>(1)</sup>											
	202	252	262	302	352	402	452	502	552	602	702	802
K	50	56	62	74	85	98	110	122	138	159	182	
LN-K	50	56	63	72	86	95	108	120	134	156	172	
SL-K	50	56	63	75	85	96	109	119	135	147		
CA	53	60	67	81	92	103	117	132	154	171	193	218
LN-CA	53	61	68	79	90	103	115	129	148	166	190	212
SL-CA	53	60	66	79	90	102	114	127	145	165	187	209

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

The following table shows the controller of all the available NX-G06 sizes/version:

Version	Size											
	202	252	262	302	352	402	452	502	552	602	702	802
K	W3000					W3000+						
LN-K	W3000					W3000+						
SL-K	W3000					W3000+						
CA	W3000					W3000+						
LN-CA	W3000					W3000+						
SL-CA	W3000					W3000+						

The following table shows fan diameters (mm), fan motor types and std ventilation controls of all the available NX-G06 sizes/version:

Version	Size											
	202	252	262	302	352	402	452	502	552	602	702	802
K	Ø450 4 poles	Ø450 4 poles	Ø450 4 poles	Ø450 4 poles	Ø450 4 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles
LN-K	Ø450 4 poles	Ø450 4 poles	Ø450 4 poles	Ø450 4 poles	Ø800 6 poles	Ø800 6 poles	Ø910 6 poles	Ø910 6 poles	Ø910 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles
SL-K	Ø450 4 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø910 6 poles	Ø910 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	
CA	Ø450 4 poles	Ø450 4 poles	Ø450 4 poles	Ø800 6 poles	Ø800 6 poles	Ø910 6 poles	Ø910 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles
LN-CA	Ø450 4 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø910 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 6 poles	Ø800 8 poles	Ø800 8 poles	Ø800 8 poles	Ø800 8 poles
SL-CA	Ø800 6 poles	Ø910 6 poles	Ø910 6 poles	Ø910 6 poles	Ø800 6 poles	Ø800 8 poles	Ø800 8 poles	Ø800 8 poles	Ø800 8 poles	Ø800 8 poles	Ø800 8 poles	Ø800 8 poles

<b>DVV (p.c.)</b>	Fan speed controlled by phase-cut devices
<b>DP</b>	Pressostatic fan control (DVV with autotransformers available as option)
<b>DVV (a.t.)</b>	Fan speed controlled by autotransformers

Note:

The unit's operating limit depends on its ventilation control. Optional devices are available to enlarge the operating limits. Please refer to the dedicated data book section and to ElcaWorld selection software.



#### 4.1 OPTIONS

OPTIONS	DESCRIPTIONS	BENEFITS	AVAILABLE FOR MODELS
<b>1470 MULTIFUNCTION CARD</b>			
1431 NIGHT MODE	The option includes a related controller expansion board and dedicated terminal block (it is necessary to install a 3 way valve).	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
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 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
<b>1960 PRESSURE RELIEF VALVES</b>			
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
<b>380 NUMBERED WIRING</b>			
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
<b>2410 PHASE SEQUENCE RELAY</b>			
2411 WITH EXTERNAL PHASE SEQUENCE RELAY	Relay for checking mains phase-sequence	Protects loads against faults due to incorrect connection of mains	ALL
<b>3300 COMPRESSOR REPHASING</b>			
3301 COMPR.POWER FACTOR CORR.	Capacitors on the compressors' power inlet line.	The unit's average cos(phi) increases.	ALL
<b>3410 AUTOMATIC CIRCUIT BREAKERS</b>			
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
<b>3600 ON/OFF COMPRESSOR SIGNAL</b>			
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
<b>4180 REMOTE CONNECTION ARRANGEMENT</b>			
4181 SERIAL CARD MODBUS	Interface module for ModBUS protocols.	Allows integration with BMS operating with ModBUS protocol.	ALL
4182 SERIAL CARD FOR LONWORKS	Interface module for Echelon systems.	Allows integration with BMS operating with LonWorks protocols	ALL



## OPTIONS

OPTIONS	DESCRIPTIONS	BENEFITS	AVAILABLE FOR MODELS
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
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
<b>6160 AUXILIARY INPUT</b>			
6163 AUX 4-20mA REMOTE D L.C.	4-20 mA analog input + demand limit remote input	The 4-20 mA analog input allows to change the operating set-point according to the value of current applied to the analogue input. The demand limit remote input permits to limit the unit's power absorption for safety reasons	ALL
<b>6190 TYPE OF VISUAL DISPLAY</b>			
6196 KIPlink	The unit is equipped with KIPlink, the innovative user interface based on WiFi technology		ALL
<b>1510 SOFT-STARTER</b>			
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
<b>3430 REFRIGERANT LEAK DETECTOR</b>			
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
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
<b>6310 VISUAL DISPLAY PROTECTION</b>			
6311 WITH DISPLAY PROTECTION	Display protection sealed panel	Provide complete protection against UV rays, atmospheric agents, sand storms.	ALL
<b>5940 SETP. COMPENSATION OUT. TEMP.</b>			
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

## OPTIONS

OPTIONS	DESCRIPTIONS	BENEFITS	AVAILABLE FOR MODELS
<b>5920 MANAGEMENT &amp; CONTROL SYSTEMS</b>			
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
<b>600 LIQUID LINE SOLENOID VALVE</b>			
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
<b>1400 HP AND LP GAUGES</b>			
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
<b>1900 COMPRESSOR SUCTION VALVE</b>			
1901 COMPRESSOR SUCTION VALVE	Shut-off valve on compressor's suction circuit.	Simplifies maintenance activities	ALL

## OPTIONS

OPTIONS	DESCRIPTIONS	BENEFITS	AVAILABLE FOR MODELS
<b>1910 COMPRESSOR DISCHARGE VALVE</b>			
1911 COMPR. DISCHARGE LINE VALVE	Shut-off solenoid valve on compressor discharge circuit	Simplifies maintenance activities	ALL
<b>990 CONDENSING COIL</b>			
876 E-COATING MICROCHANNEL COILS	The heat exchanger is completely treated by electrolysis so as to create a protective layer of epoxy polymer on the surface, with the following characteristics: - over 3120 hours of salt spray protection as per ASTM G85-02 A3 (SWAAT); - polyurethane surface protection against UV rays.	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 <a href="http://www.melcohit.com/EN/Download/Corporate/">www.melcohit.com/EN/Download/Corporate/</a> or contact our sales department.	ALL  GUIDELINES
879 COPPER/ALUMINIUM COILS	Finned coil heat exchanger made from suitably-spaced copper tubes and aluminum fins designed to ensure maximum heat exchange efficiency.	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 <a href="http://www.melcohit.com/EN/Download/Corporate/">www.melcohit.com/EN/Download/Corporate/</a> or contact our sales department.	ALL  GUIDELINES
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 <a href="http://www.melcohit.com/EN/Download/Corporate/">www.melcohit.com/EN/Download/Corporate/</a> 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 <a href="http://www.melcohit.com/EN/Download/Corporate/">www.melcohit.com/EN/Download/Corporate/</a> or contact our sales department.	ALL  GUIDELINES
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 <a href="http://www.melcohit.com/EN/Download/Corporate/">www.melcohit.com/EN/Download/Corporate/</a> or contact our sales department.	ALL  GUIDELINES
<b>820 FAN CONTROL</b>			
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

## OPTIONS

OPTIONS	DESCRIPTIONS	BENEFITS	AVAILABLE FOR MODELS
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
<b>3160 WITH HYDRAULIC KIT ON BOARD</b>			
3152 KIT 1 PUMP 2 POL LH+TANK	Hydronic group (see dedicated section).		ALL
3153 KIT 1 PUMP 2 POL HH+TANK	Hydronic group (see dedicated section).		ALL
3155 KIT 2 PUMPS 2 POL LH+TANK	Hydronic group (see dedicated section).		ALL
3156 KIT 2 PUMPS 2 POL HH+TANK	Hydronic group (see dedicated section).		ALL
3164 KIT 1 PUMP 2 POLES LH	Hydronic group (see dedicated section).		ALL
3165 KIT 1 PUMP 2 POLES HH	Hydronic group (see dedicated section).		ALL
3167 KIT 2 PUMPS 2 POLES LH	Hydronic group (see dedicated section).		ALL
3168 KIT 2 PUMPS 2 POLES HH	Hydronic group (see dedicated section).		ALL
<b>2430 PIPING KIT ANTIFREEZE HEATER</b>			
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
<b>2020 ANTI-INTRUSION GRILLS</b>			
2021 ANTI-INTRUSION GRILLS	Anti-intrusions grills	Avoid the intrusion of solid bodies into the unit's structure.	ALL

## OPTIONS

OPTIONS	DESCRIPTIONS	BENEFITS	AVAILABLE FOR MODELS
<b>9970 PACKING</b>			
9971 WITHOUT PACKAGING	Unit provided with plastic supports		ALL
9973 WOODEN CAGE PACKING	Unit provided with wooden cage		ALL
9979 CONTAINER PACKING	Unit provided with container slides and covered with nylon		ALL
9996 CONTAINER SLIDES	Unit provided with container slides		ALL

## OPTIONS

### **Additional information - IMPORTANT -**

#### **381 – Numbered wiring on electrical board**

Standard feature.

#### **3412 – Automatic circuit breakers**

Standard feature.

#### **3301 – Compressor power factor correction**

##### **1511 – Soft starter**

There is a mutual exclusion rule between the compressor rephrasing 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**

This option is available only for /CA, /LN-CA, /SL-CA versions. 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.

#### **1431 – Night Mode**

##### **4951 – With hydraulic decoupler probe**

##### **4961 – User limit control**

##### **1471 - 4951 + 1431**

##### **1472 - 4951 + 1431 + 4961**

##### **1473 - 4951 + 4961**

##### **1474 - 1431 + 4961**

These options are available only for /CA, /LN-CA, /SL-CA versions. On models equipped with 800mm o 910mm fans, these options entail the selection of EC fans (808).

#### **6196 – Kiplink**

##### **6198 – Kiplink + keyboard**

##### **5941 – With set point compensation**

##### **5925 – Energy meter for W3000**

##### **4185 – Serial card BACNET OVER IP**

##### **4186 – Serial card KONNEX**

##### **4187 – M-net W3000 kit**

##### **4188 – Serial card MODBUS TCP/IP**

##### **4189 – Serial card SNMP**

These options are available only for models equipped with W3000+ controller.

## 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-G06/K

[ SI System ]

NX-G06/K		0202P	0252P	0262P	0302P	0352P	0402P	0452P	0502P	0552P	0602P	
Power supply	V/ph/Hz	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	
<b>PERFORMANCE</b>												
<b>COOLING ONLY (GROSS VALUE)</b>												
Cooling capacity	(1)	kW	49,84	56,52	62,39	74,51	84,98	97,89	109,9	122,3	138,5	159,0
Total power input	(1)	kW	16,80	19,05	21,78	24,87	29,10	33,00	37,44	41,84	48,66	53,78
EER	(1)	kW/kW	2,964	2,958	2,862	2,992	2,921	2,967	2,939	2,926	2,844	2,955
ESEER	(1)	kW/kW										
<b>COOLING ONLY (EN14511 VALUE)</b>												
Cooling capacity	(1)(2)	kW	49,70	56,40	62,30	74,40	84,70	97,60	109,6	122,0	138,2	158,7
EER	(1)(2)	kW/kW	2,920	2,930	2,830	2,960	2,860	2,910	2,880	2,870	2,800	2,910
ESEER	(1)(2)	kW/kW	-	-	-	-	-	-	-	-	-	-
Cooling energy class			-	-	-	-	-	-	-	-	-	-
<b>COOLING WITH PARTIAL RECOVERY</b>												
Cooling capacity	(3)	kW	51,71	58,64	64,73	77,31	88,17	101,6	114,0	126,9	143,7	165,0
Total power input	(3)	kW	16,25	18,42	21,05	24,05	28,13	31,99	36,27	40,52	47,10	52,11
Desuperheater heating capacity	(3)	kW	14,10	16,11	18,55	20,86	24,64	25,89	29,85	33,78	39,87	42,65
<b>EXCHANGERS</b>												
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>												
Water flow	(1)	l/s	2,383	2,703	2,984	3,563	4,064	4,681	5,255	5,850	6,623	7,605
Pressure drop	(1)	kPa	33,4	30,8	30,6	31,3	49,9	46,0	47,2	45,2	48,0	45,4
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>												
Water flow	(3)	l/s	0,681	0,778	0,895	1,007	1,189	1,250	1,441	1,631	1,924	2,059
Pressure drop	(3)	kPa	10,6	13,9	18,4	11,4	16,0	17,6	16,5	21,1	19,8	22,6
<b>REFRIGERANT CIRCUIT</b>												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	2	2	2	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	50	50	50	50	50	50	50	50	50	50
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
Refrigerant charge		kg	5,60	7,20	7,30	8,60	9,20	11,0	12,2	12,4	13,9	15,9
Oil charge		kg	5,40	5,40	5,40	5,40	5,40	5,40	8,00	10,6	10,6	10,6
Rc (ASHRAE)	(4)	kg/kW	0,11	0,13	0,12	0,12	0,11	0,11	0,11	0,10	0,10	0,10
<b>FANS</b>												
Quantity		N°	4	4	4	6	6	2	2	2	2	3
Air flow		m³/s	4,92	5,32	5,32	7,41	7,41	11,34	11,34	11,34	11,74	17,04
Fans power input		kW	0,25	0,25	0,25	0,25	0,25	2,00	2,00	2,00	2,00	2,00
<b>NOISE LEVEL</b>												
Sound Pressure	(5)	dB(A)	52	52	52	53	54	56	56	56	57	58
Sound power level in cooling	(6)(7)	dB(A)	84	84	84	85	86	88	88	88	89	90
<b>SIZE AND WEIGHT</b>												
A	(8)	mm	1825	2395	2395	2395	2395	2825	2825	2825	3360	3980
B	(8)	mm	1195	1195	1195	1195	1195	1195	1195	1195	1195	1195
H	(8)	mm	1865	1865	1865	1865	1865	1980	1980	1980	1980	1980
Operating weight	(8)	kg	520	570	580	600	610	700	790	860	930	1060

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) 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.
- 4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 6 Sound power on the basis of measurements made in compliance with ISO 9614.
- 7 Sound power level in cooling, outdoors.
- 8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT



## GENERAL TECHNICAL DATA

NX-G06/K

[ SI System ]

<b>NX-G06/K</b>			<b>0702P</b>
Power supply		V/ph/Hz	400/3/50
<b>PERFORMANCE</b>			
<b>COOLING ONLY (GROSS VALUE)</b>			
Cooling capacity	(1)	kW	181,9
Total power input	(1)	kW	63,24
EER	(1)	kW/kW	2,878
ESEER	(1)	kW/kW	
<b>COOLING ONLY (EN14511 VALUE)</b>			
Cooling capacity	(1)(2)	kW	181,6
EER	(1)(2)	kW/kW	2,830
ESEER	(1)(2)	kW/kW	-
Cooling energy class			-
<b>COOLING WITH PARTIAL RECOVERY</b>			
Cooling capacity	(3)	kW	188,7
Total power input	(3)	kW	61,23
Desuperheater heating capacity	(3)	kW	51,09
<b>EXCHANGERS</b>			
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>			
Water flow	(1)	l/s	8,698
Pressure drop	(1)	kPa	45,9
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>			
Water flow	(3)	l/s	2,466
Pressure drop	(3)	kPa	21,8
<b>REFRIGERANT CIRCUIT</b>			
Compressors nr.		N°	2
Number of capacity steps		N°	2
No. Circuits		N°	1
Regulation		STEPS	
Min. capacity step		%	50
Refrigerant			R454B
Refrigerant charge		kg	16,0
Oil charge		kg	10,6
Rc (ASHRAE)	(4)	kg/kW	0,09
<b>FANS</b>			
Quantity		N°	3
Air flow		m <sup>3</sup> /s	17,04
Fans power input		kW	2,00
<b>NOISE LEVEL</b>			
Sound Pressure	(5)	dB(A)	58
Sound power level in cooling	(6)(7)	dB(A)	90
<b>SIZE AND WEIGHT</b>			
A	(8)	mm	3980
B	(8)	mm	1195
H	(8)	mm	1980
Operating weight	(8)	kg	1080

**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) 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.
- 4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 6 Sound power on the basis of measurements made in compliance with ISO 9614.
- 7 Sound power level in cooling, outdoors.
- 8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

**GENERAL TECHNICAL DATA**

**NX-G06/LN-K**

[ SI System ]

<b>NX-G06/LN-K</b>		<b>0202P</b>	<b>0252P</b>	<b>0262P</b>	<b>0302P</b>	<b>0352P</b>	<b>0402P</b>	<b>0452P</b>	<b>0502P</b>	<b>0552P</b>	<b>0602P</b>	
Power supply		V/ph/Hz 400/3+N/50 400/3+N/50 400/3+N/50 400/3+N/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50										
<b>PERFORMANCE</b>												
<b>COOLING ONLY (GROSS VALUE)</b>												
Cooling capacity	(1)	kW	49,63	56,41	62,90	71,67	86,34	95,43	108,3	120,2	134,3	156,3
Total power input	(1)	kW	17,20	18,90	21,49	26,26	28,90	33,42	36,49	41,05	49,15	53,99
EER	(1)	kW/kW	2,884	2,984	2,926	2,726	2,986	2,856	2,967	2,925	2,735	2,894
ESEER	(1)	kW/kW										
<b>COOLING ONLY (EN14511 VALUE)</b>												
Cooling capacity	(1)(2)	kW	49,50	56,30	62,80	71,50	86,10	95,20	108,0	119,9	133,9	156,0
EER	(1)(2)	kW/kW	2,850	2,950	2,890	2,700	2,930	2,810	2,920	2,880	2,690	2,850
ESEER	(1)(2)	kW/kW	-	-	-	-	-	-	-	-	-	-
Cooling energy class			-	-	-	-	-	-	-	-	-	-
<b>COOLING WITH PARTIAL RECOVERY</b>												
Cooling capacity	(3)	kW	51,49	58,52	65,26	74,36	89,58	99,01	112,4	124,7	139,3	162,1
Total power input	(3)	kW	16,63	18,27	20,77	25,37	27,96	32,32	35,29	39,70	47,51	52,22
Desuperheater heating capacity	(3)	kW	14,46	16,02	18,33	22,58	23,83	27,86	30,52	34,59	41,82	44,98
<b>EXCHANGERS</b>												
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>												
Water flow	(1)	l/s	2,373	2,697	3,008	3,427	4,129	4,564	5,181	5,749	6,422	7,473
Pressure drop	(1)	kPa	33,1	30,6	31,1	28,9	51,5	43,7	45,9	43,7	45,2	43,9
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>												
Water flow	(3)	l/s	0,698	0,773	0,885	1,090	1,150	1,345	1,473	1,670	2,019	2,171
Pressure drop	(3)	kPa	11,2	13,7	17,9	13,4	14,9	20,4	17,2	22,2	21,8	25,2
<b>REFRIGERANT CIRCUIT</b>												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	2	2	2	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS									
Min. capacity step		%	50	50	50	50	50	50	50	50	50	50
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
Refrigerant charge		kg	6,10	7,50	7,60	8,30	9,80	10,9	12,6	13,6	13,8	15,0
Oil charge		kg	5,40	5,40	5,40	5,40	5,40	5,40	8,00	10,6	10,6	10,6
Rc (ASHRAE)	(4)	kg/kW	0,12	0,13	0,12	0,12	0,11	0,12	0,12	0,11	0,10	0,10
<b>FANS</b>												
Quantity		N°	4	6	6	6	2	2	2	2	2	3
Air flow		m³/s	4,47	5,49	5,49	5,49	8,24	8,24	10,21	10,21	10,21	13,35
Fans power input		kW	0,25	0,16	0,16	0,16	1,10	1,10	1,15	1,15	1,15	1,20
<b>NOISE LEVEL</b>												
Sound Pressure	(5)	dB(A)	47	48	48	48	51	51	52	52	52	53
Sound power level in cooling	(6)(7)	dB(A)	79	80	80	80	83	83	84	84	84	85
<b>SIZE AND WEIGHT</b>												
A	(8)	mm	2395	2395	2395	2395	2825	2825	3360	3360	3360	3980
B	(8)	mm	1195	1195	1195	1195	1195	1195	1195	1195	1195	1195
H	(8)	mm	1865	1865	1865	1865	1980	1980	1980	1980	1980	1980
Operating weight	(8)	kg	570	600	600	610	730	750	920	990	1010	1110

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) 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.
- 4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 6 Sound power on the basis of measurements made in compliance with ISO 9614.
- 7 Sound power level in cooling, outdoors.
- 8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

## GENERAL TECHNICAL DATA

## NX-G06/LN-K

[ SI System ]

<b>NX-G06/LN-K</b>			<b>0702P</b>
Power supply		V/ph/Hz	400/3/50
<b>PERFORMANCE</b>			
<b>COOLING ONLY (GROSS VALUE)</b>			
Cooling capacity	(1)	kW	172,2
Total power input	(1)	kW	65,29
EER	(1)	kW/kW	2,637
ESEER	(1)	kW/kW	
<b>COOLING ONLY (EN14511 VALUE)</b>			
Cooling capacity	(1)(2)	kW	171,9
EER	(1)(2)	kW/kW	2,600
ESEER	(1)(2)	kW/kW	-
Cooling energy class			-
<b>COOLING WITH PARTIAL RECOVERY</b>			
Cooling capacity	(3)	kW	178,7
Total power input	(3)	kW	63,13
Desuperheater heating capacity	(3)	kW	55,06
<b>EXCHANGERS</b>			
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>			
Water flow	(1)	l/s	8,237
Pressure drop	(1)	kPa	41,2
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>			
Water flow	(3)	l/s	2,658
Pressure drop	(3)	kPa	25,4
<b>REFRIGERANT CIRCUIT</b>			
Compressors nr.		N°	2
Number of capacity steps		N°	2
No. Circuits		N°	1
Regulation		STEPS	
Min. capacity step		%	50
Refrigerant			R454B
Refrigerant charge		kg	15,4
Oil charge		kg	10,6
Rc (ASHRAE)	(4)	kg/kW	0,09
<b>FANS</b>			
Quantity		N°	3
Air flow		m³/s	13,35
Fans power input		kW	1,20
<b>NOISE LEVEL</b>			
Sound Pressure	(5)	dB(A)	53
Sound power level in cooling	(6)(7)	dB(A)	85
<b>SIZE AND WEIGHT</b>			
A	(8)	mm	3980
B	(8)	mm	1195
H	(8)	mm	1980
Operating weight	(8)	kg	1120

### 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) 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.

4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).

5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

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

7 Sound power level in cooling, outdoors.

8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

**GENERAL TECHNICAL DATA**

**NX-G06/SL-K**

[ SI System ]

<b>NX-G06/SL-K</b>		<b>0202P</b>	<b>0252P</b>	<b>0262P</b>	<b>0302P</b>	<b>0352P</b>	<b>0402P</b>	<b>0452P</b>	<b>0502P</b>	<b>0552P</b>	<b>0602P</b>	
Power supply		V/ph/Hz 400/3+N/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50										
<b>PERFORMANCE</b>												
<b>COOLING ONLY (GROSS VALUE)</b>												
Cooling capacity	(1)	kW	50,18	56,53	63,24	74,64	84,96	96,00	108,9	119,4	134,9	146,9
Total power input	(1)	kW	16,89	18,86	21,28	25,45	28,35	32,57	36,52	41,57	48,74	57,31
EER	(1)	kW/kW	2,970	2,989	2,967	2,925	3,004	2,945	2,984	2,870	2,770	2,564
ESEER	(1)	kW/kW										
<b>COOLING ONLY (EN14511 VALUE)</b>												
Cooling capacity	(1)(2)	kW	50,10	56,40	63,10	74,50	84,70	95,70	108,6	119,0	134,5	146,5
EER	(1)(2)	kW/kW	2,930	2,960	2,930	2,900	2,940	2,900	2,930	2,830	2,720	2,530
ESEER	(1)(2)	kW/kW	-	-	-	-	-	-	-	-	-	-
Cooling energy class			-	-	-	-	-	-	-	-	-	-
<b>COOLING WITH PARTIAL RECOVERY</b>												
Cooling capacity	(3)	kW	52,07	58,65	65,61	77,44	88,14	99,60	113,0	123,8	139,9	152,4
Total power input	(3)	kW	16,33	18,25	20,59	24,61	27,41	31,49	35,32	40,19	47,12	55,39
Desuperheater heating capacity	(3)	kW	14,22	15,50	17,66	21,38	23,89	27,67	30,59	35,10	41,09	48,74
<b>EXCHANGERS</b>												
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>												
Water flow	(1)	l/s	2,400	2,703	3,024	3,569	4,063	4,591	5,207	5,708	6,449	7,023
Pressure drop	(1)	kPa	33,9	30,8	31,4	31,4	49,8	44,3	46,4	43,1	45,5	38,7
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>												
Water flow	(3)	l/s	0,686	0,748	0,852	1,032	1,153	1,335	1,477	1,694	1,984	2,353
Pressure drop	(3)	kPa	10,8	12,8	16,6	12,0	15,0	20,1	17,3	22,8	21,0	29,6
<b>REFRIGERANT CIRCUIT</b>												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	2	2	2	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS									
Min. capacity step		%	50	50	50	50	50	50	50	50	50	50
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
Refrigerant charge		kg	7,00	7,30	8,60	10,0	10,3	12,2	14,0	15,0	15,1	15,4
Oil charge		kg	5,40	5,40	5,40	5,40	5,40	5,40	8,00	10,6	10,6	10,6
Rc (ASHRAE)	(4)	kg/kW	0,14	0,13	0,14	0,14	0,12	0,13	0,13	0,13	0,11	0,11
<b>FANS</b>												
Quantity		N°	6	2	2	2	2	2	3	3	3	3
Air flow		m³/s	4,66	6,50	6,50	6,50	8,46	8,46	9,88	9,88	10,74	10,74
Fans power input		kW	0,16	0,75	0,75	0,75	0,79	0,79	0,75	0,75	0,90	0,90
<b>NOISE LEVEL</b>												
Sound Pressure	(5)	dB(A)	45	46	46	46	47	48	49	49	50	50
Sound power level in cooling	(6)(7)	dB(A)	77	78	78	78	79	80	81	81	82	82
<b>SIZE AND WEIGHT</b>												
A	(8)	mm	2395	2825	2825	2825	3360	3360	3980	3980	3980	3980
B	(8)	mm	1195	1195	1195	1195	1195	1195	1195	1195	1195	1195
H	(8)	mm	1865	1980	1980	1980	1980	1980	1980	1980	1980	1980
Operating weight	(8)	kg	590	700	710	710	810	830	990	1060	1070	1110

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) 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.
- 4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 6 Sound power on the basis of measurements made in compliance with ISO 9614.
- 7 Sound power level in cooling, outdoors.
- 8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

**GENERAL TECHNICAL DATA**

**NX-G06/CA**

[ SI System ]

NX-G06/CA		0202P	0252P	0262P	0302P	0352P	0402P	0452P	0502P	0562P	0612P	
Power supply		V/ph/Hz 400/3+N/50 400/3+N/50 400/3+N/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50										
<b>PERFORMANCE</b>												
<b>COOLING ONLY (GROSS VALUE)</b>												
Cooling capacity	(1)	kW	52,80	59,95	66,81	81,64	92,73	103,6	117,0	132,3	153,9	171,3
Total power input	(1)	kW	15,59	17,95	20,27	24,80	28,22	31,39	35,66	39,89	45,80	51,88
EER	(1)	kW/kW	3,385	3,352	3,291	3,290	3,287	3,299	3,277	3,316	3,360	3,301
ESEER	(1)	kW/kW										
<b>COOLING ONLY (EN14511 VALUE)</b>												
Cooling capacity	(1)(2)	kW	52,70	59,80	66,70	81,40	92,40	103,3	116,8	132,0	153,6	171,0
EER	(1)(2)	kW/kW	3,330	3,290	3,240	3,240	3,200	3,230	3,210	3,250	3,290	3,240
ESEER	(1)(2)	kW/kW	-	-	-	-	-	-	-	-	-	-
Cooling energy class			-	-	-	-	-	-	-	-	-	-
<b>COOLING WITH PARTIAL RECOVERY</b>												
Cooling capacity	(3)	kW	54,78	62,20	69,32	84,71	96,21	107,5	121,4	137,2	159,7	177,7
Total power input	(3)	kW	15,10	17,37	19,62	24,07	27,37	30,42	34,54	38,70	44,48	50,34
Desuperheater heating capacity	(3)	kW	12,58	14,68	16,76	18,57	21,62	24,74	28,55	30,25	33,74	39,17
<b>EXCHANGERS</b>												
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>												
Water flow	(1)	l/s	2,525	2,867	3,195	3,904	4,435	4,956	5,597	6,326	7,361	8,191
Pressure drop	(1)	kPa	37,5	34,6	35,1	37,5	59,4	51,6	53,6	52,9	59,3	52,7
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>												
Water flow	(3)	l/s	0,607	0,709	0,809	0,896	1,044	1,194	1,378	1,460	1,629	1,891
Pressure drop	(3)	kPa	8,44	11,5	15,0	9,07	12,3	16,1	15,1	16,9	14,2	19,1
<b>REFRIGERANT CIRCUIT</b>												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	2	2	2	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	50	50	50	50	50	50	50	50	50	50
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
Refrigerant charge		kg	7,30	7,90	8,00	9,30	12,4	12,5	12,9	17,5	19,8	20,3
Oil charge		kg	5,40	5,40	5,40	5,40	5,40	5,40	8,00	10,6	10,6	10,6
Rc (ASHRAE)	(4)	kg/kW	0,14	0,13	0,12	0,12	0,14	0,12	0,11	0,13	0,13	0,12
<b>FANS</b>												
Quantity		N°	6	6	6	2	2	2	2	3	4	4
Air flow		m³/s	7,41	7,41	7,41	11,34	11,74	12,53	12,53	17,04	22,68	22,68
Fans power input		kW	0,25	0,25	0,25	2,00	2,00	1,84	1,84	2,00	2,00	2,00
<b>NOISE LEVEL</b>												
Sound Pressure	(5)	dB(A)	53	53	54	56	56	58	58	58	59	59
Sound power level in cooling	(6)(7)	dB(A)	85	85	86	88	88	90	90	90	91	91
<b>SIZE AND WEIGHT</b>												
A	(8)	mm	2395	2395	2395	2825	3360	3360	3360	3980	3160	3160
B	(8)	mm	1195	1195	1195	1195	1195	1195	1195	1195	2250	2250
H	(8)	mm	1865	1865	1865	1980	1980	1980	1980	1980	2170	2170
Operating weight	(8)	kg	580	590	600	710	780	830	920	1060	1460	1480

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) 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.
- 4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 6 Sound power on the basis of measurements made in compliance with ISO 9614.
- 7 Sound power level in cooling, outdoors.
- 8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

**GENERAL TECHNICAL DATA**
**NX-G06/CA**

[ SI System ]

<b>NX-G06/CA</b>		<b>0712P</b>		<b>0812P</b>	
Power supply		V/ph/Hz	400/3/50	400/3/50	
<b>PERFORMANCE</b>					
<b>COOLING ONLY (GROSS VALUE)</b>					
Cooling capacity	(1)	kW	193,2	218,0	
Total power input	(1)	kW	59,31	65,98	
EER	(1)	kW/kW	3,258	3,303	
ESEER	(1)	kW/kW			
<b>COOLING ONLY (EN14511 VALUE)</b>					
Cooling capacity	(1)(2)	kW	192,8	217,6	
EER	(1)(2)	kW/kW	3,200	3,240	
ESEER	(1)(2)	kW/kW	-	-	
Cooling energy class			-	-	
<b>COOLING WITH PARTIAL RECOVERY</b>					
Cooling capacity	(3)	kW	200,4	226,2	
Total power input	(3)	kW	57,51	64,02	
Desuperheater heating capacity	(3)	kW	45,80	49,97	
<b>EXCHANGERS</b>					
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>					
Water flow	(1)	l/s	9,237	10,43	
Pressure drop	(1)	kPa	51,8	65,9	
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>					
Water flow	(3)	l/s	2,211	2,412	
Pressure drop	(3)	kPa	17,5	20,9	
<b>REFRIGERANT CIRCUIT</b>					
Compressors nr.		N°	2	2	
Number of capacity steps		N°	2	2	
No. Circuits		N°	1	1	
Regulation			STEPS	STEPS	
Min. capacity step		%	50	50	
Refrigerant			R454B	R454B	
Refrigerant charge		kg	20,8	23,0	
Oil charge		kg	10,6	10,6	
Rc (ASHRAE)	(4)	kg/kW	0,11	0,11	
<b>FANS</b>					
Quantity		N°	4	5	
Air flow		m³/s	22,68	28,35	
Fans power input		kW	2,00	2,00	
<b>NOISE LEVEL</b>					
Sound Pressure	(5)	dB(A)	60	61	
Sound power level in cooling	(6)(7)	dB(A)	92	93	
<b>SIZE AND WEIGHT</b>					
A	(8)	mm	3160	4335	
B	(8)	mm	2250	2250	
H	(8)	mm	2170	2170	
Operating weight	(8)	kg	1490	1750	

**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) 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.

4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).

5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

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

7 Sound power level in cooling, outdoors.

8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

**GENERAL TECHNICAL DATA**

**NX-G06/LN-CA**

[ SI System ]

<b>NX-G06/LN-CA</b>		<b>0202P</b>	<b>0252P</b>	<b>0262P</b>	<b>0302P</b>	<b>0352P</b>	<b>0402P</b>	<b>0452P</b>	<b>0502P</b>	<b>0562P</b>	<b>0612P</b>	
Power supply		V/ph/Hz 400/3+N/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50										
<b>PERFORMANCE</b>												
<b>COOLING ONLY (GROSS VALUE)</b>												
Cooling capacity	(1)	kW	52,81	60,95	67,86	79,36	90,65	103,1	115,8	128,8	147,8	165,8
Total power input	(1)	kW	15,98	18,19	20,40	24,17	27,31	31,02	35,29	39,35	43,82	50,64
EER	(1)	kW/kW	3,300	3,352	3,328	3,281	3,322	3,326	3,280	3,277	3,374	3,277
ESEER	(1)	kW/kW										
<b>COOLING ONLY (EN14511 VALUE)</b>												
Cooling capacity	(1)(2)	kW	52,70	60,80	67,70	79,20	90,30	102,8	115,4	128,5	147,5	165,5
EER	(1)(2)	kW/kW	3,250	3,300	3,270	3,230	3,240	3,250	3,210	3,210	3,300	3,220
ESEER	(1)(2)	kW/kW	-	-	-	-	-	-	-	-	-	-
Cooling energy class			-	-	-	-	-	-	-	-	-	-
<b>COOLING WITH PARTIAL RECOVERY</b>												
Cooling capacity	(3)	kW	54,79	63,24	70,40	82,33	94,05	107,0	120,2	133,7	153,3	172,1
Total power input	(3)	kW	15,46	17,63	19,76	23,41	26,44	30,05	34,17	38,10	42,42	49,00
Desuperheater heating capacity	(3)	kW	13,41	14,27	16,25	19,62	22,33	24,75	28,56	31,91	35,80	41,88
<b>EXCHANGERS</b>												
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>												
Water flow	(1)	l/s	2,525	2,915	3,245	3,795	4,335	4,932	5,538	6,160	7,067	7,931
Pressure drop	(1)	kPa	37,5	35,8	36,2	35,5	56,8	51,1	52,5	50,2	54,7	49,4
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>												
Water flow	(3)	l/s	0,647	0,689	0,784	0,947	1,078	1,194	1,379	1,540	1,728	2,022
Pressure drop	(3)	kPa	9,60	10,9	14,1	10,1	13,1	16,1	15,1	18,8	15,9	21,8
<b>REFRIGERANT CIRCUIT</b>												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	2	2	2	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS STEPS									
Min. capacity step		%	50	50	50	50	50	50	50	50	50	50
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
Refrigerant charge		kg	7,20	8,00	10,3	10,4	11,3	13,1	13,1	14,1	23,6	23,7
Oil charge		kg	5,40	5,40	5,40	5,40	5,40	5,40	8,00	10,6	10,6	10,6
Rc (ASHRAE)	(4)	kg/kW	0,14	0,13	0,15	0,13	0,13	0,13	0,11	0,11	0,16	0,14
<b>FANS</b>												
Quantity		N°	6	2	2	2	2	3	3	3	4	4
Air flow		m³/s	5,49	8,24	8,24	8,70	10,21	12,35	12,35	13,35	16,85	16,85
Fans power input		kW	0,16	1,10	1,10	1,10	1,15	1,10	1,10	1,20	0,93	0,93
<b>NOISE LEVEL</b>												
Sound Pressure	(5)	dB(A)	48	49	49	50	52	52	52	53	54	54
Sound power level in cooling	(6)(7)	dB(A)	80	81	81	82	84	84	84	85	86	86
<b>SIZE AND WEIGHT</b>												
A	(8)	mm	2395	2825	2825	3360	3360	3980	3980	3980	3160	3160
B	(8)	mm	1195	1195	1195	1195	1195	1195	1195	1195	2250	2250
H	(8)	mm	1865	1980	1980	1980	1980	1980	1980	1980	2170	2170
Operating weight	(8)	kg	590	700	710	780	820	920	990	1070	1460	1480

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) 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.
- 4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 6 Sound power on the basis of measurements made in compliance with ISO 9614.
- 7 Sound power level in cooling, outdoors.
- 8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

**GENERAL TECHNICAL DATA**

**NX-G06/LN-CA**

[ SI System ]

<b>NX-G06/LN-CA</b>		<b>0712P</b>		<b>0812P</b>	
Power supply		V/ph/Hz	400/3/50	400/3/50	
<b>PERFORMANCE</b>					
<b>COOLING ONLY (GROSS VALUE)</b>					
Cooling capacity	(1)	kW	190,4	212,4	
Total power input	(1)	kW	56,55	62,85	
EER	(1)	kW/kW	3,364	3,382	
ESEER	(1)	kW/kW			
<b>COOLING ONLY (EN14511 VALUE)</b>					
Cooling capacity	(1)(2)	kW	190,1	212,0	
EER	(1)(2)	kW/kW	3,310	3,310	
ESEER	(1)(2)	kW/kW	-	-	
Cooling energy class			-	-	
<b>COOLING WITH PARTIAL RECOVERY</b>					
Cooling capacity	(3)	kW	197,6	220,3	
Total power input	(3)	kW	54,74	60,84	
Desuperheater heating capacity	(3)	kW	46,33	51,12	
<b>EXCHANGERS</b>					
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>					
Water flow	(1)	l/s	9,106	10,16	
Pressure drop	(1)	kPa	50,3	62,6	
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>					
Water flow	(3)	l/s	2,236	2,468	
Pressure drop	(3)	kPa	18,0	21,9	
<b>REFRIGERANT CIRCUIT</b>					
Compressors nr.		N°	2	2	
Number of capacity steps		N°	2	2	
No. Circuits		N°	1	1	
Regulation			STEPS	STEPS	
Min. capacity step		%	50	50	
Refrigerant			R454B	R454B	
Refrigerant charge		kg	23,8	25,7	
Oil charge		kg	10,6	10,6	
Rc (ASHRAE)	(4)	kg/kW	0,13	0,12	
<b>FANS</b>					
Quantity		N°	5	6	
Air flow		m³/s	21,06	25,28	
Fans power input		kW	0,93	0,93	
<b>NOISE LEVEL</b>					
Sound Pressure	(5)	dB(A)	55	56	
Sound power level in cooling	(6)(7)	dB(A)	87	88	
<b>SIZE AND WEIGHT</b>					
A	(8)	mm	4335	4335	
B	(8)	mm	2250	2250	
H	(8)	mm	2170	2170	
Operating weight	(8)	kg	1730	1810	

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) 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.
- 4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 6 Sound power on the basis of measurements made in compliance with ISO 9614.
- 7 Sound power level in cooling, outdoors.
- 8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT



**GENERAL TECHNICAL DATA**

**NX-G06/SL-CA**

[ SI System ]

<b>NX-G06/SL-CA</b>		<b>0202P</b>	<b>0252P</b>	<b>0262P</b>	<b>0302P</b>	<b>0352P</b>	<b>0412P</b>	<b>0462P</b>	<b>0512P</b>	<b>0562P</b>	<b>0612P</b>	
Power supply		V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50										
<b>PERFORMANCE</b>												
<b>COOLING ONLY (GROSS VALUE)</b>												
Cooling capacity	(1)	kW	53,11	59,72	66,44	78,67	90,71	101,8	113,9	127,7	145,6	165,4
Total power input	(1)	kW	15,93	17,65	19,87	23,73	27,54	30,10	34,29	38,87	43,94	49,10
EER	(1)	kW/kW	3,340	3,373	3,337	3,321	3,298	3,382	3,321	3,283	3,317	3,369
ESEER	(1)	kW/kW										
<b>COOLING ONLY (EN14511 VALUE)</b>												
Cooling capacity	(1)(2)	kW	53,00	59,60	66,30	78,50	90,40	101,5	113,5	127,4	145,3	165,1
EER	(1)(2)	kW/kW	3,280	3,330	3,290	3,260	3,220	3,310	3,250	3,220	3,250	3,310
ESEER	(1)(2)	kW/kW	-	-	-	-	-	-	-	-	-	-
Cooling energy class			-	-	-	-	-	-	-	-	-	-
<b>COOLING WITH PARTIAL RECOVERY</b>												
Cooling capacity	(3)	kW	55,10	61,96	68,93	81,62	94,12	105,6	118,2	132,5	151,0	171,6
Total power input	(3)	kW	15,42	17,09	19,23	22,95	26,65	29,12	33,16	37,58	42,49	47,49
Desuperheater heating capacity	(3)	kW	12,88	14,35	16,32	19,77	22,57	25,05	28,79	32,87	36,94	41,10
<b>EXCHANGERS</b>												
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>												
Water flow	(1)	l/s	2,540	2,856	3,177	3,762	4,338	4,867	5,447	6,106	6,962	7,911
Pressure drop	(1)	kPa	38,0	34,4	34,7	34,9	56,8	49,7	50,8	49,3	53,1	49,1
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>												
Water flow	(3)	l/s	0,622	0,693	0,788	0,954	1,090	1,209	1,390	1,587	1,783	1,984
Pressure drop	(3)	kPa	8,85	11,0	14,2	10,3	13,4	16,5	15,3	20,0	17,0	21,0
<b>REFRIGERANT CIRCUIT</b>												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	2	2	2	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	50	50	50	50	50	50	50	50	50	50
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
Refrigerant charge		kg	7,70	9,00	9,70	9,80	11,7	14,2	14,9	17,4	21,6	23,5
Oil charge		kg	5,40	5,40	5,40	5,40	5,40	5,40	8,00	10,6	10,6	10,6
Rc (ASHRAE)	(4)	kg/kW	0,15	0,15	0,15	0,13	0,13	0,14	0,13	0,14	0,15	0,14
<b>FANS</b>												
Quantity		N°	2	2	2	2	3	4	4	4	5	6
Air flow		m³/s	6,50	8,46	8,46	8,46	9,88	12,20	12,20	12,20	15,25	18,30
Fans power input		kW	0,75	0,79	0,79	0,79	0,75	0,51	0,51	0,51	0,51	0,51
<b>NOISE LEVEL</b>												
Sound Pressure	(5)	dB(A)	46	47	47	47	48	49	50	50	51	52
Sound power level in cooling	(6)(7)	dB(A)	78	79	79	79	80	81	82	82	83	84
<b>SIZE AND WEIGHT</b>												
A	(8)	mm	2825	3360	3360	3360	3980	3160	3160	3160	4335	4335
B	(8)	mm	1195	1195	1195	1195	1195	2250	2250	2250	2250	2250
H	(8)	mm	1980	1980	1980	1980	1980	2170	2170	2170	2170	2170
Operating weight	(8)	kg	700	790	800	810	890	1280	1370	1440	1690	1750

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) 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.
- 4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 6 Sound power on the basis of measurements made in compliance with ISO 9614.
- 7 Sound power level in cooling, outdoors.
- 8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

**GENERAL TECHNICAL DATA**

**NX-G06/SL-CA**

[ SI System ]

<b>NX-G06/SL-CA</b>		<b>0712P</b>	<b>0812P</b>
Power supply		V/ph/Hz	400/3/50 400/3/50
<b>PERFORMANCE</b>			
<b>COOLING ONLY (GROSS VALUE)</b>			
Cooling capacity	(1)	kW	187,1 208,9
Total power input	(1)	kW	57,20 63,36
EER	(1)	kW/kW	3,271 3,295
ESEER	(1)	kW/kW	
<b>COOLING ONLY (EN14511 VALUE)</b>			
Cooling capacity	(1)(2)	kW	186,7 208,5
EER	(1)(2)	kW/kW	3,220 3,230
ESEER	(1)(2)	kW/kW	- -
Cooling energy class			- -
<b>COOLING WITH PARTIAL RECOVERY</b>			
Cooling capacity	(3)	kW	194,1 216,7
Total power input	(3)	kW	55,30 61,27
Desuperheater heating capacity	(3)	kW	48,32 53,37
<b>EXCHANGERS</b>			
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>			
Water flow	(1)	l/s	8,945 9,989
Pressure drop	(1)	kPa	48,5 60,5
<b>PARTIAL RECOVERY USER SIDE IN REFRIGERATION</b>			
Water flow	(3)	l/s	2,333 2,576
Pressure drop	(3)	kPa	19,5 23,8
<b>REFRIGERANT CIRCUIT</b>			
Compressors nr.		N°	2 2
Number of capacity steps		N°	2 2
No. Circuits		N°	1 1
Regulation		STEPS	STEPS
Min. capacity step		%	50 50
Refrigerant		R454B	R454B
Refrigerant charge		kg	23,6 27,0
Oil charge		kg	10,6 10,6
Rc (ASHRAE)	(4)	kg/kW	0,13 0,13
<b>FANS</b>			
Quantity		N°	6 7
Air flow		m³/s	18,30 21,35
Fans power input		kW	0,51 0,51
<b>NOISE LEVEL</b>			
Sound Pressure	(5)	dB(A)	53 54
Sound power level in cooling	(6)(7)	dB(A)	85 86
<b>SIZE AND WEIGHT</b>			
A	(8)	mm	4335 5510
B	(8)	mm	2250 2250
H	(8)	mm	2170 2170
Operating weight	(8)	kg	1770 2070

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) 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.
- 4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 6 Sound power on the basis of measurements made in compliance with ISO 9614.
- 7 Sound power level in cooling, outdoors.
- 8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

## 6.1 TECHNICAL DATA SEASONAL EFFICIENCY IN COOLING (EN14825 VALUE)

[ SI System ]

### ENERGY EFFICIENCY

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

Ambient refrigeration

<b>NX-G06/K</b>			<b>0202P</b>	<b>0252P</b>	<b>0262P</b>	<b>0302P</b>	<b>0352P</b>	<b>0402P</b>	<b>0452P</b>	<b>0502P</b>	<b>0552P</b>	<b>0602P</b>
Prated,c	(1)	kW	49,7	56,4	62,3	74,4	84,7	97,6	109,6	122,0	138,2	158,7
SEER	(1) (2)	-	4,01	4,07	4,02	4,00	4,05	3,87	3,85	3,85	3,90	3,86
Performance ηs	(1) (3)	%	157,0	160,0	158,0	157,0	159,0	152,0	151,0	151,0	153,0	151,0
<b>NX-G06/K</b>			<b>0702P</b>									
Prated,c	(1)	kW	181,6									
SEER	(1) (2)	-	3,88									
Performance ηs	(1) (3)	%	152,0									
<b>NX-G06/LN-K</b>			<b>0202P</b>	<b>0252P</b>	<b>0262P</b>	<b>0302P</b>	<b>0352P</b>	<b>0402P</b>	<b>0452P</b>	<b>0502P</b>	<b>0552P</b>	<b>0602P</b>
Prated,c	(1)	kW	49,5	56,3	62,8	71,5	86,1	95,2	108,0	119,9	133,9	156,0
SEER	(1) (2)	-	4,01	4,06	4,07	3,98	3,88	3,88	3,94	3,96	3,99	3,93
Performance ηs	(1) (3)	%	157,0	159,0	160,0	156,0	152,0	152,0	155,0	155,0	157,0	154,0
<b>NX-G06/LN-K</b>			<b>0702P</b>									
Prated,c	(1)	kW	171,9									
SEER	(1) (2)	-	3,86									
Performance ηs	(1) (3)	%	151,0									
<b>NX-G06/SL-K</b>			<b>0202P</b>	<b>0252P</b>	<b>0262P</b>	<b>0302P</b>	<b>0352P</b>	<b>0402P</b>	<b>0452P</b>	<b>0502P</b>	<b>0552P</b>	<b>0602P</b>
Prated,c	(1)	kW	50,1	56,4	63,1	74,5	84,7	95,7	108,6	119,0	134,5	146,5
SEER	(1) (2)	-	4,06	3,89	3,89	3,96	3,97	4,00	4,00	3,94	3,94	3,86
Performance ηs	(1) (3)	%	160,0	153,0	152,0	155,0	156,0	157,0	157,0	155,0	155,0	151,0
<b>NX-G06/CA</b>			<b>0202P</b>	<b>0252P</b>	<b>0262P</b>	<b>0302P</b>	<b>0352P</b>	<b>0402P</b>	<b>0452P</b>	<b>0502P</b>	<b>0562P</b>	<b>0612P</b>
Prated,c	(1)	kW	52,7	59,8	66,7	81,4	92,4	103,3	116,8	132,0	153,6	171,0
SEER	(1) (2)	-	4,05	4,12	4,16	3,97	3,95	4,02	4,12	3,99	3,99	4,03
Performance ηs	(1) (3)	%	159,0	162,0	163,0	156,0	155,0	158,0	162,0	157,0	157,0	158,0
<b>NX-G06/CA</b>			<b>0712P</b>	<b>0812P</b>								
Prated,c	(1)	kW	192,8	217,6								
SEER	(1) (2)	-	4,12	3,94								
Performance ηs	(1) (3)	%	162,0	155,0								
<b>NX-G06/LN-CA</b>			<b>0202P</b>	<b>0252P</b>	<b>0262P</b>	<b>0302P</b>	<b>0352P</b>	<b>0402P</b>	<b>0452P</b>	<b>0502P</b>	<b>0562P</b>	<b>0612P</b>
Prated,c	(1)	kW	52,7	60,8	67,7	79,2	90,3	102,8	115,4	128,5	147,5	165,5
SEER	(1) (2)	-	4,12	3,89	3,92	3,99	4,03	3,91	4,00	4,00	4,27	4,17
Performance ηs	(1) (3)	%	162,0	153,0	154,0	156,0	158,0	153,0	157,0	157,0	168,0	164,0
<b>NX-G06/LN-CA</b>			<b>0712P</b>	<b>0812P</b>								
Prated,c	(1)	kW	190,1	212,0								
SEER	(1) (2)	-	4,36	4,14								
Performance ηs	(1) (3)	%	171,0	162,0								
<b>NX-G06/SL-CA</b>			<b>0202P</b>	<b>0252P</b>	<b>0262P</b>	<b>0302P</b>	<b>0352P</b>	<b>0412P</b>	<b>0462P</b>	<b>0512P</b>	<b>0562P</b>	<b>0612P</b>
Prated,c	(1)	kW	53,0	59,6	66,3	78,5	90,4	101,5	113,5	127,4	145,3	165,1
SEER	(1) (2)	-	3,99	3,99	4,05	4,20	4,06	4,16	4,22	4,25	4,30	4,30
Performance ηs	(1) (3)	%	157,0	157,0	159,0	165,0	159,0	163,0	166,0	167,0	169,0	169,0
<b>NX-G06/SL-CA</b>			<b>0712P</b>	<b>0812P</b>								
Prated,c	(1)	kW	186,7	208,5								
SEER	(1) (2)	-	4,41	4,21								
Performance ηs	(1) (3)	%	173,0	165,0								

Notes:

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

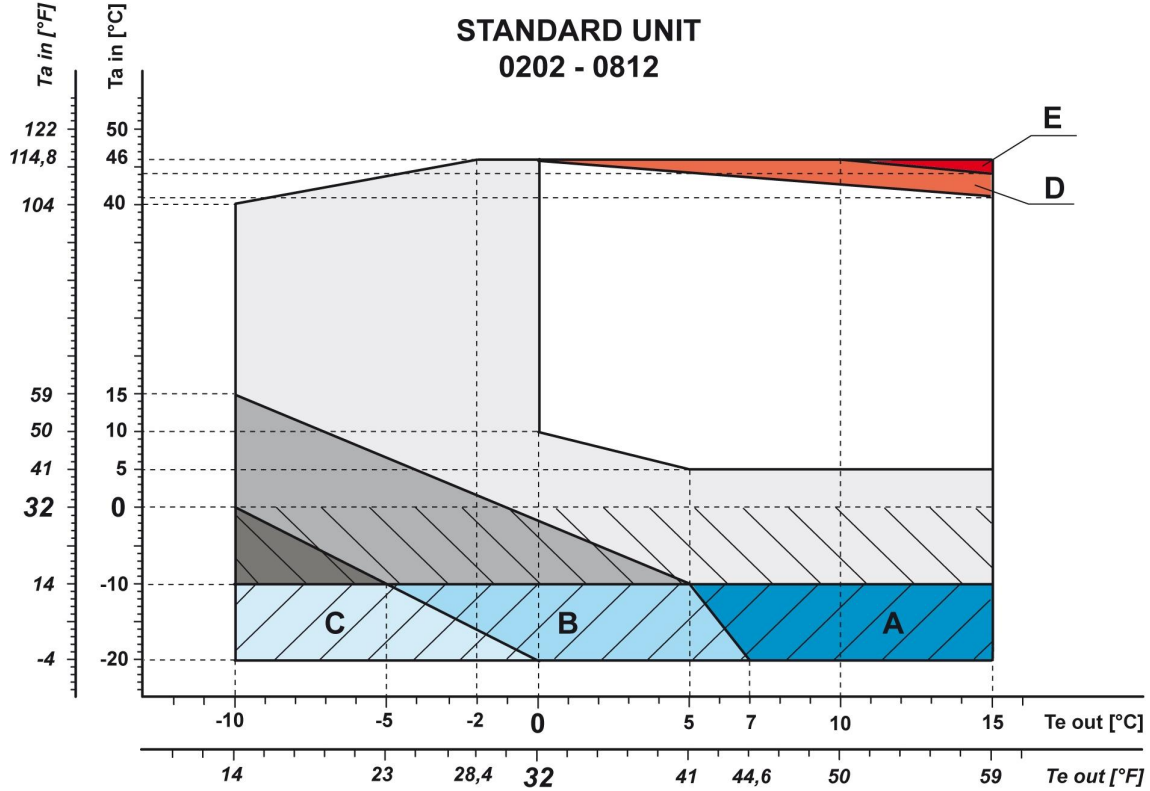
(2) Seasonal energy efficiency ratio

(3) Seasonal space cooling energy efficiency

The units highlighted in this publication contain R454B [GWP<sub>100</sub> 466] fluorinated greenhouse gases.

Certified data in EUROVENT

## 7.1 OPERATING LIMITS



**Ta in** Outdoor air temperature [°C]

**Te out** Evaporator outlet temperature [°C]



DP device (code 801)  
- STD for version K (sizes 402, 452, 502, 552, 602, 702, 802).



DVV device (code 802) STD for versions K (sizes 202, 252, 262, 302, 352), LN-K, SL-K, CA, LN-CA, SL-CA.  
Or EC fans (code 808).



DVVF device (code 819), or EC fans (code 808).



DVV2F device (code 821), or EC fans (code 808).

**For wind protected installations (wind speed lower than 0,5 m/s - 1,64 ft/s) provide:**

- DVVF device (code 819), or EC fans (code 808).
- Electronic expansion valve (code 1926), liquid line solenoid valve (code 601).



**For windy installations provide:**

- DBA device (RFQ).
- DVVF device (code 819), or EC fans (code 808).
- Electronic expansion valve (code 1926), liquid line solenoid valve (code 601).

**For wind protected installations (wind speed lower than 0,5 m/s - 1,64 ft/s) provide:**

- DVV2F device (code 821), or EC fans (code 808).
- Electronic expansion valve (code 1926), liquid line solenoid valve (code 601).



**For windy installations provide:**

- DBA device (RFQ).
- DVVF device (code 819), or EC fans (code 808).
- Electronic expansion valve (code 1926), liquid line solenoid valve (code 601).



- DBA device (RFQ).
- DVVF device (code 819), or EC fans (code 808).
- Electronic expansion valve (code 1926), liquid line solenoid valve (code 601).



**E** - Versions SL-K, SL-CA: non-silent-mode operating area



**E** - Versions LN-K, LN-CA: non-silent-mode operating area



- Antifreeze heaters on pipes, pumps\* and buffer tank\* (code 2432 o 2433).  
(\* if present)



- Extra insulation on heat exchangers, pipes, pumps\* and buffer tank\* (RFQ),  
- Extra antifreeze heaters on heat exchangers, pipes, pumps\* and buffer tank\* (RFQ),  
(\* if present)

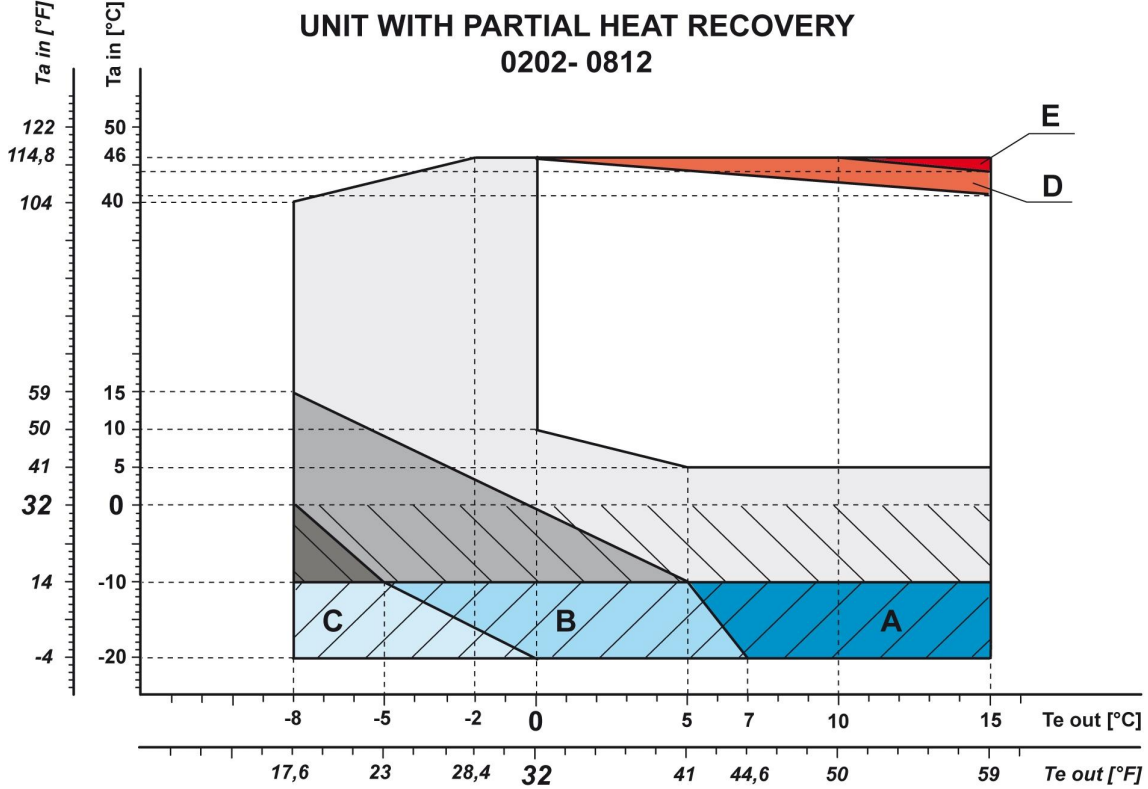
NOTES:

For the temperature limits of each size please refer to the selection software ElcaWorld  
(the diagram over 40°C could vary according to the size and the version of the selected unit).

RFQ: Request for quotation

SIZE	
NX-G06 /K /0202P	NX-G06 /LN-CA /0712P
NX-G06 /K /0252P	NX-G06 /LN-CA /0812P
NX-G06 /K /0262P	NX-G06 /SL-CA /0202P
NX-G06 /K /0302P	NX-G06 /SL-CA /0252P
NX-G06 /K /0352P	NX-G06 /SL-CA /0262P
NX-G06 /K /0402P	NX-G06 /SL-CA /0302P
NX-G06 /K /0452P	NX-G06 /SL-CA /0352P
NX-G06 /K /0502P	NX-G06 /SL-CA /0412P
NX-G06 /K /0552P	NX-G06 /SL-CA /0462P
NX-G06 /K /0602P	NX-G06 /SL-CA /0512P
NX-G06 /K /0702P	NX-G06 /SL-CA /0562P
NX-G06 /LN-K /0202P	NX-G06 /SL-CA /0612P
NX-G06 /LN-K /0252P	NX-G06 /SL-CA /0712P
NX-G06 /LN-K /0262P	NX-G06 /SL-CA /0812P
NX-G06 /LN-K /0302P	
NX-G06 /LN-K /0352P	
NX-G06 /LN-K /0402P	
NX-G06 /LN-K /0452P	
NX-G06 /LN-K /0502P	
NX-G06 /LN-K /0552P	
NX-G06 /LN-K /0602P	
NX-G06 /LN-K /0702P	
NX-G06 /SL-K /0202P	
NX-G06 /SL-K /0252P	
NX-G06 /SL-K /0262P	
NX-G06 /SL-K /0302P	
NX-G06 /SL-K /0352P	
NX-G06 /SL-K /0402P	
NX-G06 /SL-K /0452P	
NX-G06 /SL-K /0502P	
NX-G06 /SL-K /0552P	
NX-G06 /SL-K /0602P	
NX-G06 /CA /0202P	
NX-G06 /CA /0252P	
NX-G06 /CA /0262P	
NX-G06 /CA /0302P	
NX-G06 /CA /0352P	
NX-G06 /CA /0402P	
NX-G06 /CA /0452P	
NX-G06 /CA /0502P	
NX-G06 /CA /0562P	
NX-G06 /CA /0612P	
NX-G06 /CA /0712P	
NX-G06 /CA /0812P	
NX-G06 /LN-CA /0202P	
NX-G06 /LN-CA /0252P	
NX-G06 /LN-CA /0262P	
NX-G06 /LN-CA /0302P	
NX-G06 /LN-CA /0352P	
NX-G06 /LN-CA /0402P	
NX-G06 /LN-CA /0452P	
NX-G06 /LN-CA /0502P	
NX-G06 /LN-CA /0562P	
NX-G06 /LN-CA /0612P	

**OPERATING LIMITS**



$T_{a\ in}$  Outdoor air temperature [°C]

$T_{e\ out}$  Evaporator outlet temperature [°C]



DP device (code 801).  
- STD for version K (sizes 402, 452, 502, 552, 602, 702, 802).



DVV device (code 802) STD for versions K (sizes 202, 252, 262, 302, 352), LN-K, SL-K, CA, LN-CA, SL-CA.  
Or EC fans (code 808).



DVVF device (code 819) or EC fans (code 808).



DVV2F device (code 821) or EC fans (code 808).

**For wind protected installations (wind speed lower than 0,5 m/s - 1,64 ft/s) provide:**

- DVVF device (code 819) or EC fans (code 808).
- Electronic expansion valve (code 1926), liquid line solenoid valve (code 601).



**For windy installations provide:**

- DBA device (RFQ).
- DVVF device (code 819) or EC fans (code 808).
- Electronic expansion valve (code 1926), liquid line solenoid valve (code 601).

**For wind protected installations (wind speed lower than 0,5 m/s - 1,64 ft/s) provide:**

- DVV2F device (code 821) or EC fans (code 808).
- Electronic expansion valve (code 1926), liquid line solenoid valve (code 601).



**For windy installations provide:**

- DBA device (RFQ).
- DVVF device (code 819) or EC fans (code 808).
- Electronic expansion valve (code 1926), liquid line solenoid valve (code 601).



- DBA device (RFQ).
- DVVF device (code 819) or EC fans (code 808).
- Electronic expansion valve (code 1926), liquid line solenoid valve (code 601).



**D E** - Versions SL-K, SL-CA: non-silent-mode operating area.



**E** - Versions LN-K, LN-CA: non-silent-mode operating area.



- Antifreeze heaters on pipes, pumps\* and buffer tank\* (code 2432 o 2433).  
(\* if present)



- Extra insulation on heat exchangers, pipes, pumps\* and buffer tank\* (RFQ).  
- Extra antifreeze heaters on heat exchangers, pipes, pumps\* and buffer tank\* (RFQ).  
(\* if present)

**NOTES:**

For the temperature limits of each size please refer to the selection software ElcaWorld  
(the diagram over 40°C could vary according to the size and the version of the selected unit).

RFQ: Request for quotation

SIZE	
NX-G06 /D /K /0202P	NX-G06 /D /LN-CA /0712P
NX-G06 /D /K /0252P	NX-G06 /D /LN-CA /0812P
NX-G06 /D /K /0262P	NX-G06 /D /SL-CA /0202P
NX-G06 /D /K /0302P	NX-G06 /D /SL-CA /0252P
NX-G06 /D /K /0352P	NX-G06 /D /SL-CA /0262P
NX-G06 /D /K /0402P	NX-G06 /D /SL-CA /0302P
NX-G06 /D /K /0452P	NX-G06 /D /SL-CA /0352P
NX-G06 /D /K /0502P	NX-G06 /D /SL-CA /0412P
NX-G06 /D /K /0552P	NX-G06 /D /SL-CA /0462P
NX-G06 /D /K /0602P	NX-G06 /D /SL-CA /0512P
NX-G06 /D /K /0702P	NX-G06 /D /SL-CA /0562P
NX-G06 /D /LN-K /0202P	NX-G06 /D /SL-CA /0612P
NX-G06 /D /LN-K /0252P	NX-G06 /D /SL-CA /0712P
NX-G06 /D /LN-K /0262P	NX-G06 /D /SL-CA /0812P
NX-G06 /D /LN-K /0302P	
NX-G06 /D /LN-K /0352P	
NX-G06 /D /LN-K /0402P	
NX-G06 /D /LN-K /0452P	
NX-G06 /D /LN-K /0502P	
NX-G06 /D /LN-K /0552P	
NX-G06 /D /LN-K /0602P	
NX-G06 /D /LN-K /0702P	
NX-G06 /D /SL-K /0202P	
NX-G06 /D /SL-K /0252P	
NX-G06 /D /SL-K /0262P	
NX-G06 /D /SL-K /0302P	
NX-G06 /D /SL-K /0352P	
NX-G06 /D /SL-K /0402P	
NX-G06 /D /SL-K /0452P	
NX-G06 /D /SL-K /0502P	
NX-G06 /D /SL-K /0552P	
NX-G06 /D /SL-K /0602P	
NX-G06 /D /CA /0202P	
NX-G06 /D /CA /0252P	
NX-G06 /D /CA /0262P	
NX-G06 /D /CA /0302P	
NX-G06 /D /CA /0352P	
NX-G06 /D /CA /0402P	
NX-G06 /D /CA /0452P	
NX-G06 /D /CA /0502P	
NX-G06 /D /CA /0562P	
NX-G06 /D /CA /0612P	
NX-G06 /D /CA /0712P	
NX-G06 /D /CA /0812P	
NX-G06 /D /LN-CA /0202P	
NX-G06 /D /LN-CA /0252P	
NX-G06 /D /LN-CA /0262P	
NX-G06 /D /LN-CA /0302P	
NX-G06 /D /LN-CA /0352P	
NX-G06 /D /LN-CA /0402P	
NX-G06 /D /LN-CA /0452P	
NX-G06 /D /LN-CA /0502P	
NX-G06 /D /LN-CA /0562P	
NX-G06 /D /LN-CA /0612P	



**7.2 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.

**7.3 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 <sup>2</sup> °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 <sup>-5</sup>	1,000	1,000	0,0	1,000	1,000	0,0	1,000
VARIOUS	4,40 x 10 <sup>-5</sup>	1,000	1,000	0,0	0,990	1,030	1,0	0,990
VARIOUS	8,80 x 10 <sup>-5</sup>	0,960	0,990	0,7	0,980	1,040	1,5	0,980
VARIOUS	13,20 x 10 <sup>-5</sup>	0,944	0,985	1,0	0,964	1,050	2,3	0,964
VARIOUS	17,20 x 10 <sup>-5</sup>	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



## 8.1 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-G06 /K /0202P	400/3+N/50	454	1,444	4,444	3,30	138	-	-	-	-
NX-G06 /K /0252P	400/3+N/50	325	1,639	4,833	3,60	156	-	-	-	-
NX-G06 /K /0262P	400/3+N/50	265	1,806	4,833	4,05	174	-	-	-	-
NX-G06 /K /0302P	400/3+N/50	190	2,167	4,833	4,95	213	-	-	-	-
NX-G06 /K /0352P	400/3+N/50	233	2,472	6,111	5,77	242	-	-	-	-
NX-G06 /K /0402P	400/3/50	162	2,861	8,667	6,56	270	-	-	-	-
NX-G06 /K /0452P	400/3/50	132	3,222	9,750	7,36	305	-	-	-	-
NX-G06 /K /0502P	400/3/50	102	3,611	10,86	8,48	345	-	-	-	-
NX-G06 /K /0552P	400/3/50	84,5	4,083	10,86	9,44	401	-	-	-	-
NX-G06 /K /0602P	400/3/50	60,6	4,694	10,86	11,5	446	-	-	-	-
NX-G06 /K /0702P	400/3/50	46,8	5,389	11,94	13,6	503	-	-	-	-
NX-G06 /D /K /0202P	400/3+N/50	454	1,444	4,444	3,30	138	1767	-	0,972	0,43
NX-G06 /D /K /0252P	400/3+N/50	325	1,639	4,833	3,60	156	1767	-	1,056	0,43
NX-G06 /D /K /0262P	400/3+N/50	265	1,806	4,833	4,05	174	1767	-	1,194	0,43
NX-G06 /D /K /0302P	400/3+N/50	190	2,167	4,833	4,95	213	871	-	1,444	0,61
NX-G06 /D /K /0352P	400/3+N/50	233	2,472	6,111	5,77	242	871	-	1,583	0,61
NX-G06 /D /K /0402P	400/3/50	162	2,861	8,667	6,56	270	871	-	1,833	0,61
NX-G06 /D /K /0452P	400/3/50	132	3,222	9,750	7,36	305	613	-	2,028	0,73
NX-G06 /D /K /0502P	400/3/50	102	3,611	10,86	8,48	345	613	-	2,306	0,73
NX-G06 /D /K /0552P	400/3/50	84,5	4,083	10,86	9,44	401	412	-	2,694	0,92
NX-G06 /D /K /0602P	400/3/50	60,6	4,694	10,86	11,5	446	412	-	3,194	0,92
NX-G06 /D /K /0702P	400/3/50	46,8	5,389	11,94	13,6	503	277	-	3,722	1,22
NX-G06 /LN-K /0202P	400/3+N/50	454	1,444	4,444	3,30	138	-	-	-	-
NX-G06 /LN-K /0252P	400/3+N/50	325	1,639	4,833	3,60	156	-	-	-	-
NX-G06 /LN-K /0262P	400/3+N/50	265	1,806	4,833	4,10	174	-	-	-	-
NX-G06 /LN-K /0302P	400/3+N/50	190	2,167	4,833	5,00	213	-	-	-	-
NX-G06 /LN-K /0352P	400/3/50	233	2,472	6,111	5,80	242	-	-	-	-
NX-G06 /LN-K /0402P	400/3/50	162	2,861	8,667	6,60	270	-	-	-	-
NX-G06 /LN-K /0452P	400/3/50	132	3,222	9,750	7,40	305	-	-	-	-
NX-G06 /LN-K /0502P	400/3/50	102	3,611	10,86	8,50	345	-	-	-	-
NX-G06 /LN-K /0552P	400/3/50	84,5	4,083	10,86	9,40	401	-	-	-	-
NX-G06 /LN-K /0602P	400/3/50	60,6	4,694	10,86	11,5	446	-	-	-	-
NX-G06 /LN-K /0702P	400/3/50	46,8	5,389	11,94	13,6	503	-	-	-	-
NX-G06 /D /LN-K /0202P	400/3+N/50	454	1,444	4,444	3,30	138	1767	-	0,972	0,43
NX-G06 /D /LN-K /0252P	400/3+N/50	325	1,639	4,833	3,60	156	1767	-	1,056	0,43
NX-G06 /D /LN-K /0262P	400/3+N/50	265	1,806	4,833	4,10	174	1767	-	1,194	0,43
NX-G06 /D /LN-K /0302P	400/3+N/50	190	2,167	4,833	5,00	213	871	-	1,444	0,61
NX-G06 /D /LN-K /0352P	400/3/50	233	2,472	6,111	5,80	242	871	-	1,583	0,61
NX-G06 /D /LN-K /0402P	400/3/50	162	2,861	8,667	6,60	270	871	-	1,833	0,61
NX-G06 /D /LN-K /0452P	400/3/50	132	3,222	9,750	7,40	305	613	-	2,028	0,73
NX-G06 /D /LN-K /0502P	400/3/50	102	3,611	10,86	8,50	345	613	-	2,306	0,73

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-G06 /D /LN-K /0552P	400/3/50	84,5	4,083	10,86	9,40	401	412	-	2,694	0,92
NX-G06 /D /LN-K /0602P	400/3/50	60,6	4,694	10,86	11,5	446	412	-	3,194	0,92
NX-G06 /D /LN-K /0702P	400/3/50	46,8	5,389	11,94	13,6	503	277	-	3,722	1,22
NX-G06 /SL-K /0202P	400/3+N/50	454	1,444	4,444	3,30	138	-	-	-	-
NX-G06 /SL-K /0252P	400/3/50	325	1,639	4,833	3,60	156	-	-	-	-
NX-G06 /SL-K /0262P	400/3/50	265	1,806	4,833	4,10	174	-	-	-	-
NX-G06 /SL-K /0302P	400/3/50	190	2,167	4,833	5,00	213	-	-	-	-
NX-G06 /SL-K /0352P	400/3/50	233	2,472	6,111	5,80	242	-	-	-	-
NX-G06 /SL-K /0402P	400/3/50	162	2,861	8,667	6,60	270	-	-	-	-
NX-G06 /SL-K /0452P	400/3/50	132	3,222	9,750	7,40	305	-	-	-	-
NX-G06 /SL-K /0502P	400/3/50	102	3,611	10,86	8,50	345	-	-	-	-
NX-G06 /SL-K /0552P	400/3/50	84,5	4,083	10,86	9,40	401	-	-	-	-
NX-G06 /SL-K /0602P	400/3/50	60,6	4,694	10,86	11,5	446	-	-	-	-
NX-G06 /D /SL-K /0202P	400/3+N/50	454	1,444	4,444	3,30	138	1767	-	0,972	0,43
NX-G06 /D /SL-K /0252P	400/3/50	325	1,639	4,833	3,60	156	1767	-	1,056	0,43
NX-G06 /D /SL-K /0262P	400/3/50	265	1,806	4,833	4,10	174	1767	-	1,194	0,43
NX-G06 /D /SL-K /0302P	400/3/50	190	2,167	4,833	5,00	213	871	-	1,444	0,61
NX-G06 /D /SL-K /0352P	400/3/50	233	2,472	6,111	5,80	242	871	-	1,583	0,61
NX-G06 /D /SL-K /0402P	400/3/50	162	2,861	8,667	6,60	270	871	-	1,833	0,61
NX-G06 /D /SL-K /0452P	400/3/50	132	3,222	9,750	7,40	305	613	-	2,028	0,73
NX-G06 /D /SL-K /0502P	400/3/50	102	3,611	10,86	8,50	345	613	-	2,306	0,73
NX-G06 /D /SL-K /0552P	400/3/50	84,5	4,083	10,86	9,40	401	412	-	2,694	0,92
NX-G06 /D /SL-K /0602P	400/3/50	60,6	4,694	10,86	11,5	446	412	-	3,194	0,92
NX-G06 /CA /0202P	400/3+N/50	454	1,444	4,444	3,30	138	-	-	-	-
NX-G06 /CA /0252P	400/3+N/50	325	1,639	4,833	3,60	156	-	-	-	-
NX-G06 /CA /0262P	400/3+N/50	265	1,806	4,833	4,10	174	-	-	-	-
NX-G06 /CA /0302P	400/3/50	190	2,167	4,833	5,00	213	-	-	-	-
NX-G06 /CA /0352P	400/3/50	233	2,472	6,111	5,80	242	-	-	-	-
NX-G06 /CA /0402P	400/3/50	162	2,861	8,667	6,60	270	-	-	-	-
NX-G06 /CA /0452P	400/3/50	132	3,222	9,750	7,40	305	-	-	-	-
NX-G06 /CA /0502P	400/3/50	102	3,611	10,86	8,50	345	-	-	-	-
NX-G06 /CA /0562P	400/3/50	84,5	4,083	10,86	9,40	401	-	-	-	-
NX-G06 /CA /0612P	400/3/50	60,6	4,694	10,86	11,5	446	-	-	-	-
NX-G06 /CA /0712P	400/3/50	46,8	5,389	11,94	13,6	503	-	-	-	-
NX-G06 /CA /0812P	400/3/50	46,8	5,861	11,94	13,6	568	-	-	-	-
NX-G06 /D /CA /0202P	400/3+N/50	454	1,444	4,444	3,30	138	1767	-	0,972	0,43
NX-G06 /D /CA /0252P	400/3+N/50	325	1,639	4,833	3,60	156	1767	-	1,056	0,43
NX-G06 /D /CA /0262P	400/3+N/50	265	1,806	4,833	4,10	174	1767	-	1,194	0,43
NX-G06 /D /CA /0302P	400/3/50	190	2,167	4,833	5,00	213	871	-	1,444	0,61
NX-G06 /D /CA /0352P	400/3/50	233	2,472	6,111	5,80	242	871	-	1,583	0,61
NX-G06 /D /CA /0402P	400/3/50	162	2,861	8,667	6,60	270	871	-	1,833	0,61
NX-G06 /D /CA /0452P	400/3/50	132	3,222	9,750	7,40	305	613	-	2,028	0,73
NX-G06 /D /CA /0502P	400/3/50	102	3,611	10,86	8,50	345	613	-	2,306	0,73
NX-G06 /D /CA /0562P	400/3/50	84,5	4,083	10,86	9,40	401	412	-	2,694	0,92
NX-G06 /D /CA /0612P	400/3/50	60,6	4,694	10,86	11,5	446	412	-	3,194	0,92
NX-G06 /D /CA /0712P	400/3/50	46,8	5,389	11,94	13,6	503	277	-	3,722	1,22
NX-G06 /D /CA /0812P	400/3/50	46,8	5,861	11,94	13,6	568	277	-	4,361	1,22
NX-G06 /LN-CA /0202P	400/3+N/50	454	1,444	4,444	3,30	138	-	-	-	-
NX-G06 /LN-CA /0252P	400/3/50	325	1,639	4,833	3,60	156	-	-	-	-

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-G06 /LN-CA /0262P	400/3/50	265	1,806	4,833	4,10	174	-	-	-	-
NX-G06 /LN-CA /0302P	400/3/50	190	2,167	4,833	5,00	213	-	-	-	-
NX-G06 /LN-CA /0352P	400/3/50	233	2,472	6,111	5,80	242	-	-	-	-
NX-G06 /LN-CA /0402P	400/3/50	162	2,861	8,667	6,60	270	-	-	-	-
NX-G06 /LN-CA /0452P	400/3/50	132	3,222	9,750	7,40	305	-	-	-	-
NX-G06 /LN-CA /0502P	400/3/50	102	3,611	10,86	8,50	345	-	-	-	-
NX-G06 /LN-CA /0562P	400/3/50	84,5	4,083	10,86	9,40	401	-	-	-	-
NX-G06 /LN-CA /0612P	400/3/50	60,6	4,694	10,86	11,5	446	-	-	-	-
NX-G06 /LN-CA /0712P	400/3/50	46,8	5,389	11,94	13,6	503	-	-	-	-
NX-G06 /LN-CA /0812P	400/3/50	46,8	5,861	11,94	13,6	568	-	-	-	-
NX-G06 /D /LN-CA /0202P	400/3+N/50	454	1,444	4,444	3,30	138	1767	-	0,972	0,43
NX-G06 /D /LN-CA /0252P	400/3/50	325	1,639	4,833	3,60	156	1767	-	1,056	0,43
NX-G06 /D /LN-CA /0262P	400/3/50	265	1,806	4,833	4,10	174	1767	-	1,194	0,43
NX-G06 /D /LN-CA /0302P	400/3/50	190	2,167	4,833	5,00	213	871	-	1,444	0,61
NX-G06 /D /LN-CA /0352P	400/3/50	233	2,472	6,111	5,80	242	871	-	1,583	0,61
NX-G06 /D /LN-CA /0402P	400/3/50	162	2,861	8,667	6,60	270	871	-	1,833	0,61
NX-G06 /D /LN-CA /0452P	400/3/50	132	3,222	9,750	7,40	305	613	-	2,028	0,73
NX-G06 /D /LN-CA /0502P	400/3/50	102	3,611	10,86	8,50	345	613	-	2,306	0,73
NX-G06 /D /LN-CA /0562P	400/3/50	84,5	4,083	10,86	9,40	401	412	-	2,694	0,92
NX-G06 /D /LN-CA /0612P	400/3/50	60,6	4,694	10,86	11,5	446	412	-	3,194	0,92
NX-G06 /D /LN-CA /0712P	400/3/50	46,8	5,389	11,94	13,6	503	277	-	3,722	1,22
NX-G06 /D /LN-CA /0812P	400/3/50	46,8	5,861	11,94	13,6	568	277	-	4,361	1,22
NX-G06 /SL-CA /0202P	400/3/50	454	1,444	4,444	3,30	138	-	-	-	-
NX-G06 /SL-CA /0252P	400/3/50	325	1,639	4,833	3,60	156	-	-	-	-
NX-G06 /SL-CA /0262P	400/3/50	265	1,806	4,833	4,10	174	-	-	-	-
NX-G06 /SL-CA /0302P	400/3/50	190	2,167	4,833	5,00	213	-	-	-	-
NX-G06 /SL-CA /0352P	400/3/50	233	2,472	6,111	5,80	242	-	-	-	-
NX-G06 /SL-CA /0412P	400/3/50	162	2,861	8,667	6,60	270	-	-	-	-
NX-G06 /SL-CA /0462P	400/3/50	132	3,222	9,750	7,40	305	-	-	-	-
NX-G06 /SL-CA /0512P	400/3/50	102	3,611	10,86	8,50	345	-	-	-	-
NX-G06 /SL-CA /0562P	400/3/50	84,5	4,083	10,86	9,40	401	-	-	-	-
NX-G06 /SL-CA /0612P	400/3/50	60,6	4,694	10,86	11,5	446	-	-	-	-
NX-G06 /SL-CA /0712P	400/3/50	46,8	5,389	11,94	13,6	503	-	-	-	-
NX-G06 /SL-CA /0812P	400/3/50	46,8	5,861	11,94	13,6	568	-	-	-	-
NX-G06 /D /SL-CA /0202P	400/3/50	454	1,444	4,444	3,30	138	1767	-	0,972	0,43
NX-G06 /D /SL-CA /0252P	400/3/50	325	1,639	4,833	3,60	156	1767	-	1,056	0,43
NX-G06 /D /SL-CA /0262P	400/3/50	265	1,806	4,833	4,10	174	1767	-	1,194	0,43
NX-G06 /D /SL-CA /0302P	400/3/50	190	2,167	4,833	5,00	213	871	-	1,444	0,61
NX-G06 /D /SL-CA /0352P	400/3/50	233	2,472	6,111	5,80	242	871	-	1,583	0,61
NX-G06 /D /SL-CA /0412P	400/3/50	162	2,861	8,667	6,60	270	871	-	1,833	0,61
NX-G06 /D /SL-CA /0462P	400/3/50	132	3,222	9,750	7,40	305	613	-	2,028	0,73
NX-G06 /D /SL-CA /0512P	400/3/50	102	3,611	10,86	8,50	345	613	-	2,306	0,73
NX-G06 /D /SL-CA /0562P	400/3/50	84,5	4,083	10,86	9,40	401	412	-	2,694	0,92
NX-G06 /D /SL-CA /0612P	400/3/50	60,6	4,694	10,86	11,5	446	412	-	3,194	0,92
NX-G06 /D /SL-CA /0712P	400/3/50	46,8	5,389	11,94	13,6	503	277	-	3,722	1,22
NX-G06 /D /SL-CA /0812P	400/3/50	46,8	5,861	11,94	13,6	568	277	-	4,361	1,22

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

## 9.1 ELECTRICAL DATA

## NX-G06/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]
0202P	400/3+N/50	2	2 x 10.5	2 x 16.6	2 x 123	0,250	1	22,00	38	144
0252P	400/3+N/50	2	2 x 11.5	2 x 18.3	2 x 138	0,250	1	24,00	41	161
0262P	400/3+N/50	2	2 x 13.1	2 x 20.8	2 x 145	0,250	1	27,20	46	170
0302P	400/3+N/50	2	2 x 15.4	2 x 24.9	2 x 172	0,250	1	32,20	56	204
0352P	400/3+N/50	2	1x15.4 + 1x21.4	1x24.9 + 1x34.2	1x172 + 1x211	0,250	1	38,30	66	243
0402P	400/3/50	2	2 x 21.4	2 x 34.2	2 x 211	2,000	4	46,80	76	253
0452P	400/3/50	2	1x21.4 + 1x27	1x34.2 + 1x42.5	1x211 + 1x210	2,000	4	52,40	85	253
0502P	400/3/50	2	2 x 27	2 x 42.5	2 x 210	2,000	4	58,00	93	260
0552P	400/3/50	2	1x27 + 1x34.5	1x42.5 + 1x55.1	1x210 + 1x326	2,000	4	65,50	105	376
0602P	400/3/50	2	2 x 34.5	2 x 55.1	2 x 326	2,000	4	75,00	122	393
0702P	400/3/50	2	2 x 37.8	2 x 62.3	2 x 326	2,000	4	81,60	136	400

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/m<sup>2</sup>

- 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-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]
0202P	400/3+N/50	2	2 x 10.5	2 x 16.6	2 x 123	0,250	1	22,00	38	144
0252P	400/3+N/50	2	2 x 11.5	2 x 18.3	2 x 138	0,160	1	23,90	41	160
0262P	400/3+N/50	2	2 x 13.1	2 x 20.8	2 x 145	0,160	1	27,10	45	170
0302P	400/3+N/50	2	2 x 15.4	2 x 24.9	2 x 172	0,160	1	31,70	54	201
0352P	400/3/50	2	1x15.4 + 1x21.4	1x24.9 + 1x34.2	1x172 + 1x211	2,000	4	40,80	67	244
0402P	400/3/50	2	2 x 21.4	2 x 34.2	2 x 211	2,000	4	46,80	76	253
0452P	400/3/50	2	1x21.4 + 1x27	1x34.2 + 1x42.5	1x211 + 1x210	1,840	4	52,10	84	253
0502P	400/3/50	2	2 x 27	2 x 42.5	2 x 210	1,840	4	57,70	93	260
0552P	400/3/50	2	1x27 + 1x34.5	1x42.5 + 1x55.1	1x210 + 1x326	1,840	4	65,20	105	376
0602P	400/3/50	2	2 x 34.5	2 x 55.1	2 x 326	2,000	4	75,00	122	393
0702P	400/3/50	2	2 x 37.8	2 x 62.3	2 x 326	2,000	4	81,60	136	400

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/m<sup>2</sup>

- 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-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]
0202P	400/3+N/50	2	2 x 10.5	2 x 16.6	2 x 123	0,160	1	22,00	37	143
0252P	400/3/50	2	2 x 11.5	2 x 18.3	2 x 138	1,200	4	25,40	44	164
0262P	400/3/50	2	2 x 13.1	2 x 20.8	2 x 145	1,200	4	28,60	49	174
0302P	400/3/50	2	2 x 15.4	2 x 24.9	2 x 172	1,200	4	33,10	58	205
0352P	400/3/50	2	1x15.4 + 1x21.4	1x24.9 + 1x34.2	1x172 + 1x211	1,150	2	39,10	64	240
0402P	400/3/50	2	2 x 21.4	2 x 34.2	2 x 211	1,150	2	45,10	73	250
0452P	400/3/50	2	1x21.4 + 1x27	1x34.2 + 1x42.5	1x211 + 1x210	1,200	4	50,80	85	253
0502P	400/3/50	2	2 x 27	2 x 42.5	2 x 210	1,200	4	57,60	97	264
0552P	400/3/50	2	1x27 + 1x34.5	1x42.5 + 1x55.1	1x210 + 1x326	1,200	4	65,10	109	380
0602P	400/3/50	2	2 x 34.5	2 x 55.1	2 x 326	1,200	4	72,60	122	393

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/m<sup>2</sup>

- 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-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]
<b>0202P</b>	400/3+N/50	2	2 x 10.5	2 x 16.6	2 x 123	0,250	1	22,50	40	146
<b>0252P</b>	400/3+N/50	2	2 x 11.5	2 x 18.3	2 x 138	0,250	1	24,50	43	163
<b>0262P</b>	400/3+N/50	2	2 x 13.1	2 x 20.8	2 x 145	0,250	1	27,70	48	172
<b>0302P</b>	400/3/50	2	2 x 15.4	2 x 24.9	2 x 172	2,000	4	34,70	58	205
<b>0352P</b>	400/3/50	2	1x15.4 + 1x21.4	1x24.9 + 1x34.2	1x172 + 1x211	2,000	4	40,80	67	244
<b>0402P</b>	400/3/50	2	2 x 21.4	2 x 34.2	2 x 211	1,840	4	46,50	76	253
<b>0452P</b>	400/3/50	2	1x21.4 + 1x27	1x34.2 + 1x42.5	1x211 + 1x210	1,840	4	52,10	84	253
<b>0502P</b>	400/3/50	2	2 x 27	2 x 42.5	2 x 210	2,000	4	60,00	97	264
<b>0562P</b>	400/3/50	2	1x27 + 1x34.5	1x42.5 + 1x55.1	1x210 + 1x326	2,000	4	69,50	114	385
<b>0612P</b>	400/3/50	2	2 x 34.5	2 x 55.1	2 x 326	2,000	4	77,00	127	398
<b>0712P</b>	400/3/50	2	2 x 37.8	2 x 62.3	2 x 326	2,000	4	84,50	140	398
<b>0812P</b>	400/3/50	2	2 x 42	2 x 68.4	2 x 298	2,000	4	94,00	157	387

**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-G06/LN-CA**

[ SI System ]

SIZE	Power supply V/ph/Hz	Maximum values								
		Compressor			Fans (1)		Total (1)(2)			
		n	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]
<b>0202P</b>	400/3+N/50	2	2 x 10.5	2 x 16.6	2 x 123	0,160	1	22,00	37	143
<b>0252P</b>	400/3/50	2	2 x 11.5	2 x 18.3	2 x 138	2,000	4	27,00	44	164
<b>0262P</b>	400/3/50	2	2 x 13.1	2 x 20.8	2 x 145	2,000	4	30,20	49	174
<b>0302P</b>	400/3/50	2	2 x 15.4	2 x 24.9	2 x 172	2,000	4	34,70	58	205
<b>0352P</b>	400/3/50	2	1x15.4 + 1x21.4	1x24.9 + 1x34.2	1x172 + 1x211	1,840	4	40,40	67	243
<b>0402P</b>	400/3/50	2	2 x 21.4	2 x 34.2	2 x 211	2,000	4	48,80	80	257
<b>0452P</b>	400/3/50	2	1x21.4 + 1x27	1x34.2 + 1x42.5	1x211 + 1x210	2,000	4	52,40	85	253
<b>0502P</b>	400/3/50	2	2 x 27	2 x 42.5	2 x 210	2,000	4	60,00	97	264
<b>0562P</b>	400/3/50	2	1x27 + 1x34.5	1x42.5 + 1x55.1	1x210 + 1x326	0,930	2	65,20	107	378
<b>0612P</b>	400/3/50	2	2 x 34.5	2 x 55.1	2 x 326	0,930	2	72,70	119	390
<b>0712P</b>	400/3/50	2	2 x 37.8	2 x 62.3	2 x 326	0,930	2	81,20	135	393
<b>0812P</b>	400/3/50	2	2 x 42	2 x 68.4	2 x 298	0,930	2	89,60	151	380

**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-G06/SL-CA**

[ SI System ]

SIZE	Power supply V/ph/Hz	Maximum values								
		Compressor			Fans (1)		Total (1)(2)			
		n	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]
<b>0202P</b>	400/3/50	2	2 x 10.5	2 x 16.6	2 x 123	1,200	4	23,40	41	147
<b>0252P</b>	400/3/50	2	2 x 11.5	2 x 18.3	2 x 138	1,150	2	25,30	41	161
<b>0262P</b>	400/3/50	2	2 x 13.1	2 x 20.8	2 x 145	1,150	2	28,50	46	170
<b>0302P</b>	400/3/50	2	2 x 15.4	2 x 24.9	2 x 172	1,150	2	33,00	54	201
<b>0352P</b>	400/3/50	2	1x15.4 + 1x21.4	1x24.9 + 1x34.2	1x172 + 1x211	1,200	4	40,40	71	248
<b>0412P</b>	400/3/50	2	2 x 21.4	2 x 34.2	2 x 211	0,930	2	46,50	78	254
<b>0462P</b>	400/3/50	2	1x21.4 + 1x27	1x34.2 + 1x42.5	1x211 + 1x210	0,930	2	52,10	86	254
<b>0512P</b>	400/3/50	2	2 x 27	2 x 42.5	2 x 210	0,930	2	57,70	94	262
<b>0562P</b>	400/3/50	2	1x27 + 1x34.5	1x42.5 + 1x55.1	1x210 + 1x326	0,930	2	66,20	109	380
<b>0612P</b>	400/3/50	2	2 x 34.5	2 x 55.1	2 x 326	0,930	2	74,60	124	395
<b>0712P</b>	400/3/50	2	2 x 37.8	2 x 62.3	2 x 326	0,930	2	82,10	137	395
<b>0812P</b>	400/3/50	2	2 x 42	2 x 68.4	2 x 298	0,930	2	90,50	153	383

**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

10.1 FULL LOAD SOUND LEVEL

NX-G06/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								
0202P	85	85	81	80	80	77	69	57	84
0252P	85	85	81	80	80	77	69	57	84
0262P	85	85	81	80	80	77	69	57	84
0302P	86	86	82	81	81	78	70	58	85
0352P	87	87	83	82	82	79	71	59	86
0402P	89	89	85	84	84	81	73	61	88
0452P	89	89	85	84	84	81	73	61	88
0502P	89	89	85	84	84	81	73	61	88
0552P	90	90	86	85	85	82	74	62	89
0602P	91	91	87	86	86	83	75	63	90
0702P	91	91	87	86	86	83	75	63	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								
0202P	53	53	49	48	48	45	37	25	52
0252P	53	53	49	48	48	45	37	25	52
0262P	53	53	49	48	48	45	37	25	52
0302P	54	54	50	49	49	46	38	26	53
0352P	55	55	51	50	50	47	39	27	54
0402P	57	57	53	52	52	49	41	29	56
0452P	57	57	53	52	52	49	41	29	56
0502P	57	57	53	52	52	49	41	29	56
0552P	58	58	54	53	53	50	42	30	57
0602P	59	59	55	54	54	51	43	31	58
0702P	59	59	55	54	54	51	43	31	58

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 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

**FULL LOAD SOUND LEVEL**

**NX-G06/LN-K**

<b>SOUND POWER LEVEL IN COOLING</b>									
<b>SIZE</b>	Octave band [Hz]								<b>Total sound level dB(A)</b>
	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>	
	Sound power level dB								
<b>0202P</b>	80	80	77	76	75	71	65	50	<b>79</b>
<b>0252P</b>	81	81	78	77	76	72	66	51	<b>80</b>
<b>0262P</b>	81	81	78	77	76	72	66	51	<b>80</b>
<b>0302P</b>	81	81	78	77	76	72	66	51	<b>80</b>
<b>0352P</b>	85	83	84	83	77	72	66	60	<b>83</b>
<b>0402P</b>	85	83	84	83	77	72	66	60	<b>83</b>
<b>0452P</b>	86	84	85	84	78	73	67	61	<b>84</b>
<b>0502P</b>	86	84	85	84	78	73	67	61	<b>84</b>
<b>0552P</b>	86	84	85	84	78	73	67	61	<b>84</b>
<b>0602P</b>	87	85	86	85	79	74	68	62	<b>85</b>
<b>0702P</b>	87	85	86	85	79	74	68	62	<b>85</b>

**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.

<b>SOUND PRESSURE LEVEL</b>									
<b>SIZE</b>	Octave band [Hz]								<b>Total sound level dB(A)</b>
	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>	
	Sound pressure level dB								
<b>0202P</b>	48	48	45	44	43	39	33	18	<b>47</b>
<b>0252P</b>	49	49	46	45	44	40	34	19	<b>48</b>
<b>0262P</b>	49	49	46	45	44	40	34	19	<b>48</b>
<b>0302P</b>	49	49	46	45	44	40	34	19	<b>48</b>
<b>0352P</b>	53	51	52	51	45	40	34	28	<b>51</b>
<b>0402P</b>	53	51	52	51	45	40	34	28	<b>51</b>
<b>0452P</b>	54	52	53	52	46	41	35	29	<b>52</b>
<b>0502P</b>	54	52	53	52	46	41	35	29	<b>52</b>
<b>0552P</b>	54	52	53	52	46	41	35	29	<b>52</b>
<b>0602P</b>	55	53	54	53	47	42	36	30	<b>53</b>
<b>0702P</b>	55	53	54	53	47	42	36	30	<b>53</b>

**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 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

**FULL LOAD SOUND LEVEL**

**NX-G06/SL-K**

<b>SOUND POWER LEVEL IN COOLING</b>									
SIZE	Octave band [Hz]								Total sound level dB(A)
	63	125	250	500	1000	2000	4000	8000	
	Sound power level dB								
<b>0202P</b>	82	80	78	75	72	67	61	57	<b>77</b>
<b>0252P</b>	83	81	79	76	73	68	62	58	<b>78</b>
<b>0262P</b>	83	81	79	76	73	68	62	58	<b>78</b>
<b>0302P</b>	83	81	79	76	73	68	62	58	<b>78</b>
<b>0352P</b>	84	82	80	77	74	69	63	59	<b>79</b>
<b>0402P</b>	85	83	81	78	75	70	64	60	<b>80</b>
<b>0452P</b>	85	84	82	79	76	71	65	61	<b>81</b>
<b>0502P</b>	85	84	82	79	76	71	65	61	<b>81</b>
<b>0552P</b>	87	85	83	81	76	72	66	62	<b>82</b>
<b>0602P</b>	87	85	83	81	76	72	66	62	<b>82</b>

**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.

<b>SOUND PRESSURE LEVEL</b>									
SIZE	Octave band [Hz]								Total sound level dB(A)
	63	125	250	500	1000	2000	4000	8000	
	Sound pressure level dB								
<b>0202P</b>	50	48	46	43	40	35	29	25	<b>45</b>
<b>0252P</b>	51	49	47	44	41	36	30	26	<b>46</b>
<b>0262P</b>	51	49	47	44	41	36	30	26	<b>46</b>
<b>0302P</b>	51	49	47	44	41	36	30	26	<b>46</b>
<b>0352P</b>	52	50	48	45	42	37	31	27	<b>47</b>
<b>0402P</b>	53	51	49	46	43	38	32	28	<b>48</b>
<b>0452P</b>	53	52	50	47	44	39	33	29	<b>49</b>
<b>0502P</b>	53	52	50	47	44	39	33	29	<b>49</b>
<b>0552P</b>	55	53	51	49	44	40	34	30	<b>50</b>
<b>0602P</b>	55	53	51	49	44	40	34	30	<b>50</b>

**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 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

**FULL LOAD SOUND LEVEL**

**NX-G06/CA**

<b>SOUND POWER LEVEL IN COOLING</b>									
<b>SIZE</b>	Octave band [Hz]								<b>Total sound level dB(A)</b>
	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>	
	Sound power level dB								
<b>0202P</b>	86	86	82	81	81	78	70	58	<b>85</b>
<b>0252P</b>	86	86	82	81	81	78	70	58	<b>85</b>
<b>0262P</b>	87	87	83	82	82	79	71	59	<b>86</b>
<b>0302P</b>	89	89	85	84	84	81	73	61	<b>88</b>
<b>0352P</b>	89	89	85	84	84	81	73	61	<b>88</b>
<b>0402P</b>	91	91	87	86	86	83	75	63	<b>90</b>
<b>0452P</b>	91	91	87	86	86	83	75	63	<b>90</b>
<b>0502P</b>	91	91	87	86	86	83	75	63	<b>90</b>
<b>0562P</b>	92	92	88	87	87	84	76	64	<b>91</b>
<b>0612P</b>	92	92	88	87	87	84	76	64	<b>91</b>
<b>0712P</b>	93	93	89	88	88	85	77	65	<b>92</b>
<b>0812P</b>	94	94	90	89	89	86	78	66	<b>93</b>

**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.

<b>SOUND PRESSURE LEVEL</b>									
<b>SIZE</b>	Octave band [Hz]								<b>Total sound level dB(A)</b>
	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>	
	Sound pressure level dB								
<b>0202P</b>	54	54	50	49	49	46	38	26	<b>53</b>
<b>0252P</b>	54	54	50	49	49	46	38	26	<b>53</b>
<b>0262P</b>	55	55	51	50	50	47	39	27	<b>54</b>
<b>0302P</b>	57	57	53	52	52	49	41	29	<b>56</b>
<b>0352P</b>	57	57	53	52	52	49	41	29	<b>56</b>
<b>0402P</b>	59	59	55	54	54	51	43	31	<b>58</b>
<b>0452P</b>	59	59	55	54	54	51	43	31	<b>58</b>
<b>0502P</b>	59	59	55	54	54	51	43	31	<b>58</b>
<b>0562P</b>	60	60	56	55	55	52	44	32	<b>59</b>
<b>0612P</b>	60	60	56	55	55	52	44	32	<b>59</b>
<b>0712P</b>	61	61	57	56	56	53	45	33	<b>60</b>
<b>0812P</b>	62	62	58	57	57	54	46	34	<b>61</b>

**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 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

**FULL LOAD SOUND LEVEL**

**NX-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								
<b>0202P</b>	81	81	78	77	76	72	66	51	<b>80</b>
<b>0252P</b>	83	81	82	81	75	70	64	58	<b>81</b>
<b>0262P</b>	83	81	82	81	75	70	64	58	<b>81</b>
<b>0302P</b>	84	82	83	82	76	71	65	59	<b>82</b>
<b>0352P</b>	86	84	85	84	78	73	67	61	<b>84</b>
<b>0402P</b>	86	84	85	84	78	73	67	61	<b>84</b>
<b>0452P</b>	86	84	85	84	78	73	67	61	<b>84</b>
<b>0502P</b>	87	85	86	85	79	74	68	62	<b>85</b>
<b>0562P</b>	88	86	87	86	80	75	69	63	<b>86</b>
<b>0612P</b>	88	86	87	86	80	75	69	63	<b>86</b>
<b>0712P</b>	89	87	88	87	81	76	70	64	<b>87</b>
<b>0812P</b>	90	88	89	88	82	77	71	65	<b>88</b>

**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								
<b>0202P</b>	49	49	46	45	44	40	34	19	<b>48</b>
<b>0252P</b>	51	49	50	49	43	38	32	26	<b>49</b>
<b>0262P</b>	51	49	50	49	43	38	32	26	<b>49</b>
<b>0302P</b>	52	50	51	50	44	39	33	27	<b>50</b>
<b>0352P</b>	54	52	53	52	46	41	35	29	<b>52</b>
<b>0402P</b>	54	52	53	52	46	41	35	29	<b>52</b>
<b>0452P</b>	54	52	53	52	46	41	35	29	<b>52</b>
<b>0502P</b>	55	53	54	53	47	42	36	30	<b>53</b>
<b>0562P</b>	56	54	55	54	48	43	37	31	<b>54</b>
<b>0612P</b>	56	54	55	54	48	43	37	31	<b>54</b>
<b>0712P</b>	57	55	56	55	49	44	38	32	<b>55</b>
<b>0812P</b>	58	56	57	56	50	45	39	33	<b>56</b>

**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 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

**FULL LOAD SOUND LEVEL**

**NX-G06/SL-CA**

<b>SOUND POWER LEVEL IN COOLING</b>									
<b>SIZE</b>	Octave band [Hz]								<b>Total sound level dB(A)</b>
	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>	
	Sound power level dB								
<b>0202P</b>	83	81	79	76	73	68	62	58	<b>78</b>
<b>0252P</b>	84	82	80	77	74	69	63	59	<b>79</b>
<b>0262P</b>	84	82	80	77	74	69	63	59	<b>79</b>
<b>0302P</b>	84	82	80	77	74	69	63	59	<b>79</b>
<b>0352P</b>	85	83	81	78	75	70	64	60	<b>80</b>
<b>0412P</b>	85	84	82	79	76	71	65	61	<b>81</b>
<b>0462P</b>	87	85	83	81	76	72	66	62	<b>82</b>
<b>0512P</b>	87	85	83	81	76	72	66	62	<b>82</b>
<b>0562P</b>	88	86	84	82	76	73	67	63	<b>83</b>
<b>0612P</b>	89	87	85	83	77	74	68	64	<b>84</b>
<b>0712P</b>	89	88	86	84	79	74	68	64	<b>85</b>
<b>0812P</b>	89	89	87	85	80	75	69	64	<b>86</b>

**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.

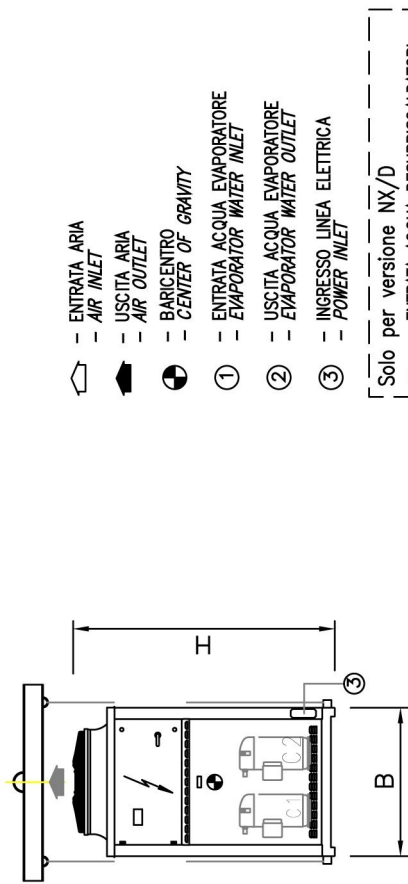
Sound power level in cooling, outdoors.

<b>SOUND PRESSURE LEVEL</b>									
<b>SIZE</b>	Octave band [Hz]								<b>Total sound level dB(A)</b>
	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>	
	Sound pressure level dB								
<b>0202P</b>	51	49	47	44	41	36	30	26	<b>46</b>
<b>0252P</b>	52	50	48	45	42	37	31	27	<b>47</b>
<b>0262P</b>	52	50	48	45	42	37	31	27	<b>47</b>
<b>0302P</b>	52	50	48	45	42	37	31	27	<b>47</b>
<b>0352P</b>	53	51	49	46	43	38	32	28	<b>48</b>
<b>0412P</b>	53	52	50	47	44	39	33	29	<b>49</b>
<b>0462P</b>	55	53	51	49	44	40	34	30	<b>50</b>
<b>0512P</b>	55	53	51	49	44	40	34	30	<b>50</b>
<b>0562P</b>	56	54	52	50	44	41	35	31	<b>51</b>
<b>0612P</b>	57	55	53	51	45	42	36	32	<b>52</b>
<b>0712P</b>	57	56	54	52	47	42	36	32	<b>53</b>
<b>0812P</b>	57	57	55	53	48	43	37	32	<b>54</b>

**Working conditions**

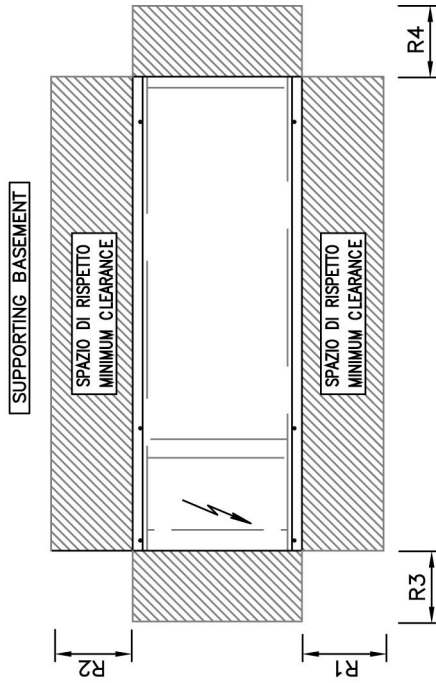
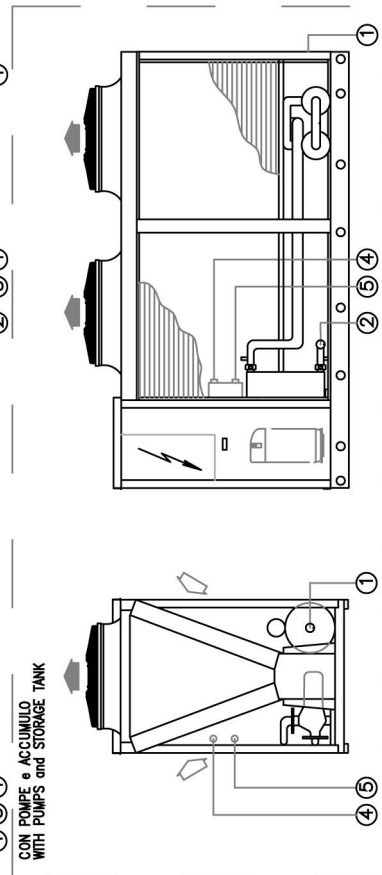
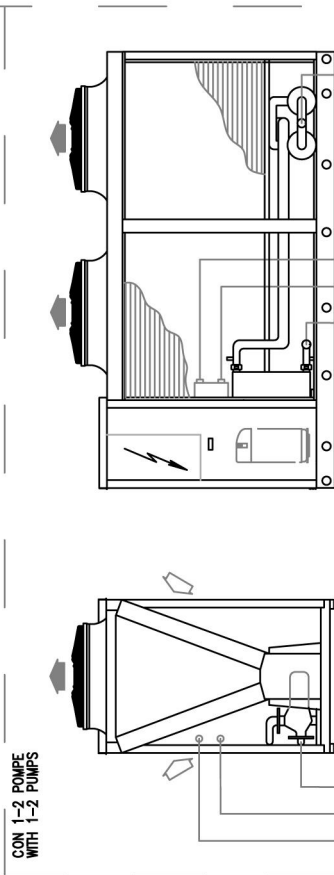
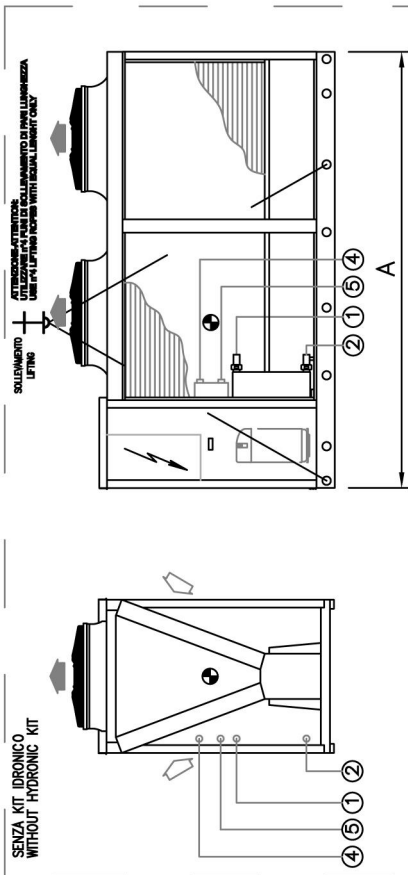
Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.

Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.



- ENTRATA ARIA  
AIR INLET
- USCITA ARIA  
AIR OUTLET
- BARICENTRO  
CENTER OF GRAVITY
- ENTRATA ACQUA EVAPORATORE  
EVAPORATOR WATER INLET
- USCITA ACQUA EVAPORATORE  
EVAPORATOR WATER OUTLET
- INGRESSO LINEA ELETTRICA  
POWER INLET

- Solo per versione NX/D
- ENTRATA ACQUA DESURRISCALDATORI  
DESUPERHEATERS WATER INLET
  - 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-G06 0202P - 0812P**

[ 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-G06 /K /0202P	1825	1195	1865	520	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /K /0252P	2395	1195	1865	570	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /K /0262P	2395	1195	1865	580	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /K /0302P	2395	1195	1865	600	1000	1000	1000	1000	F	2"	-	-
NX-G06 /K /0352P	2395	1195	1865	610	1000	1000	1000	1000	F	2"	-	-
NX-G06 /K /0402P	2825	1195	1980	700	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /K /0452P	2825	1195	1980	790	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /K /0502P	2825	1195	1980	860	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /K /0552P	3360	1195	1980	930	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /K /0602P	3980	1195	1980	1060	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /K /0702P	3980	1195	1980	1080	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /D /K /0202P	1825	1195	1865	520	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /K /0252P	2395	1195	1865	570	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /K /0262P	2395	1195	1865	580	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /K /0302P	2395	1195	1865	600	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /K /0352P	2395	1195	1865	610	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /K /0402P	2825	1195	1980	700	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /K /0452P	2825	1195	1980	790	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /K /0502P	2825	1195	1980	860	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /K /0552P	3360	1195	1980	930	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /K /0602P	3980	1195	1980	1060	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /K /0702P	3980	1195	1980	1080	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /LN-K /0202P	2395	1195	1865	570	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /LN-K /0252P	2395	1195	1865	600	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /LN-K /0262P	2395	1195	1865	600	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /LN-K /0302P	2395	1195	1865	610	1000	1000	1000	1000	F	2"	-	-
NX-G06 /LN-K /0352P	2825	1195	1980	730	1000	1000	1000	1000	F	2"	-	-
NX-G06 /LN-K /0402P	2825	1195	1980	750	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /LN-K /0452P	3360	1195	1980	920	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /LN-K /0502P	3360	1195	1980	990	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /LN-K /0552P	3360	1195	1980	1010	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /LN-K /0602P	3980	1195	1980	1110	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /LN-K /0702P	3980	1195	1980	1120	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /D /LN-K /0202P	2395	1195	1865	570	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /LN-K /0252P	2395	1195	1865	600	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /LN-K /0262P	2395	1195	1865	600	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /LN-K /0302P	2395	1195	1865	610	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /LN-K /0352P	2825	1195	1980	730	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /LN-K /0402P	2825	1195	1980	750	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /LN-K /0452P	3360	1195	1980	920	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /LN-K /0502P	3360	1195	1980	990	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /LN-K /0552P	3360	1195	1980	1010	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /LN-K /0602P	3980	1195	1980	1110	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /LN-K /0702P	3980	1195	1980	1120	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /SL-K /0202P	2395	1195	1865	590	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /SL-K /0252P	2825	1195	1980	700	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /SL-K /0262P	2825	1195	1980	710	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /SL-K /0302P	2825	1195	1980	710	1000	1000	1000	1000	F	2"	-	-
NX-G06 /SL-K /0352P	3360	1195	1980	810	1000	1000	1000	1000	F	2"	-	-
NX-G06 /SL-K /0402P	3360	1195	1980	830	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /SL-K /0452P	3980	1195	1980	990	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /SL-K /0502P	3980	1195	1980	1060	1000	1000	1000	1000	F	2"1/2	-	-



**DIMENSIONAL DRAWINGS**

**NX-G06 0202P - 0812P**

[ 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-G06 /SL-K /0552P	3980	1195	1980	1070	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /SL-K /0602P	3980	1195	1980	1110	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /D /SL-K /0202P	2395	1195	1865	590	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /SL-K /0252P	2825	1195	1980	700	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /SL-K /0262P	2825	1195	1980	710	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /SL-K /0302P	2825	1195	1980	710	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /SL-K /0352P	3360	1195	1980	810	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /SL-K /0402P	3360	1195	1980	830	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /SL-K /0452P	3980	1195	1980	990	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /SL-K /0502P	3980	1195	1980	1060	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /SL-K /0552P	3980	1195	1980	1070	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /SL-K /0602P	3980	1195	1980	1110	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /CA /0202P	2395	1195	1865	580	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /CA /0252P	2395	1195	1865	590	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /CA /0262P	2395	1195	1865	600	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /CA /0302P	2825	1195	1980	710	1000	1000	1000	1000	F	2"	-	-
NX-G06 /CA /0352P	3360	1195	1980	780	1000	1000	1000	1000	F	2"	-	-
NX-G06 /CA /0402P	3360	1195	1980	830	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /CA /0452P	3360	1195	1980	920	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /CA /0502P	3980	1195	1980	1060	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /D /CA /0202P	2395	1195	1865	580	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /CA /0252P	2395	1195	1865	590	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /CA /0262P	2395	1195	1865	600	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /CA /0302P	2825	1195	1980	710	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /CA /0352P	3360	1195	1980	780	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /CA /0402P	3360	1195	1980	830	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /CA /0452P	3360	1195	1980	920	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /CA /0502P	3980	1195	1980	1060	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /LN-CA /0202P	2395	1195	1865	590	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /LN-CA /0252P	2825	1195	1980	700	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /LN-CA /0262P	2825	1195	1980	710	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /LN-CA /0302P	3360	1195	1980	780	1000	1000	1000	1000	F	2"	-	-
NX-G06 /LN-CA /0352P	3360	1195	1980	820	1000	1000	1000	1000	F	2"	-	-
NX-G06 /LN-CA /0402P	3980	1195	1980	920	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /LN-CA /0452P	3980	1195	1980	990	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /LN-CA /0502P	3980	1195	1980	1070	1000	1000	1000	1000	F	2"1/2	-	-
NX-G06 /D /LN-CA /0202P	2395	1195	1865	590	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /LN-CA /0252P	2825	1195	1980	700	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /LN-CA /0262P	2825	1195	1980	710	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /LN-CA /0302P	3360	1195	1980	780	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /LN-CA /0352P	3360	1195	1980	820	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /LN-CA /0402P	3980	1195	1980	920	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /LN-CA /0452P	3980	1195	1980	990	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /D /LN-CA /0502P	3980	1195	1980	1070	1000	1000	1000	1000	F	2"1/2	B	1" 1/4
NX-G06 /SL-CA /0202P	2825	1195	1980	700	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /SL-CA /0252P	3360	1195	1980	790	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /SL-CA /0262P	3360	1195	1980	800	1000	1000	1000	1000	F	1"1/2	-	-
NX-G06 /SL-CA /0302P	3360	1195	1980	810	1000	1000	1000	1000	F	2"	-	-
NX-G06 /SL-CA /0352P	3980	1195	1980	890	1000	1000	1000	1000	F	2"	-	-
NX-G06 /D /SL-CA /0202P	2825	1195	1980	700	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /SL-CA /0252P	3360	1195	1980	790	1000	1000	1000	1000	F	1"1/2	B	1" 1/4
NX-G06 /D /SL-CA /0262P	3360	1195	1980	800	1000	1000	1000	1000	F	1"1/2	B	1" 1/4

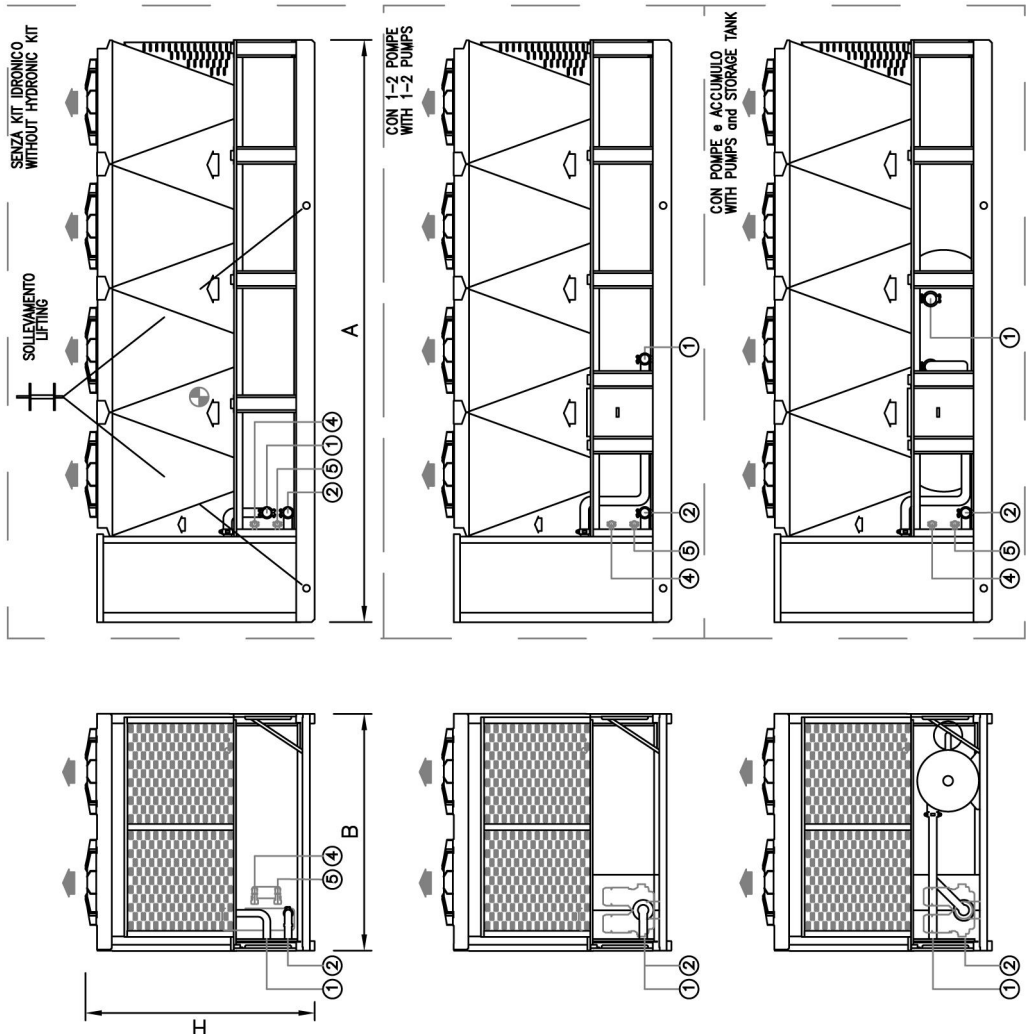
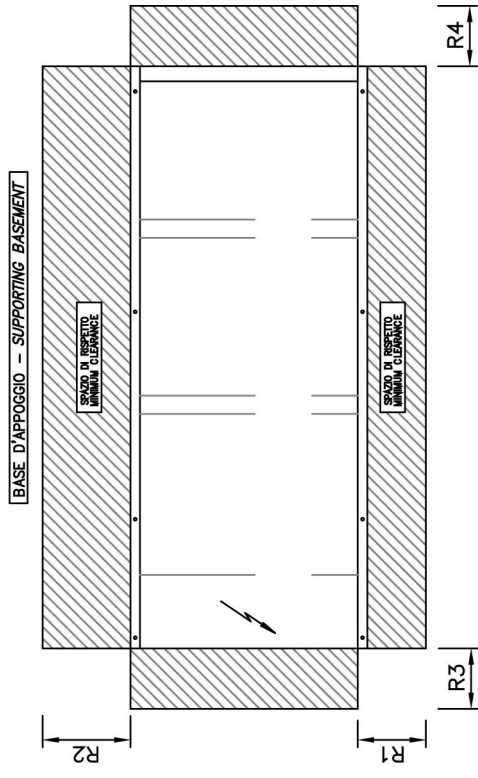
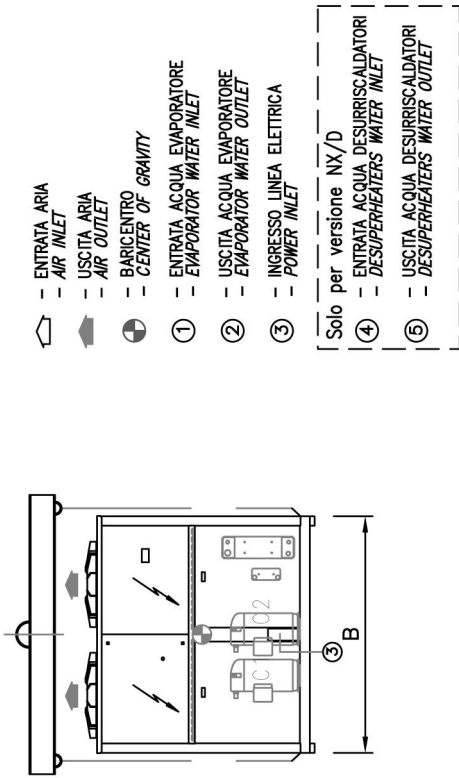


**DIMENSIONAL DRAWINGS**

**NX-G06 0202P - 0812P**

[ 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-G06 /D /SL-CA /0302P	3360	1195	1980	810	1000	1000	1000	1000	F	2"	B	1" 1/4
NX-G06 /D /SL-CA /0352P	3980	1195	1980	890	1000	1000	1000	1000	F	2"	B	1" 1/4



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**

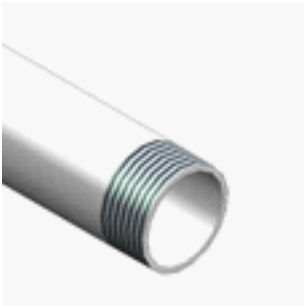
**NX-G06 0202P - 0812P**

[ 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-G06 /CA /0562P	3160	2250	2170	1460	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /CA /0612P	3160	2250	2170	1480	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /CA /0712P	3160	2250	2170	1490	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /CA /0812P	4335	2250	2170	1750	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /D /CA /0562P	3160	2250	2170	1460	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /CA /0612P	3160	2250	2170	1480	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /CA /0712P	3160	2250	2170	1490	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /CA /0812P	4335	2250	2170	1750	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /LN-CA /0562P	3160	2250	2170	1460	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /LN-CA /0612P	3160	2250	2170	1480	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /LN-CA /0712P	4335	2250	2170	1730	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /LN-CA /0812P	4335	2250	2170	1810	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /D /LN-CA /0562P	3160	2250	2170	1460	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /LN-CA /0612P	3160	2250	2170	1480	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /LN-CA /0712P	4335	2250	2170	1730	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /LN-CA /0812P	4335	2250	2170	1810	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /SL-CA /0412P	3160	2250	2170	1280	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /SL-CA /0462P	3160	2250	2170	1370	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /SL-CA /0512P	3160	2250	2170	1440	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /SL-CA /0562P	4335	2250	2170	1690	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /SL-CA /0612P	4335	2250	2170	1750	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /SL-CA /0712P	4335	2250	2170	1770	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /SL-CA /0812P	5510	2250	2170	2070	1500	2300	1500	1500	F	2"1/2	-	-
NX-G06 /D /SL-CA /0412P	3160	2250	2170	1280	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /SL-CA /0462P	3160	2250	2170	1370	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /SL-CA /0512P	3160	2250	2170	1440	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /SL-CA /0562P	4335	2250	2170	1690	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /SL-CA /0612P	4335	2250	2170	1750	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /SL-CA /0712P	4335	2250	2170	1770	1500	2300	1500	1500	F	2"1/2	B	1" 1/4
NX-G06 /D /SL-CA /0812P	5510	2250	2170	2070	1500	2300	1500	1500	F	2"1/2	B	1" 1/4

**DIMENSIONAL DRAWINGS**

**LEGEND OF PIPE CONNECTIONS**



**TYPE = B**  
Male threaded pipe



**TYPE = F**  
Grooved coupling with male threaded counter-pipe user side

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



## 12.1 HYDRONIC GROUP

### 12.1 HYDRONIC GROUP

The hydronic group consists of:

- 1 or 2 pumps, 2 poles, low or high head
- 10 mm insulation lining on pumps and pipes
- pump inlet / outlet valves
- check valves (only for twin end-suction pumps)
- drain valve
- air vent
- safety valve calibrated to 8 bar (longitudinal-V shaped units) or 10 bar (Horizontal-V shaped units)

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).

In case of twin pumps, the second pump operates in stand-by to the first. The relative operating hours of the two pumps are balanced. In case the operating pump breaks down, the reserve pump is automatically enabled.

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

The hydronic kit of the units with Longitudinal-V structure includes end-suction pumps, the one of the units with Horizontal-V structure includes in-line pumps.

### 12.1 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

### 12.1 END-SUCTION PUMPS

#### Low or high head pumps

Horizontal one-piece centrifuge pump, normalised to EN 733, axial suction and radial delivery, in single or twin version. Pump with cast iron body and AISI 316L stainless steel impeller. The section of the shaft in contact with the liquid is made from stainless steel. Mechanical seal with components in: ceramic/carbon/EPDM. Three-phase electric motor protected to IP55, insulation class F, suitable for continuous service.

### 12.1 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.

### 12.1 SPECIAL PUMPS

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

### 12.1 OTHER COMPONENTS

The hydronic kits do not include the following accessories though these are recommended to ensure correct system operation:

- Flow-out switch
- Pressure gauges upline and downline from the unit
- Flexible joints on piping
- On-off valves
- Outlet control thermometer
- Mains filter.

#### Possible configurations

PUMP GROUP	Versions					
	CA	K	LN-CA	LN-K	SL-CA	SL-K
HYDRONIC KIT 1 PUMP 2 POLES LH + TANK(3152)	X	X	X	X	X	X

PUMP GROUP	Versions					
	CA	K	LN-CA	LN-K	SL-CA	SL-K
HYDRONIC KIT 1 PUMP 2 POLES HH + TANK(3153)	X	X	X	X	X	X
HYDRONIC KIT 2 PUMPS 2 POLES LH + TANK(3155)	X	X	X	X	X	X
HYDRONIC KIT 2 PUMPS 2 POLES HH + TANK(3156)	X	X	X	X	X	X
HYDRONIC KIT 1 PUMP 2 POLES LH(3164)	X	X	X	X	X	X
HYDRONIC KIT 1 PUMP 2 POLES HH(3165)	X	X	X	X	X	X
HYDRONIC KIT 2 PUMPS 2 POLES LH(3167)	X	X	X	X	X	X
HYDRONIC KIT 2 PUMPS 2 POLES HH(3168)	X	X	X	X	X	X

#### Storage tank combinations

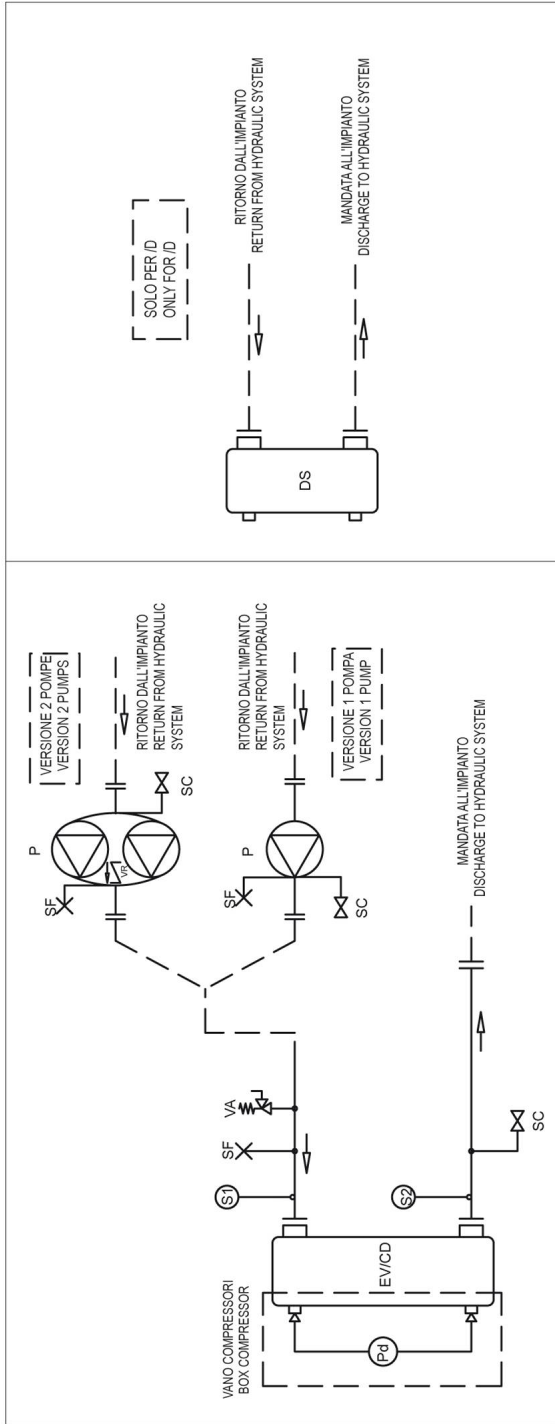
	Version	ACCUMULATION Capacity [l]
0202P	CA	140
	LN-CA	
	LN-K	
	SL-CA	
	SL-K	
0252P	K	140
	CA	
	LN-CA	
	LN-K	
	SL-K	
0262P	SL-CA	200
	CA	
	K	
	LN-CA	
	LN-K	
0302P	SL-K	140
	CA	
	K	
	LN-K	
	LN-CA	
0352P	SL-CA	200
	CA	
	K	
	LN-K	
	LN-CA	
0402P	SL-K	140
	CA	
	K	
	LN-K	

## HYDRONIC GROUP

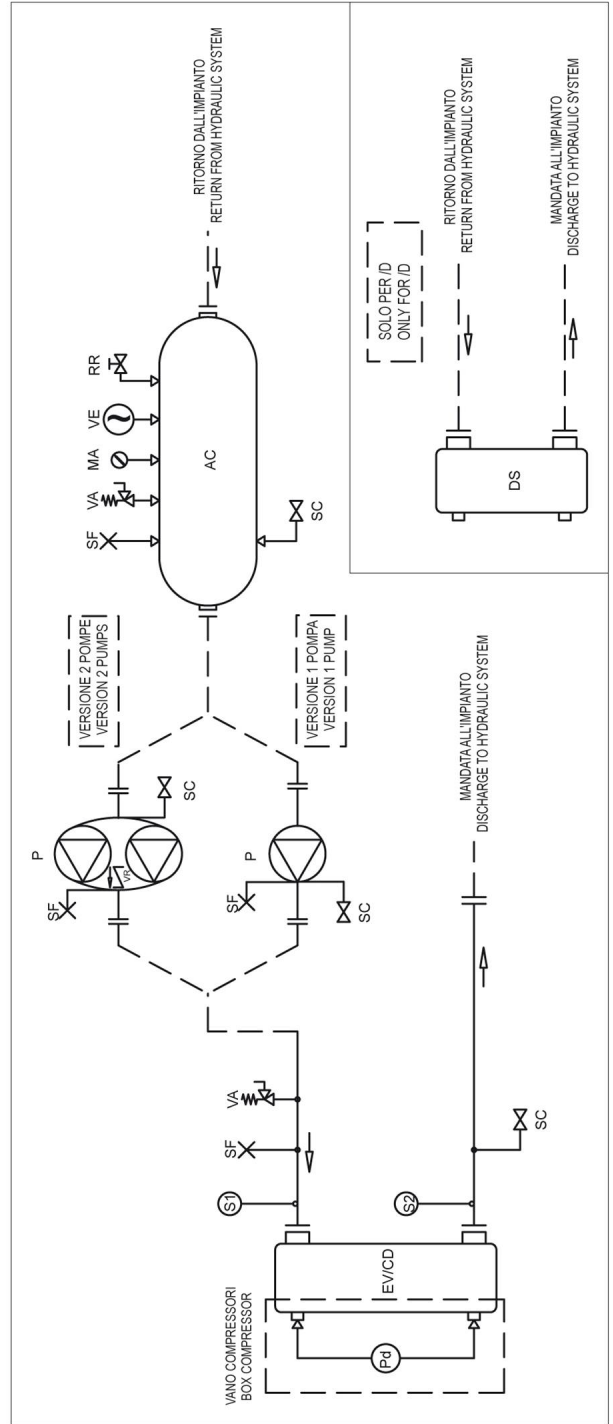
	Version	ACCUMULATION Capacity [l]
0402P	LN-CA	250
0412P	SL-CA	500
0452P	CA	200
	LN-K	
	K	140
	LN-CA	250
	SL-K	
0462P	SL-CA	500
0502P	CA	250
	LN-CA	
	SL-K	
	K	140
	LN-K	200
0512P	SL-CA	500
0552P	K	200
	LN-K	
	SL-K	250
0562P	CA	500
	LN-CA	
	SL-CA	
0602P	K	250
	LN-K	
	SL-K	
0612P	CA	500
	LN-CA	
	SL-CA	
0702P	K	250
	LN-K	
0712P	CA	500
	LN-CA	
	SL-CA	
0812P	CA	500
	LN-CA	
	SL-CA	



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



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



# HYDRONIC GROUP

## Hydronic kit positioning

	Version	HYDRONIC KIT 1 PUMP 2 POLES LH + TANK (3152)				HYDRONIC KIT 1 PUMP 2 POLES HH + TANK (3153)				HYDRONIC KIT 2 PUMPS 2 POLES LH + TANK (3155)				HYDRONIC KIT 2 PUMPS 2 POLES HH + TANK (3156)			
		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]
0202P	CA	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
	K	/	/	/	250	/	/	/	250	/	/	/	250	/	/	/	250
	LN-CA	/	/	/	310	/	/	/	310	/	/	/	310	/	/	/	310
	LN-K	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
	SL-CA	/	/	/	210	/	/	/	210	/	/	/	210	/	/	/	210
	SL-K	/	/	/	310	/	/	/	310	/	/	/	310	/	/	/	310
0252P	CA	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
	K	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
	LN-CA	/	/	/	330	/	/	/	330	/	/	/	330	/	/	/	330
	LN-K	/	/	/	310	/	/	/	310	/	/	/	310	/	/	/	310
	SL-CA	/	/	/	410	/	/	/	410	/	/	/	410	/	/	/	410
	SL-K	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
0262P	CA	/	/	/	310	/	/	/	310	/	/	/	310	/	/	/	310
	K	/	/	/	310	/	/	/	310	/	/	/	310	/	/	/	310
	LN-CA	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
	LN-K	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
	SL-CA	/	/	/	410	/	/	/	410	/	/	/	410	/	/	/	410
	SL-K	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
0302P	CA	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
	K	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
	LN-CA	/	/	/	410	/	/	/	410	/	/	/	410	/	/	/	410
	LN-K	/	/	/	320	/	/	/	320	/	/	/	320	/	/	/	320
	SL-CA	/	/	/	400	/	/	/	400	/	/	/	400	/	/	/	400
	SL-K	/	/	/	330	/	/	/	330	/	/	/	330	/	/	/	330
0352P	CA	/	/	/	480	/	/	/	480	/	/	/	480	/	/	/	480
	K	/	/	/	380	/	/	/	380	/	/	/	380	/	/	/	380
	LN-CA	/	/	/	480	/	/	/	480	/	/	/	480	/	/	/	480
	LN-K	/	/	/	380	/	/	/	380	/	/	/	380	/	/	/	380
	SL-CA	/	/	/	560	/	/	/	560	/	/	/	560	/	/	/	560
	SL-K	/	/	/	480	/	/	/	480	/	/	/	480	/	/	/	480
0402P	CA	/	/	/	480	/	/	/	480	/	/	/	480	/	/	/	480
	K	/	/	/	390	/	/	/	390	/	/	/	390	/	/	/	390
	LN-CA	/	/	/	550	/	/	/	550	/	/	/	550	/	/	/	550
	LN-K	/	/	/	390	/	/	/	390	/	/	/	390	/	/	/	390
	SL-K	/	/	/	480	/	/	/	480	/	/	/	480	/	/	/	480
0412P	SL-CA	/	/	/	860	/	/	/	860	/	/	/	860	/	/	/	860
0452P	CA	/	/	/	480	/	/	/	480	/	/	/	480	/	/	/	480
	K	/	/	/	390	/	/	/	390	/	/	/	390	/	/	/	390
	LN-CA	/	/	/	560	/	/	/	560	/	/	/	560	/	/	/	560
	LN-K	/	/	/	480	/	/	/	480	/	/	/	480	/	/	/	480

- 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)
- HYDRONIC KIT 1 PUMP 2 POLES LH + TANK HYDRONIC KIT 1 PUMP 2 POLES LH + TANK
- HYDRONIC KIT 1 PUMP 2 POLES HH + TANK HYDRONIC KIT 1 PUMP 2 POLES HH + TANK
- HYDRONIC KIT 2 PUMPS 2 POLES LH + TANK HYDRONIC KIT 2 PUMPS 2 POLES LH + TANK
- HYDRONIC KIT 2 PUMPS 2 POLES HH + TANK HYDRONIC KIT 2 PUMPS 2 POLES HH + TANK
- Not available

## HYDRONIC GROUP

### Hydronic kit positioning

	Version	HYDRONIC KIT 1 PUMP 2 POLES LH + TANK (3152)				HYDRONIC KIT 1 PUMP 2 POLES HH + TANK (3153)				HYDRONIC KIT 2 PUMPS 2 POLES LH + TANK (3155)				HYDRONIC KIT 2 PUMPS 2 POLES HH + TANK (3156)			
		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]
0452P	SL-K	/	/	/	560	/	/	/	560	/	/	/	560	/	/	/	560
0462P	SL-CA	/	/	/	850	/	/	/	850	/	/	/	850	/	/	/	850
0502P	CA	/	/	/	560	/	/	/	560	/	/	/	560	/	/	/	560
	K	/	/	/	390	/	/	/	390	/	/	/	390	/	/	/	390
	LN-CA	/	/	/	550	/	/	/	550	/	/	/	550	/	/	/	550
	LN-K	/	/	/	480	/	/	/	480	/	/	/	480	/	/	/	480
	SL-K	/	/	/	560	/	/	/	560	/	/	/	560	/	/	/	560
0512P	SL-CA	/	/	/	860	/	/	/	860	/	/	/	860	/	/	/	860
0552P	K	/	/	/	480	/	/	/	480	/	/	/	480	/	/	/	480
	LN-K	/	/	/	470	/	/	/	470	/	/	/	470	/	/	/	470
	SL-K	/	/	/	550	/	/	/	550	/	/	/	550	/	/	/	550
0562P	CA	/	/	/	860	/	/	/	860	/	/	/	860	/	/	/	860
	LN-CA	/	/	/	860	/	/	/	860	/	/	/	860	/	/	/	860
	SL-CA	/	/	/	860	/	/	/	860	/	/	/	860	/	/	/	860
0602P	K	/	/	/	550	/	/	/	550	/	/	/	550	/	/	/	550
	LN-K	/	/	/	550	/	/	/	550	/	/	/	550	/	/	/	550
	SL-K	/	/	/	550	/	/	/	550	/	/	/	550	/	/	/	550
0612P	CA	/	/	/	860	/	/	/	860	/	/	/	860	/	/	/	860
	LN-CA	/	/	/	860	/	/	/	860	/	/	/	860	/	/	/	860
	SL-CA	/	/	/	860	/	/	/	860	/	/	/	860	/	/	/	860
0702P	K	/	/	/	560	/	/	/	560	/	/	/	560	/	/	/	560
	LN-K	/	/	/	570	/	/	/	570	/	/	/	570	/	/	/	570
0712P	CA	/	/	/	910	/	/	/	910	/	/	/	910	/	/	/	910
	LN-CA	/	/	/	910	/	/	/	910	/	/	/	910	/	/	/	910
	SL-CA	/	/	/	910	/	/	/	910	/	/	/	910	/	/	/	910
0812P	CA	/	/	/	910	/	/	/	910	/	/	/	910	/	/	/	910
	LN-CA	/	/	/	910	/	/	/	910	/	/	/	910	/	/	/	910
	SL-CA	/	/	/	910	/	/	/	910	/	/	/	910	/	/	/	910

<b>extra L</b>	Unit's extra length
<b>extra W</b>	Unit's extra operating width (NOT to be considered for transport)
<b>extra H</b>	Unit's extra height
<b>extra H</b>	Unit's extra weight (pumps and piping)
<b>HYDRONIC KIT 1 PUMP 2 POLES LH + TANK</b>	HYDRONIC KIT 1 PUMP 2 POLES LH + TANK
<b>HYDRONIC KIT 1 PUMP 2 POLES HH + TANK</b>	HYDRONIC KIT 1 PUMP 2 POLES HH + TANK
<b>HYDRONIC KIT 2 PUMPS 2 POLES LH + TANK</b>	HYDRONIC KIT 2 PUMPS 2 POLES LH + TANK
<b>HYDRONIC KIT 2 PUMPS 2 POLES HH + TANK</b>	HYDRONIC KIT 2 PUMPS 2 POLES HH + TANK
-	Not available

# HYDRONIC GROUP

## Hydronic kit positioning

	Version	HYDRONIC KIT 1 PUMP 2 POLES LH (3164)				HYDRONIC KIT 1 PUMP 2 POLES HH (3165)				HYDRONIC KIT 2 PUMPS 2 POLES LH (3167)				HYDRONIC KIT 2 PUMPS 2 POLES HH (3168)			
		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]
0202P	CA	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	K	/	/	/	110	/	/	/	110	/	/	/	110	/	/	/	110
	LN-CA	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	LN-K	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	SL-CA	/	/	/	110	/	/	/	110	/	/	/	110	/	/	/	110
	SL-K	/	/	/	110	/	/	/	110	/	/	/	110	/	/	/	110
0252P	CA	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	K	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	LN-CA	/	/	/	130	/	/	/	130	/	/	/	130	/	/	/	130
	LN-K	/	/	/	110	/	/	/	110	/	/	/	110	/	/	/	110
	SL-CA	/	/	/	130	/	/	/	130	/	/	/	130	/	/	/	130
	SL-K	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
0262P	CA	/	/	/	110	/	/	/	110	/	/	/	110	/	/	/	110
	K	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	LN-CA	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	LN-K	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	SL-CA	/	/	/	130	/	/	/	130	/	/	/	130	/	/	/	130
	SL-K	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
0302P	CA	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	K	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	LN-CA	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	LN-K	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	SL-CA	/	/	/	120	/	/	/	120	/	/	/	120	/	/	/	120
	SL-K	/	/	/	130	/	/	/	130	/	/	/	130	/	/	/	130
0352P	CA	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
	K	/	/	/	180	/	/	/	180	/	/	/	180	/	/	/	180
	LN-CA	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
	LN-K	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
	SL-CA	/	/	/	210	/	/	/	210	/	/	/	210	/	/	/	210
	SL-K	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
0402P	CA	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
	K	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
	LN-CA	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
	LN-K	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
	SL-K	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
0412P	SL-CA	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
0452P	CA	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
	K	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
	LN-CA	/	/	/	210	/	/	/	210	/	/	/	210	/	/	/	210
	LN-K	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190

- 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)
- HYDRONIC KIT 1 PUMP 2 POLES LH HYDRONIC KIT 1 PUMP 2 POLES LH
- HYDRONIC KIT 1 PUMP 2 POLES HH HYDRONIC KIT 1 PUMP 2 POLES HH
- HYDRONIC KIT 2 PUMPS 2 POLES LH HYDRONIC KIT 2 PUMPS 2 POLES LH
- HYDRONIC KIT 2 PUMPS 2 POLES HH HYDRONIC KIT 2 PUMPS 2 POLES HH
- Not available

# HYDRONIC GROUP

## Hydronic kit positioning

	Version	HYDRONIC KIT 1 PUMP 2 POLES LH (3164)				HYDRONIC KIT 1 PUMP 2 POLES HH (3165)				HYDRONIC KIT 2 PUMPS 2 POLES LH (3167)				HYDRONIC KIT 2 PUMPS 2 POLES HH (3168)			
		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]
0452P	SL-K	/	/	/	210	/	/	/	210	/	/	/	210	/	/	/	210
0462P	SL-CA	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
0502P	CA	/	/	/	210	/	/	/	210	/	/	/	210	/	/	/	210
	K	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
	LN-CA	/	/	/	210	/	/	/	210	/	/	/	210	/	/	/	210
	LN-K	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
	SL-K	/	/	/	210	/	/	/	210	/	/	/	210	/	/	/	210
0512P	SL-CA	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
0552P	K	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
	LN-K	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
	SL-K	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
0562P	CA	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
	LN-CA	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
	SL-CA	/	/	/	170	/	/	/	170	/	/	/	170	/	/	/	170
0602P	K	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
	LN-K	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
	SL-K	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
0612P	CA	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
	LN-CA	/	/	/	200	/	/	/	200	/	/	/	200	/	/	/	200
	SL-CA	/	/	/	190	/	/	/	190	/	/	/	190	/	/	/	190
0702P	K	/	/	/	220	/	/	/	220	/	/	/	220	/	/	/	220
	LN-K	/	/	/	220	/	/	/	220	/	/	/	220	/	/	/	220
0712P	CA	/	/	/	240	/	/	/	240	/	/	/	240	/	/	/	240
	LN-CA	/	/	/	240	/	/	/	240	/	/	/	240	/	/	/	240
	SL-CA	/	/	/	240	/	/	/	240	/	/	/	240	/	/	/	240
0812P	CA	/	/	/	250	/	/	/	250	/	/	/	250	/	/	/	250
	LN-CA	/	/	/	240	/	/	/	240	/	/	/	240	/	/	/	240
	SL-CA	/	/	/	240	/	/	/	240	/	/	/	240	/	/	/	240

<b>extra L</b>	Unit's extra length
<b>extra W</b>	Unit's extra operating width (NOT to be considered for transport)
<b>extra H</b>	Unit's extra height
<b>extra H</b>	Unit's extra weight (pumps and piping)
<b>HYDRONIC KIT 1 PUMP 2 POLES LH</b>	HYDRONIC KIT 1 PUMP 2 POLES LH
<b>HYDRONIC KIT 1 PUMP 2 POLES HH</b>	HYDRONIC KIT 1 PUMP 2 POLES HH
<b>HYDRONIC KIT 2 PUMPS 2 POLES LH</b>	HYDRONIC KIT 2 PUMPS 2 POLES LH
<b>HYDRONIC KIT 2 PUMPS 2 POLES HH</b>	HYDRONIC KIT 2 PUMPS 2 POLES HH
-	Not available

HYDRONIC GROUP

HEAT EXCHANGER USER SIDE - HYDRONIC KIT 1 PUMP 2 POLES HH

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0202P	CA	52,80	2,525	A1	DWC-V 500/2,2	2	5	2,200	196
	K	49,84	2,383						201
	LN-CA	52,81	2,525						196
	LN-K	49,63	2,373						202
	SL-CA	53,11	2,540						195
	SL-K	50,18	2,400						201
0252P	CA	59,95	2,867	B1					204
	K	56,52	2,703						210
	LN-CA	60,95	2,915						203
	LN-K	56,41	2,697						210
	SL-CA	59,72	2,856						205
	SL-K	56,53	2,703						210
0262P	CA	66,81	3,195	B2	DWC-V 500/3	2	6	3,000	201
	K	62,39	2,984						207
	LN-CA	67,86	3,245						199
	LN-K	62,90	3,008						206
	SL-CA	66,44	3,177						201
	SL-K	63,24	3,024						206
0302P	CA	81,64	3,904	B3					190
	K	74,51	3,563						200
	LN-CA	79,36	3,795						193
	LN-K	71,67	3,427						204
	SL-CA	78,67	3,762						194
	SL-K	74,64	3,569						200
0352P	CA	92,73	4,435	C1	3D 32-160/2.2	2	5	2,200	211
	K	84,98	4,064						234
	LN-CA	90,65	4,335						218
	LN-K	86,34	4,129						230
	SL-CA	90,71	4,338						218
	SL-K	84,96	4,063						234
0402P	CA	103,6	4,956	C2					214
	K	97,89	4,681						229
	LN-CA	103,1	4,932						216
	LN-K	95,43	4,564						235
	SL-K	96,00	4,591						234
0412P	SL-CA	101,8	4,867	D1	LNEE 50-160/40/2	2	8	4,000	211
0452P	CA	117,0	5,597	E1	3D 40-160/3	2	6	3,000	204
	K	109,9	5,255						215
	LN-CA	115,8	5,538						206
	LN-K	108,3	5,181						217
	SL-K	108,9	5,207						217
0462P	SL-CA	113,9	5,447	F1	LNEE 50-160/40/2	2	8	4,000	208
0502P	CA	132,3	6,326	G1	3D 40-160/3	2	6	3,000	194
	K	122,3	5,850						209
	LN-CA	128,8	6,160						199
	LN-K	120,2	5,749						212
	SL-K	119,4	5,708						213
0512P	SL-CA	127,7	6,106	H1	LNEE 50-160/40/2	2	8	4,000	206
0552P	K	138,5	6,623	I1	3D 40-160/3	2	6	3,000	194
	LN-K	134,3	6,422						200
	SL-K	134,9	6,449						200

## HYDRONIC GROUP

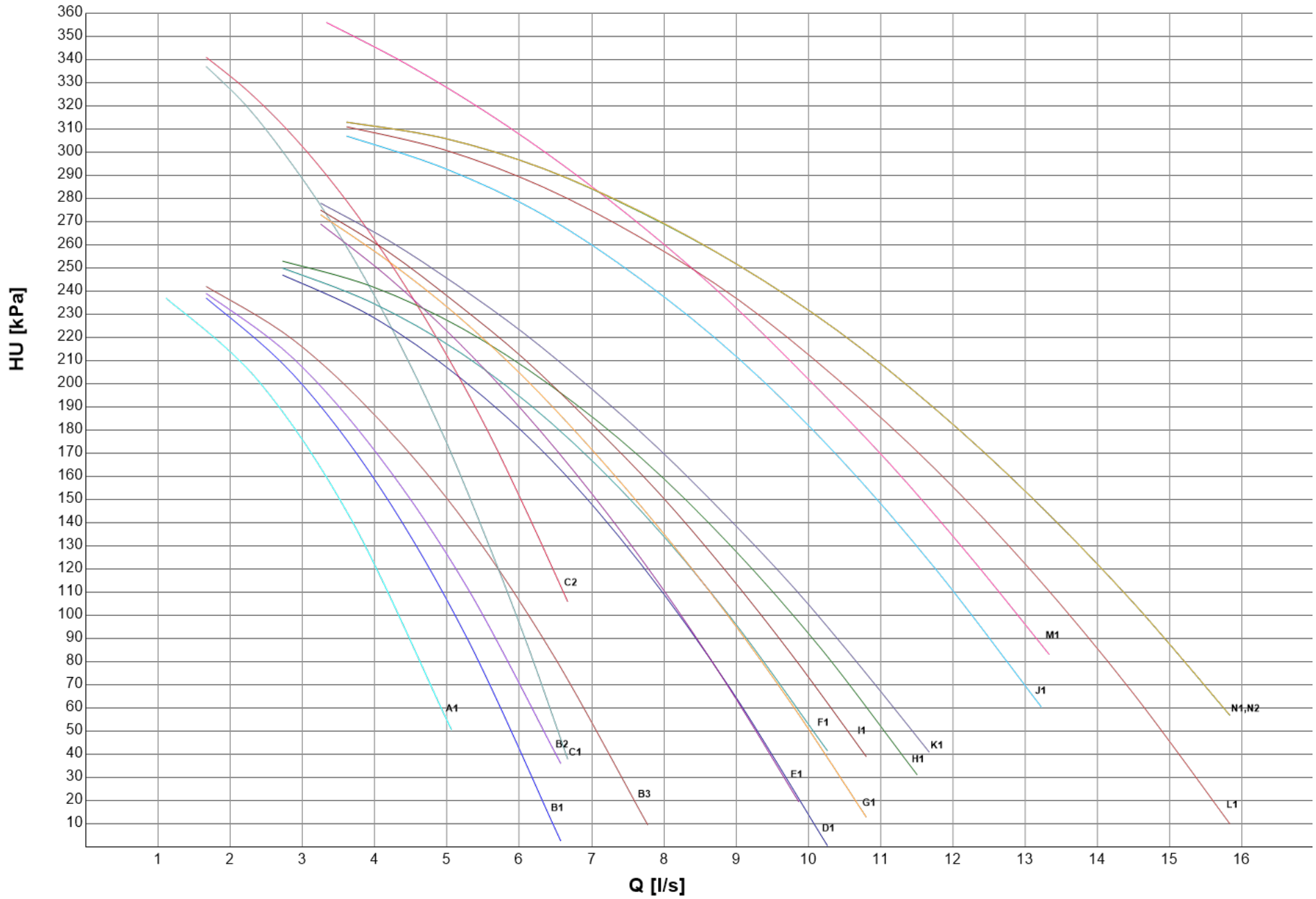
### HEAT EXCHANGER USER SIDE - HYDRONIC KIT 1 PUMP 2 POLES HH

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0562P	CA	153,9	7,361	J1	LNEE 50-160/55/2	2	11	5,500	252
	LN-CA	147,8	7,067						259
	SL-CA	145,6	6,962						261
0602P	K	159,0	7,605	K1	3D 40-160/3	2	6	3,000	181
	LN-K	156,3	7,473						185
	SL-K	146,9	7,023						197
0612P	CA	171,3	8,191	L1	LNEE 50-160/55/2	2	11	5,500	254
	LN-CA	165,8	7,931						259
	SL-CA	165,4	7,911						259
0702P	K	181,9	8,698	M1	3D 40-160/4	2	9	4,000	241
	LN-K	172,2	8,237						254
0712P	CA	193,2	9,237	N1	LNEE 50-160/55/2	2	11	5,500	247
	LN-CA	190,4	9,106						250
	SL-CA	187,1	8,945						253
0812P	CA	218,0	10,43	N2	LNEE 50-160/55/2	2	11	5,500	222
	LN-CA	212,4	10,16						228
	SL-CA	208,9	9,989						232

(1) Values refer to nominal conditions  
 CH Cooling 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 - HYDRONIC KIT 1 PUMP 2 POLES HH





HYDRONIC GROUP

HEAT EXCHANGER USER SIDE - HYDRONIC KIT 1 PUMP 2 POLES HH + TANK

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0202P	CA	52,80	2,525	A1	DWC-V 500/2,2	2	5	2,200	196
	K	49,84	2,383						201
	LN-CA	52,81	2,525						196
	LN-K	49,63	2,373						202
	SL-CA	53,11	2,540						195
	SL-K	50,18	2,400						201
0252P	CA	59,95	2,867	B1					204
	K	56,52	2,703						210
	LN-CA	60,95	2,915						203
	LN-K	56,41	2,697						210
	SL-CA	59,72	2,856						205
	SL-K	56,53	2,703						210
0262P	CA	66,81	3,195	B2	DWC-V 500/3	2	6	3,000	201
	K	62,39	2,984						207
	LN-CA	67,86	3,245						199
	LN-K	62,90	3,008						206
	SL-CA	66,44	3,177						201
	SL-K	63,24	3,024						206
0302P	CA	81,64	3,904	B3					190
	K	74,51	3,563						200
	LN-CA	79,36	3,795						193
	LN-K	71,67	3,427						204
	SL-CA	78,67	3,762						194
	SL-K	74,64	3,569						200
0352P	CA	92,73	4,435	C1	3D 32-160/2.2	2	5	2,200	211
	K	84,98	4,064						234
	LN-CA	90,65	4,335						218
	LN-K	86,34	4,129						230
	SL-CA	90,71	4,338						218
	SL-K	84,96	4,063						234
0402P	CA	103,6	4,956	C2					214
	K	97,89	4,681						229
	LN-CA	103,1	4,932						216
	LN-K	95,43	4,564						235
	SL-K	96,00	4,591						234
0412P	SL-CA	101,8	4,867	D1	LNEE 50-160/40/2	2	8	4,000	209
0452P	CA	117,0	5,597	E1	3D 40-160/3	2	6	3,000	204
	K	109,9	5,255						215
	LN-CA	115,8	5,538						206
	LN-K	108,3	5,181						217
	SL-K	108,9	5,207						217
0462P	SL-CA	113,9	5,447	F1	LNEE 50-160/40/2	2	8	4,000	205
0502P	CA	132,3	6,326	G1	3D 40-160/3	2	6	3,000	194
	K	122,3	5,850						209
	LN-CA	128,8	6,160						199
	LN-K	120,2	5,749						212
	SL-K	119,4	5,708						213
0512P	SL-CA	127,7	6,106	H1	LNEE 50-160/40/2	2	8	4,000	204
0552P	K	138,5	6,623	I1	3D 40-160/3	2	6	3,000	194
	LN-K	134,3	6,422						200
	SL-K	134,9	6,449						200

## HYDRONIC GROUP

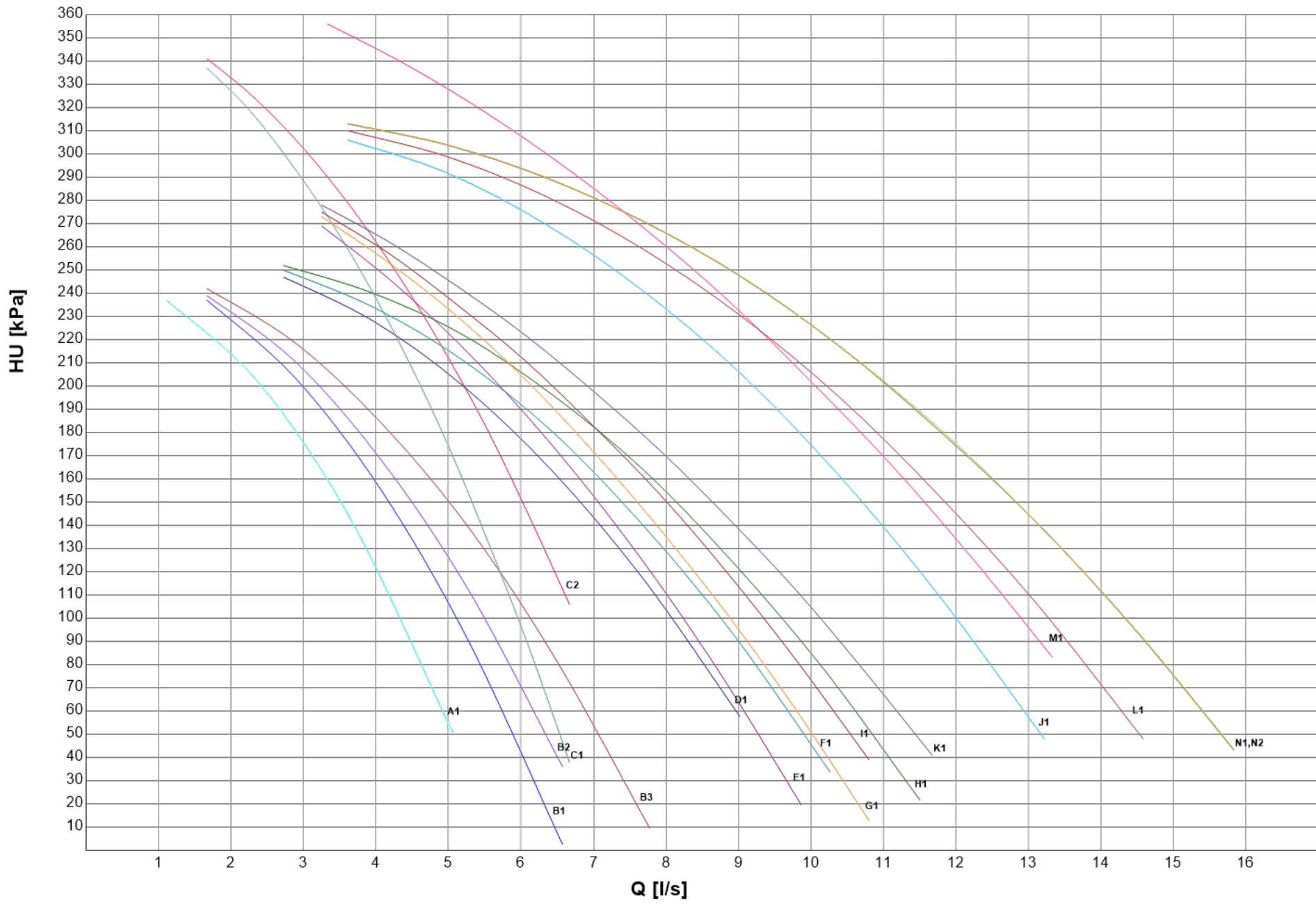
### HEAT EXCHANGER USER SIDE - HYDRONIC KIT 1 PUMP 2 POLES HH + TANK

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0562P	CA	153,9	7,361	J1	LNEE 50-160/55/2	2	11	5,500	248
	LN-CA	147,8	7,067						255
	SL-CA	145,6	6,962						257
0602P	K	159,0	7,605	K1	3D 40-160/3	2	6	3,000	181
	LN-K	156,3	7,473						185
	SL-K	146,9	7,023						197
0612P	CA	171,3	8,191	L1	LNEE 50-160/55/2	2	11	5,500	249
	LN-CA	165,8	7,931						254
	SL-CA	165,4	7,911						255
0702P	K	181,9	8,698	M1	3D 40-160/4	2	9	4,000	241
	LN-K	172,2	8,237						254
0712P	CA	193,2	9,237	N1	LNEE 50-160/55/2	2	11	5,500	243
	LN-CA	190,4	9,106						245
	SL-CA	187,1	8,945						249
0812P	CA	218,0	10,43	N2	LNEE 50-160/55/2	2	11	5,500	216
	LN-CA	212,4	10,16						223
	SL-CA	208,9	9,989						227

(1) Values refer to nominal conditions  
 CH Cooling 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 - HYDRONIC KIT 1 PUMP 2 POLES HH + TANK



HYDRONIC GROUP

HEAT EXCHANGER USER SIDE - HYDRONIC KIT 1 PUMP 2 POLES LH

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0202P	CA	52,80	2,525	A1	DWC-V 300/1,1( R )	2	3	1,100	84,9
	K	49,84	2,383						91,7
	LN-CA	52,81	2,525						84,9
	LN-K	49,63	2,373						92,1
	SL-CA	53,11	2,540						84,2
	SL-K	50,18	2,400						90,9
0252P	CA	59,95	2,867	A2	DWC-V 300/1,1( R )	2	3	1,100	80,9
	K	56,52	2,703						88,1
	LN-CA	60,95	2,915						78,7
	LN-K	56,41	2,697						88,4
	SL-CA	59,72	2,856						81,4
	SL-K	56,53	2,703						88,1
0262P	CA	66,81	3,195	B1	DWC-V 300/1,1	2	3	1,100	128
	K	62,39	2,984						137
	LN-CA	67,86	3,245						125
	LN-K	62,90	3,008						136
	SL-CA	66,44	3,177						128
	SL-K	63,24	3,024						135
0302P	CA	81,64	3,904	B2	DWC-V 300/1,1	2	3	1,100	108
	K	74,51	3,563						123
	LN-CA	79,36	3,795						113
	LN-K	71,67	3,427						128
	SL-CA	78,67	3,762						114
	SL-K	74,64	3,569						123
0352P	CA	92,73	4,435	C1	DWC-V 300/1,5	2	4	1,500	113
	K	84,98	4,064						132
	LN-CA	90,65	4,335						118
	LN-K	86,34	4,129						128
	SL-CA	90,71	4,338						118
	SL-K	84,96	4,063						132
0402P	CA	103,6	4,956	C2	DWC-V 300/1,5	2	4	1,500	121
	K	97,89	4,681						133
	LN-CA	103,1	4,932						122
	LN-K	95,43	4,564						138
	SL-K	96,00	4,591						137
0412P	SL-CA	101,8	4,867	D1	LNEE 50-125/22/2	2	5	2,200	119
0452P	CA	117,0	5,597	E1	DWC-V 300/1,5	2	4	1,500	105
	K	109,9	5,255						119
	LN-CA	115,8	5,538						107
	LN-K	108,3	5,181						122
	SL-K	108,9	5,207						121
0462P	SL-CA	113,9	5,447	F1	LNEE 50-125/22/2	2	5	2,200	115
0502P	CA	132,3	6,326	G1	DWC-V 500/1,5	2	4	1,500	83,6
	K	122,3	5,850						97,2
	LN-CA	128,8	6,160						88,4
	LN-K	120,2	5,749						99,9
	SL-K	119,4	5,708						101
0512P	SL-CA	127,7	6,106	H1	LNEE 50-125/22/2	2	5	2,200	112
0552P	K	138,5	6,623	I1	DWC-V 500/1,5	2	4	1,500	84,5
	LN-K	134,3	6,422						90,0
	SL-K	134,9	6,449						89,3

## HYDRONIC GROUP

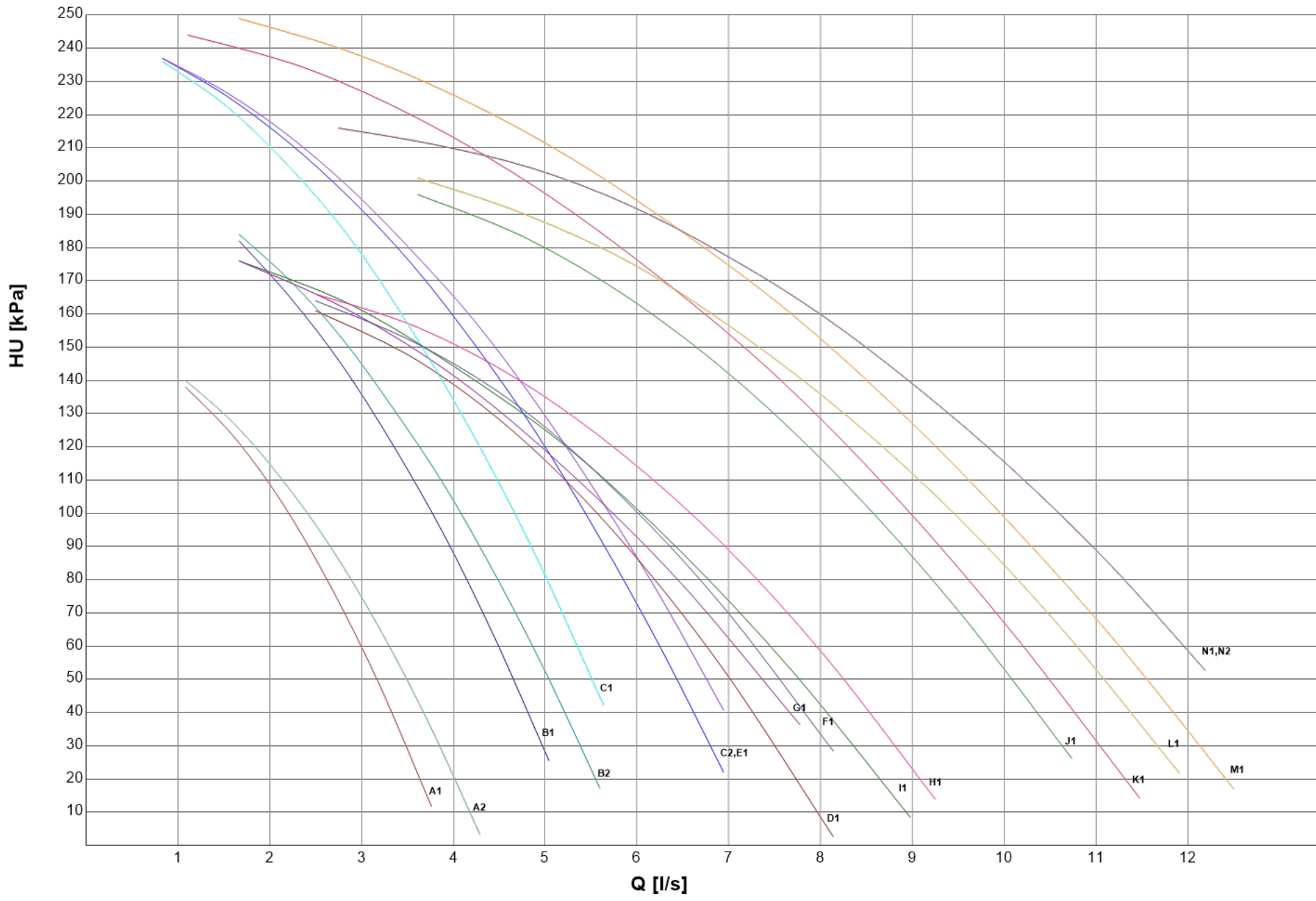
### HEAT EXCHANGER USER SIDE - HYDRONIC KIT 1 PUMP 2 POLES LH

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0562P	CA	153,9	7,361	J1	LNEE 50-125/30/2	2	6	3,000	133
	LN-CA	147,8	7,067						140
	SL-CA	145,6	6,962						143
0602P	K	159,0	7,605	K1	DWC-V 500/2,2	2	5	2,200	139
	LN-K	156,3	7,473						142
	SL-K	146,9	7,023						153
0612P	CA	171,3	8,191	L1	LNEE 50-125/30/2	2	6	3,000	132
	LN-CA	165,8	7,931						138
	SL-CA	165,4	7,911						138
0702P	K	181,9	8,698	M1	DWC-V 500/3	2	6	3,000	135
	LN-K	172,2	8,237						146
0712P	CA	193,2	9,237	N1	LNEE 50-160/30/2	2	6	3,000	134
	LN-CA	190,4	9,106						137
	SL-CA	187,1	8,945						140
0812P	CA	218,0	10,43	N2	LNEE 50-160/30/2	2	6	3,000	105
	LN-CA	212,4	10,16						112
	SL-CA	208,9	9,989						116

(1) Values refer to nominal conditions  
 CH Cooling 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 - HYDRONIC KIT 1 PUMP 2 POLES LH



**HYDRONIC GROUP**

**HEAT EXCHANGER USER SIDE - HYDRONIC KIT 1 PUMP 2 POLES LH + TANK**

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0202P	CA	52,80	2,525	A1	DWC-V 300/1,1( R )	2	3	1,100	84,9
	K	49,84	2,383						91,7
	LN-CA	52,81	2,525						84,9
	LN-K	49,63	2,373						92,1
	SL-CA	53,11	2,540						84,2
	SL-K	50,18	2,400						90,9
0252P	CA	59,95	2,867	A2	DWC-V 300/1,1( R )	2	3	1,100	80,9
	K	56,52	2,703						88,1
	LN-CA	60,95	2,915						78,7
	LN-K	56,41	2,697						88,4
	SL-CA	59,72	2,856						81,4
	SL-K	56,53	2,703						88,1
0262P	CA	66,81	3,195	B1	DWC-V 300/1,1	2	3	1,100	128
	K	62,39	2,984						137
	LN-CA	67,86	3,245						125
	LN-K	62,90	3,008						136
	SL-CA	66,44	3,177						128
	SL-K	63,24	3,024						135
0302P	CA	81,64	3,904	B2	DWC-V 300/1,1	2	3	1,100	108
	K	74,51	3,563						123
	LN-CA	79,36	3,795						113
	LN-K	71,67	3,427						128
	SL-CA	78,67	3,762						114
	SL-K	74,64	3,569						123
0352P	CA	92,73	4,435	C1	DWC-V 300/1,5	2	4	1,500	113
	K	84,98	4,064						132
	LN-CA	90,65	4,335						118
	LN-K	86,34	4,129						128
	SL-CA	90,71	4,338						118
	SL-K	84,96	4,063						132
0402P	CA	103,6	4,956	C2	DWC-V 300/1,5	2	4	1,500	121
	K	97,89	4,681						133
	LN-CA	103,1	4,932						122
	LN-K	95,43	4,564						138
	SL-K	96,00	4,591						137
0412P	SL-CA	101,8	4,867	D1	LNEE 50-125/22/2	2	5	2,200	117
0452P	CA	117,0	5,597	E1	DWC-V 300/1,5	2	4	1,500	105
	K	109,9	5,255						119
	LN-CA	115,8	5,538						107
	LN-K	108,3	5,181						122
	SL-K	108,9	5,207						121
0462P	SL-CA	113,9	5,447	F1	LNEE 50-125/22/2	2	5	2,200	113
0502P	CA	132,3	6,326	G1	DWC-V 500/1,5	2	4	1,500	83,6
	K	122,3	5,850						97,2
	LN-CA	128,8	6,160						88,4
	LN-K	120,2	5,749						99,9
	SL-K	119,4	5,708						101
0512P	SL-CA	127,7	6,106	H1	LNEE 50-125/22/2	2	5	2,200	109
0552P	K	138,5	6,623	I1	DWC-V 500/1,5	2	4	1,500	84,5
	LN-K	134,3	6,422						90,0
	SL-K	134,9	6,449						89,3

## HYDRONIC GROUP

### HEAT EXCHANGER USER SIDE - HYDRONIC KIT 1 PUMP 2 POLES LH + TANK

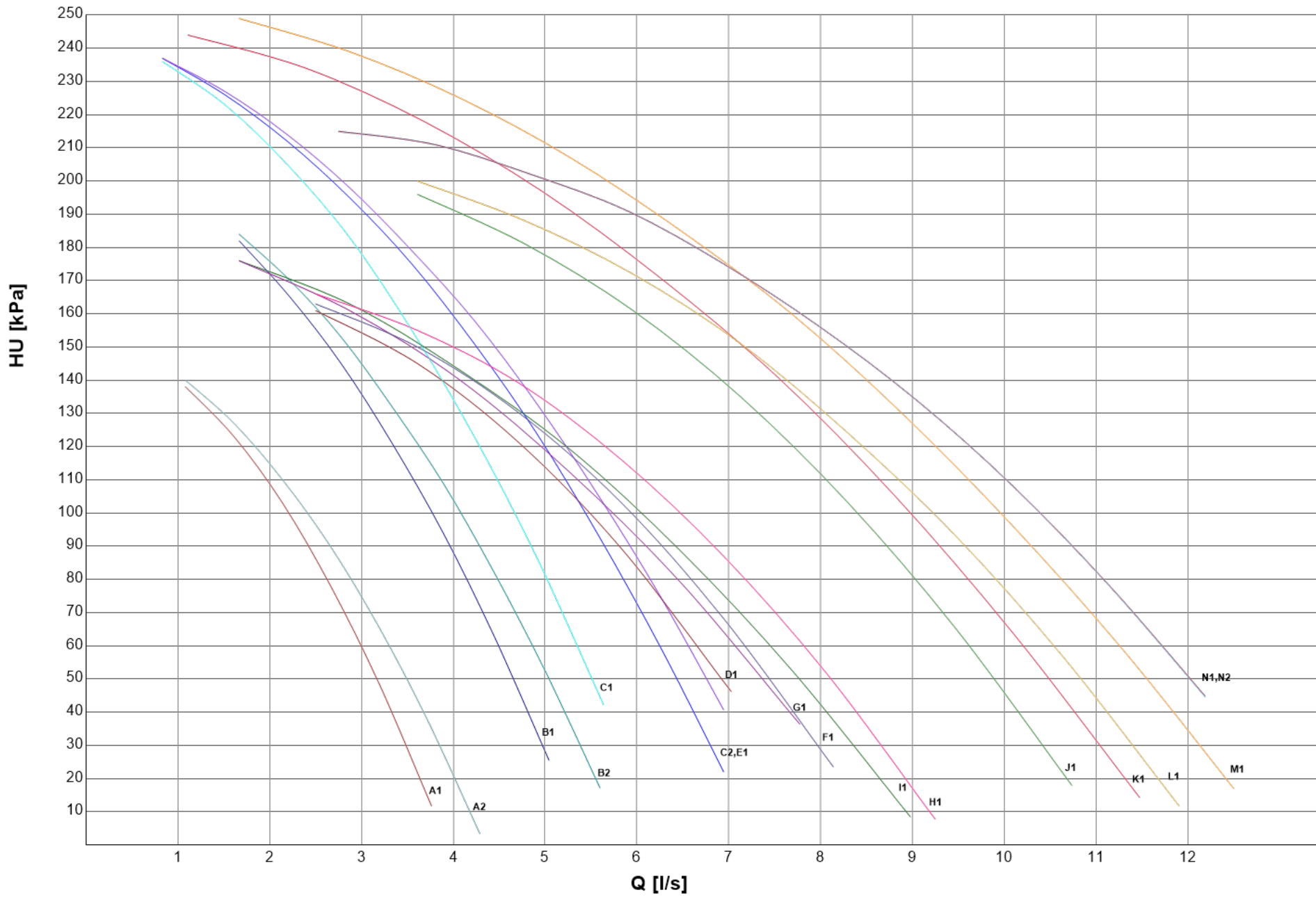
SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0562P	CA	153,9	7,361	J1	LNEE 50-125/30/2	2	6	3,000	129
	LN-CA	147,8	7,067						137
	SL-CA	145,6	6,962						139
0602P	K	159,0	7,605	K1	DWC-V 500/2,2	2	5	2,200	139
	LN-K	156,3	7,473						142
	SL-K	146,9	7,023						153
0612P	CA	171,3	8,191	L1	LNEE 50-125/30/2	2	6	3,000	127
	LN-CA	165,8	7,931						133
	SL-CA	165,4	7,911						134
0702P	K	181,9	8,698	M1	DWC-V 500/3	2	6	3,000	135
	LN-K	172,2	8,237						146
0712P	CA	193,2	9,237	N1	LNEE 50-160/30/2	2	6	3,000	129
	LN-CA	190,4	9,106						132
	SL-CA	187,1	8,945						136
0812P	CA	218,0	10,43	N2	LNEE 50-160/30/2	2	6	3,000	98,8
	LN-CA	212,4	10,16						106
	SL-CA	208,9	9,989						111

(1) Values refer to nominal conditions  
 CH Cooling 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 - HYDRONIC KIT 1 PUMP 2 POLES LH + TANK



## HYDRONIC GROUP

### HEAT EXCHANGER USER SIDE - HYDRONIC KIT 2 PUMPS 2 POLES HH

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0202P	CA	52,80	2,525	A1	DWC-V 500/2,2	2	5	2,200	192
	K	49,84	2,383						198
	LN-CA	52,81	2,525						192
	LN-K	49,63	2,373						199
	SL-CA	53,11	2,540						192
	SL-K	50,18	2,400						198
0252P	CA	59,95	2,867	B1					200
	K	56,52	2,703						206
	LN-CA	60,95	2,915						198
	LN-K	56,41	2,697						206
	SL-CA	59,72	2,856						200
	SL-K	56,53	2,703						206
0262P	CA	66,81	3,195	B2	DWC-V 500/3	2	6	3,000	195
	K	62,39	2,984						203
	LN-CA	67,86	3,245						193
	LN-K	62,90	3,008						202
	SL-CA	66,44	3,177						196
	SL-K	63,24	3,024						201
0302P	CA	81,64	3,904	B3					182
	K	74,51	3,563						193
	LN-CA	79,36	3,795						186
	LN-K	71,67	3,427						198
	SL-CA	78,67	3,762						187
	SL-K	74,64	3,569						193
0352P	CA	92,73	4,435	C1	3D 32-160/2.2	2	5	2,200	201
	K	84,98	4,064						225
	LN-CA	90,65	4,335						208
	LN-K	86,34	4,129						221
	SL-CA	90,71	4,338						208
	SL-K	84,96	4,063						225
0402P	CA	103,6	4,956	C2					209
	K	97,89	4,681						224
	LN-CA	103,1	4,932						211
	LN-K	95,43	4,564						231
	SL-K	96,00	4,591						229
0412P	SL-CA	101,8	4,867	D1	LNTE 50-160/40/2	2	8	4,000	212
0452P	CA	117,0	5,597	E1	3D 40-160/3	2	6	3,000	198
	K	109,9	5,255						209
	LN-CA	115,8	5,538						200
	LN-K	108,3	5,181						212
	SL-K	108,9	5,207						211
0462P	SL-CA	113,9	5,447	F1	LNTE 50-160/40/2	2	8	4,000	208
0502P	CA	132,3	6,326	G1	3D 40-160/3	2	6	3,000	186
	K	122,3	5,850						202
	LN-CA	128,8	6,160						192
	LN-K	120,2	5,749						205
	SL-K	119,4	5,708						206
0512P	SL-CA	127,7	6,106	H1	LNTE 50-160/40/2	2	8	4,000	206
0552P	K	138,5	6,623	I1	3D 40-160/3	2	6	3,000	186
	LN-K	134,3	6,422						192
	SL-K	134,9	6,449						191

## HYDRONIC GROUP

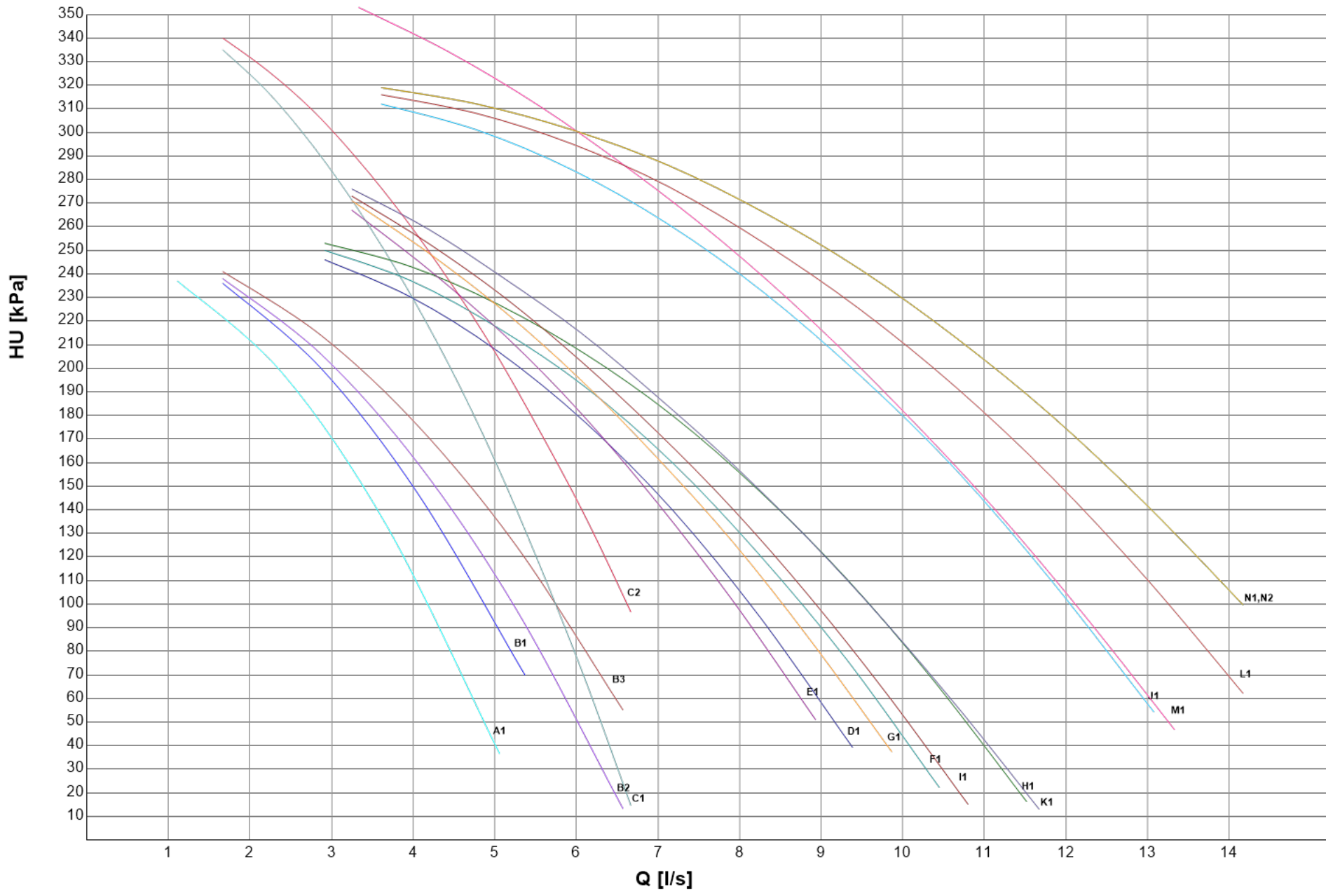
### HEAT EXCHANGER USER SIDE - HYDRONIC KIT 2 PUMPS 2 POLES HH

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0562P	CA	153,9	7,361	J1	LNTE 50-160/55/2	2	11	5,500	256
	LN-CA	147,8	7,067						262
	SL-CA	145,6	6,962						264
0602P	K	159,0	7,605	K1	3D 40-160/3	2	6	3,000	169
	LN-K	156,3	7,473						174
	SL-K	146,9	7,023						187
0612P	CA	171,3	8,191	L1	LNTE 50-160/55/2	2	11	5,500	256
	LN-CA	165,8	7,931						261
	SL-CA	165,4	7,911						262
0702P	K	181,9	8,698	M1	3D 40-160/4	2	9	4,000	226
	LN-K	172,2	8,237						240
0712P	CA	193,2	9,237	N1	LNTE 50-160/55/2	2	11	5,500	247
	LN-CA	190,4	9,106						250
	SL-CA	187,1	8,945						254
0812P	CA	218,0	10,43	N2	LNTE 50-160/55/2	2	11	5,500	219
	LN-CA	212,4	10,16						226
	SL-CA	208,9	9,989						230

(1) Values refer to nominal conditions  
 CH Cooling 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 - HYDRONIC KIT 2 PUMPS 2 POLES HH



## HYDRONIC GROUP

### HEAT EXCHANGER USER SIDE - HYDRONIC KIT 2 PUMPS 2 POLES HH + TANK

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0202P	CA	52,80	2,525	A1	DWC-V 500/2,2	2	5	2,200	192
	K	49,84	2,383						198
	LN-CA	52,81	2,525						192
	LN-K	49,63	2,373						199
	SL-CA	53,11	2,540						192
	SL-K	50,18	2,400						198
0252P	CA	59,95	2,867	B1					200
	K	56,52	2,703						206
	LN-CA	60,95	2,915						198
	LN-K	56,41	2,697						206
	SL-CA	59,72	2,856						200
	SL-K	56,53	2,703						206
0262P	CA	66,81	3,195	B2	DWC-V 500/3	2	6	3,000	195
	K	62,39	2,984						203
	LN-CA	67,86	3,245						193
	LN-K	62,90	3,008						202
	SL-CA	66,44	3,177						196
	SL-K	63,24	3,024						201
0302P	CA	81,64	3,904	B3					182
	K	74,51	3,563						193
	LN-CA	79,36	3,795						186
	LN-K	71,67	3,427						198
	SL-CA	78,67	3,762						187
	SL-K	74,64	3,569						193
0352P	CA	92,73	4,435	C1	3D 32-160/2.2	2	5	2,200	201
	K	84,98	4,064						225
	LN-CA	90,65	4,335						208
	LN-K	86,34	4,129						221
	SL-CA	90,71	4,338						208
	SL-K	84,96	4,063						225
0402P	CA	103,6	4,956	C2					209
	K	97,89	4,681						224
	LN-CA	103,1	4,932						211
	LN-K	95,43	4,564						231
	SL-K	96,00	4,591						229
0412P	SL-CA	101,8	4,867	D1	LNTE 50-160/40/2	2	8	4,000	210
0452P	CA	117,0	5,597	E1	3D 40-160/3	2	6	3,000	198
	K	109,9	5,255						209
	LN-CA	115,8	5,538						200
	LN-K	108,3	5,181						212
	SL-K	108,9	5,207						211
0462P	SL-CA	113,9	5,447	F1	LNTE 50-160/40/2	2	8	4,000	206
0502P	CA	132,3	6,326	G1	3D 40-160/3	2	6	3,000	186
	K	122,3	5,850						202
	LN-CA	128,8	6,160						192
	LN-K	120,2	5,749						205
	SL-K	119,4	5,708						206
0512P	SL-CA	127,7	6,106	H1	LNTE 50-160/40/2	2	8	4,000	204
0552P	K	138,5	6,623	I1	3D 40-160/3	2	6	3,000	186
	LN-K	134,3	6,422						192
	SL-K	134,9	6,449						191

## HYDRONIC GROUP

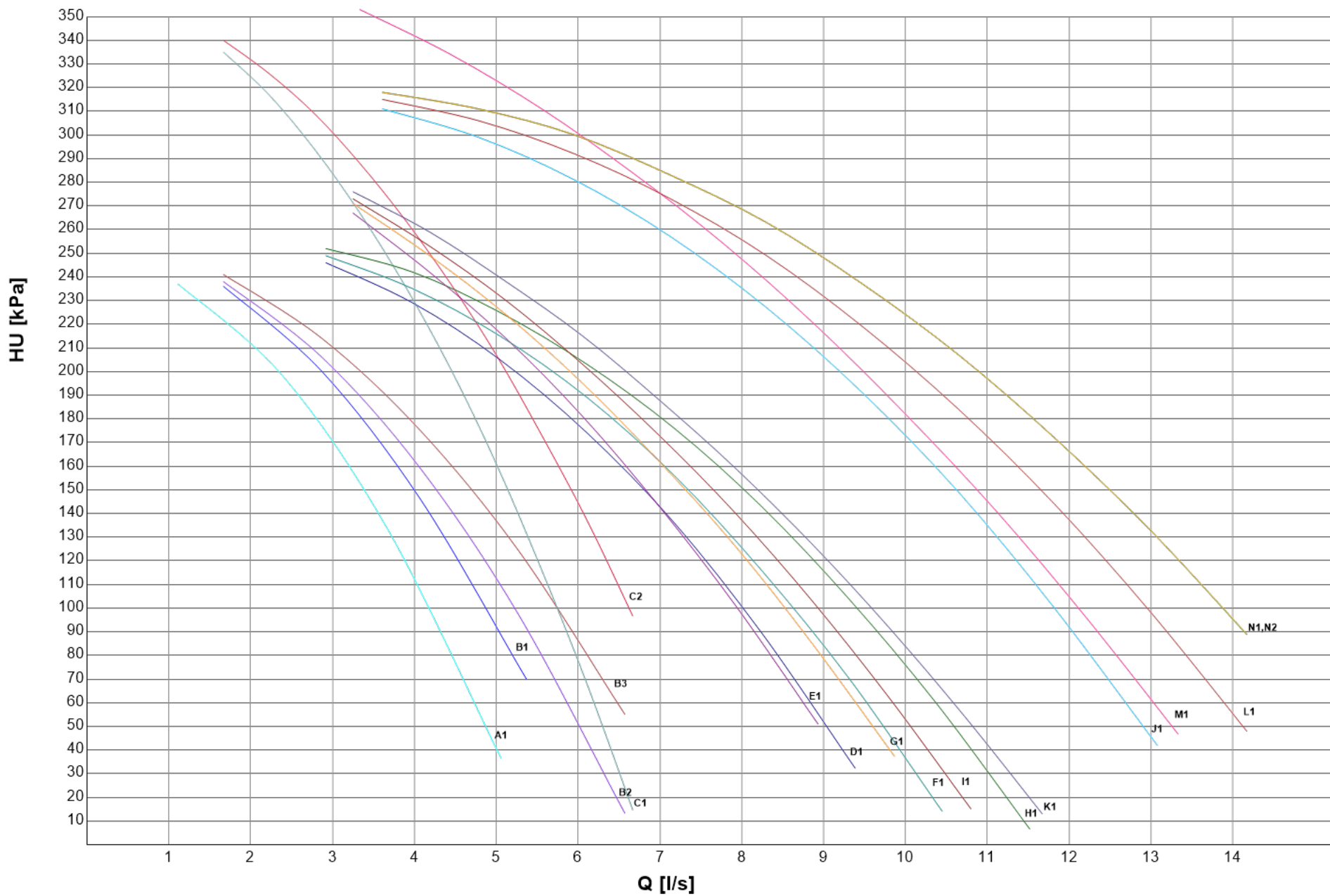
### HEAT EXCHANGER USER SIDE - HYDRONIC KIT 2 PUMPS 2 POLES HH + TANK

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0562P	CA	153,9	7,361	J1	LNTE 50-160/55/2	2	11	5,500	252
	LN-CA	147,8	7,067						259
	SL-CA	145,6	6,962						261
0602P	K	159,0	7,605	K1	3D 40-160/3	2	6	3,000	169
	LN-K	156,3	7,473						174
	SL-K	146,9	7,023						187
0612P	CA	171,3	8,191	L1	LNTE 50-160/55/2	2	11	5,500	251
	LN-CA	165,8	7,931						257
	SL-CA	165,4	7,911						257
0702P	K	181,9	8,698	M1	3D 40-160/4	2	9	4,000	226
	LN-K	172,2	8,237						240
0712P	CA	193,2	9,237	N1	LNTE 50-160/55/2	2	11	5,500	243
	LN-CA	190,4	9,106						246
	SL-CA	187,1	8,945						249
0812P	CA	218,0	10,43	N2	LNTE 50-160/55/2	2	11	5,500	213
	LN-CA	212,4	10,16						220
	SL-CA	208,9	9,989						225

(1) Values refer to nominal conditions  
 CH Cooling 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 - HYDRONIC KIT 2 PUMPS 2 POLES HH + TANK



**HYDRONIC GROUP**

**HEAT EXCHANGER USER SIDE - HYDRONIC KIT 2 PUMPS 2 POLES LH**

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0202P	CA	52,80	2,525	A1	DWC-V 300/1,1( R )	2	3	1,100	81,4
	K	49,84	2,383						88,5
	LN-CA	52,81	2,525						81,4
	LN-K	49,63	2,373						89,0
	SL-CA	53,11	2,540						80,6
	SL-K	50,18	2,400						87,7
0252P	CA	59,95	2,867	A2	DWC-V 300/1,1( R )	2	3	1,100	76,6
	K	56,52	2,703						84,3
	LN-CA	60,95	2,915						74,2
	LN-K	56,41	2,697						84,5
	SL-CA	59,72	2,856						77,1
	SL-K	56,53	2,703						84,2
0262P	CA	66,81	3,195	B1	DWC-V 300/1,1	2	3	1,100	122
	K	62,39	2,984						132
	LN-CA	67,86	3,245						120
	LN-K	62,90	3,008						131
	SL-CA	66,44	3,177						123
	SL-K	63,24	3,024						130
0302P	CA	81,64	3,904	B2	DWC-V 300/1,1	2	3	1,100	99,9
	K	74,51	3,563						116
	LN-CA	79,36	3,795						105
	LN-K	71,67	3,427						122
	SL-CA	78,67	3,762						107
	SL-K	74,64	3,569						116
0352P	CA	92,73	4,435	C1	DWC-V 300/1,5	2	4	1,500	102
	K	84,98	4,064						123
	LN-CA	90,65	4,335						108
	LN-K	86,34	4,129						119
	SL-CA	90,71	4,338						108
	SL-K	84,96	4,063						123
0402P	CA	103,6	4,956	C2	DWC-V 300/1,5	2	4	1,500	116
	K	97,89	4,681						128
	LN-CA	103,1	4,932						117
	LN-K	95,43	4,564						133
	SL-K	96,00	4,591						132
0412P	SL-CA	101,8	4,867	D1	LNTE 50-125/22/2	2	5	2,200	112
0452P	CA	117,0	5,597	E1	DWC-V 300/1,5	2	4	1,500	98,2
	K	109,9	5,255						113
	LN-CA	115,8	5,538						101
	LN-K	108,3	5,181						116
	SL-K	108,9	5,207						115
0462P	SL-CA	113,9	5,447	F1	LNTE 50-125/22/2	2	5	2,200	107
0502P	CA	132,3	6,326	G1	DWC-V 500/1,5	2	4	1,500	75,3
	K	122,3	5,850						90,1
	LN-CA	128,8	6,160						80,5
	LN-K	120,2	5,749						93,1
	SL-K	119,4	5,708						94,3
0512P	SL-CA	127,7	6,106	H1	LNTE 50-125/22/2	2	5	2,200	102
0552P	K	138,5	6,623	I1	DWC-V 500/1,5	2	4	1,500	75,4
	LN-K	134,3	6,422						81,5
	SL-K	134,9	6,449						80,7



## HYDRONIC GROUP

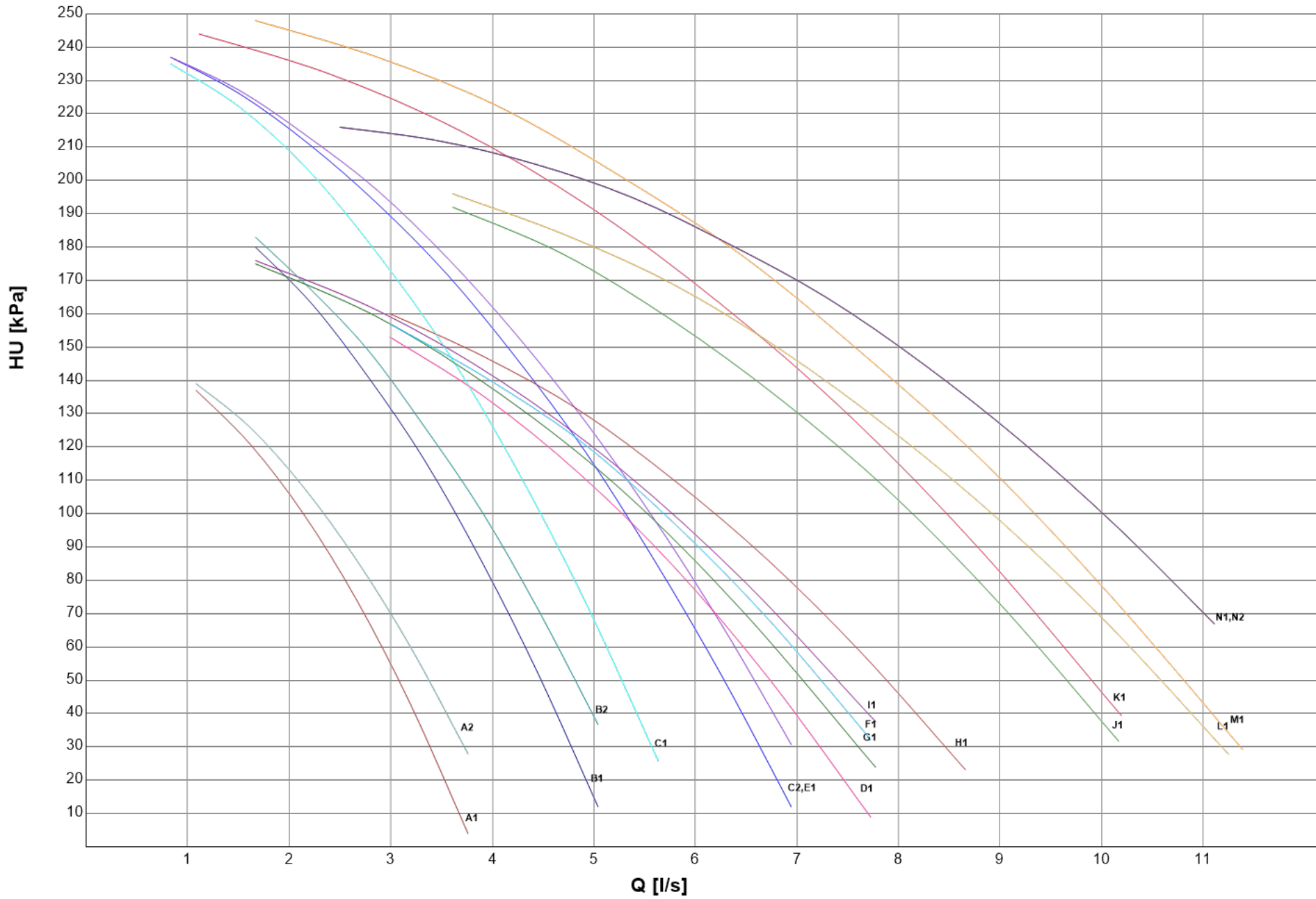
### HEAT EXCHANGER USER SIDE - HYDRONIC KIT 2 PUMPS 2 POLES LH

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0562P	CA	153,9	7,361	J1	LNTE 50-125/30/2	2	6	3,000	122
	LN-CA	147,8	7,067						129
	SL-CA	145,6	6,962						132
0602P	K	159,0	7,605	K1	DWC-V 500/2,2	2	5	2,200	127
	LN-K	156,3	7,473						131
	SL-K	146,9	7,023						143
0612P	CA	171,3	8,191	L1	LNTE 50-125/30/2	2	6	3,000	119
	LN-CA	165,8	7,931						125
	SL-CA	165,4	7,911						126
0702P	K	181,9	8,698	M1	DWC-V 500/3	2	6	3,000	119
	LN-K	172,2	8,237						133
0712P	CA	193,2	9,237	N1	LNTE 50-160/30/2	2	6	3,000	121
	LN-CA	190,4	9,106						124
	SL-CA	187,1	8,945						128
0812P	CA	218,0	10,43	N2	LNTE 50-160/30/2	2	6	3,000	88,3
	LN-CA	212,4	10,16						96,0
	SL-CA	208,9	9,989						101

(1) Values refer to nominal conditions  
 CH Cooling 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 - HYDRONIC KIT 2 PUMPS 2 POLES LH



**HYDRONIC GROUP**

**HEAT EXCHANGER USER SIDE - HYDRONIC KIT 2 PUMPS 2 POLES LH + TANK**

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0202P	CA	52,80	2,525	A1	DWC-V 300/1,1( R )	2	3	1,100	81,4
	K	49,84	2,383						88,5
	LN-CA	52,81	2,525						81,4
	LN-K	49,63	2,373						89,0
	SL-CA	53,11	2,540						80,6
	SL-K	50,18	2,400						87,7
0252P	CA	59,95	2,867	A2	DWC-V 300/1,1( R )	2	3	1,100	76,6
	K	56,52	2,703						84,3
	LN-CA	60,95	2,915						74,2
	LN-K	56,41	2,697						84,5
	SL-CA	59,72	2,856						77,1
	SL-K	56,53	2,703						84,2
0262P	CA	66,81	3,195	B1	DWC-V 300/1,1	2	3	1,100	122
	K	62,39	2,984						132
	LN-CA	67,86	3,245						120
	LN-K	62,90	3,008						131
	SL-CA	66,44	3,177						123
	SL-K	63,24	3,024						130
0302P	CA	81,64	3,904	B2	DWC-V 300/1,1	2	3	1,100	99,9
	K	74,51	3,563						116
	LN-CA	79,36	3,795						105
	LN-K	71,67	3,427						122
	SL-CA	78,67	3,762						107
	SL-K	74,64	3,569						116
0352P	CA	92,73	4,435	C1	DWC-V 300/1,5	2	4	1,500	102
	K	84,98	4,064						123
	LN-CA	90,65	4,335						108
	LN-K	86,34	4,129						119
	SL-CA	90,71	4,338						108
	SL-K	84,96	4,063						123
0402P	CA	103,6	4,956	C2	DWC-V 300/1,5	2	4	1,500	116
	K	97,89	4,681						128
	LN-CA	103,1	4,932						117
	LN-K	95,43	4,564						133
	SL-K	96,00	4,591						132
0412P	SL-CA	101,8	4,867	D1	LNTE 50-125/22/2	2	5	2,200	110
0452P	CA	117,0	5,597	E1	DWC-V 300/1,5	2	4	1,500	98,2
	K	109,9	5,255						113
	LN-CA	115,8	5,538						101
	LN-K	108,3	5,181						116
	SL-K	108,9	5,207						115
0462P	SL-CA	113,9	5,447	F1	LNTE 50-125/22/2	2	5	2,200	104
0502P	CA	132,3	6,326	G1	DWC-V 500/1,5	2	4	1,500	75,3
	K	122,3	5,850						90,1
	LN-CA	128,8	6,160						80,5
	LN-K	120,2	5,749						93,1
	SL-K	119,4	5,708						94,3
0512P	SL-CA	127,7	6,106	H1	LNTE 50-125/22/2	2	5	2,200	99,6
0552P	K	138,5	6,623	I1	DWC-V 500/1,5	2	4	1,500	75,4
	LN-K	134,3	6,422						81,5
	SL-K	134,9	6,449						80,7

## HYDRONIC GROUP

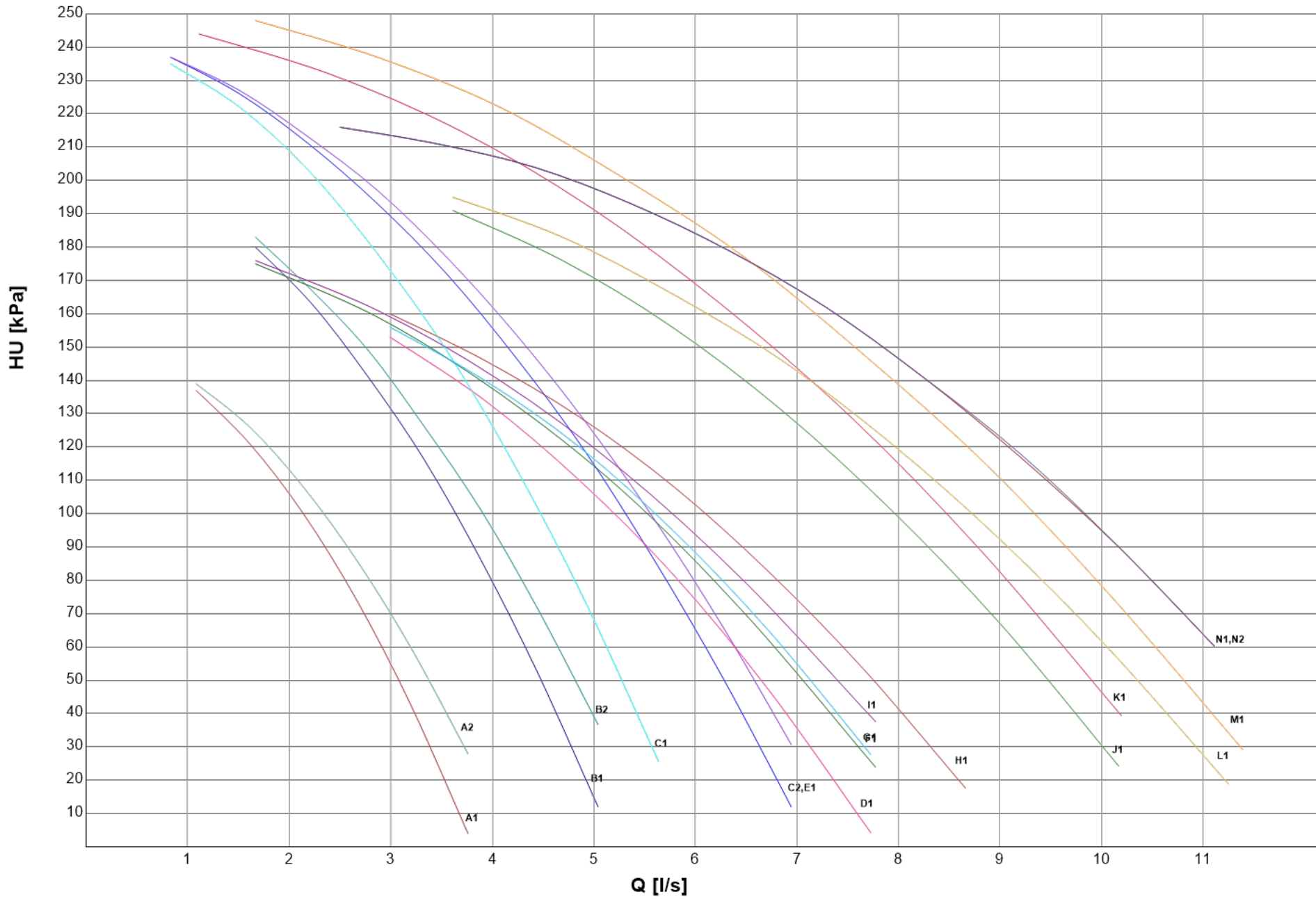
### HEAT EXCHANGER USER SIDE - HYDRONIC KIT 2 PUMPS 2 POLES LH + TANK

SIZE		CH		PUMP					CH
		Pfgross	Qfgross	Rif.	Model	N.	F.L.A.	F.L.I.	HU
		[kW] (1)	[l/s] (1)			Pole	[A]	[kW]	[kPa]
0562P	CA	153,9	7,361	J1	LNTE 50-125/30/2	2	6	3,000	118
	LN-CA	147,8	7,067						125
	SL-CA	145,6	6,962						128
0602P	K	159,0	7,605	K1	DWC-V 500/2,2	2	5	2,200	127
	LN-K	156,3	7,473						131
	SL-K	146,9	7,023						143
0612P	CA	171,3	8,191	L1	LNTE 50-125/30/2	2	6	3,000	114
	LN-CA	165,8	7,931						121
	SL-CA	165,4	7,911						121
0702P	K	181,9	8,698	M1	DWC-V 500/3	2	6	3,000	119
	LN-K	172,2	8,237						133
0712P	CA	193,2	9,237	N1	LNTE 50-160/30/2	2	6	3,000	116
	LN-CA	190,4	9,106						120
	SL-CA	187,1	8,945						124
0812P	CA	218,0	10,43	N2	LNTE 50-160/30/2	2	6	3,000	82,4
	LN-CA	212,4	10,16						90,6
	SL-CA	208,9	9,989						95,5

(1) Values refer to nominal conditions  
 CH Cooling 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 - HYDRONIC KIT 2 PUMPS 2 POLES LH + TANK





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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