

COMFORT

AIR SOURCE HEAT PUMPS

NX-N-GO2-U

AIR SOURCE HEAT
PUMPS FOR OUTDOOR
INSTALLATION,
FROM 41.2-226 kW

R410A



5 YEAR
EXTENDED PARTS
& COMPRESSOR
WARRANTY INCLUDED*



Heating and Cooling

Mitsubishi Electric
Sales Canada Inc.

4299 14th Avenue,
Markham Ontario, L3R 0J2

NX-N-G02-U

THE ECO-FRIENDLY SOLUTION FOR PERFECT COMFORT



Air Source Heat Pumps with Scroll Compressors. From 41.2 to 226 kW

NX-N-G02 Air Source Heat Pump range with scroll compressors are designed for delivering the best efficiencies in comfort applications.

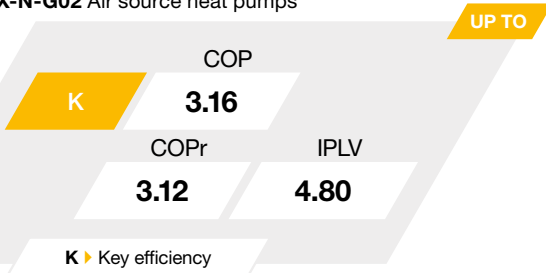
The new ranges are brilliantly engineered to integrate all the main hydronic and mechanic components inside the unit, providing installers the ideal plug & play solution for the HVAC plant.

COMFORT APPLICATIONS

- ✓ Hotels
- ✓ Museums
- ✓ Banks
- ✓ Shopping centers
- ✓ Schools and Education Centres.
- ✓ Institutions
- ✓ Office buildings
- ✓ Sport facilities
- ✓ Condominium & Apartment Buildings

PREMIUM EFFICIENCIES IN HEATING

NX-N-G02 Air source heat pumps

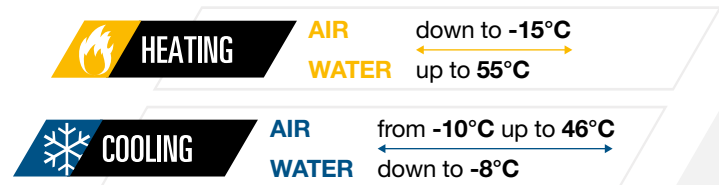


Average values of product range, Rated in accordance with AHRI 550/590 & 551/591

The performance in cooling mode surpasses the minimum efficiency requirement as set by ASHRAE 90.1.

This makes the unit the perfect solution for any project intended to meet stringent building energy efficiency certifications with the added benefit of providing Heat Pump heating to offset Greenhouse Gas Emissions.

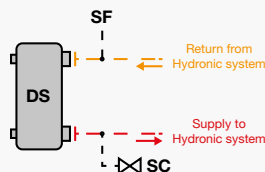
OPERATING RANGE



HEAT RECOVERY CONFIGURATIONS

- Standard unit Unit without heat recovery.

D Partial heat recovery



A desuperheater on the compressor discharge line recovers approximately 20% of the unit's capacity while operating in cooling mode.

Suitable for DHW production or pre-heat, such as the integration of an existing boiler for very hot water production (over 55°C)

60°C



INTEGRATED AUXILIARY HEAT SOURCE MANAGEMENT

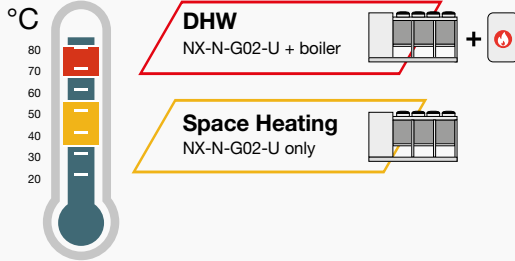
Auxiliary heat sources, such as conventional boilers, can be used to supplement or replace the Heat Pump capacity in order to meet the building heating load at lower outdoor temperatures.

NX-N-G02-U Minimizes the Work of the Auxiliary Source.

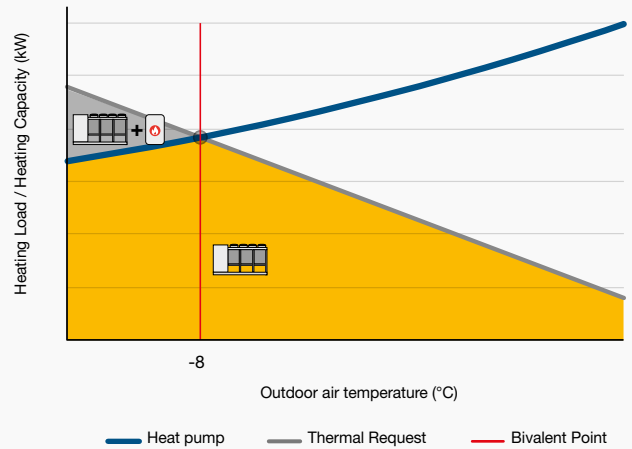
The Heat Pump produces hot water for space heating independently when the outside temperature allows the unit to meet the required system supply temperature, according to the Heat Pump operating envelope.

In very low outside temperature conditions and for domestic hot water production, the auxiliary heat source can work alongside the heat pump in order to meet the required thermal load.

Integrated controls can easily manage an auxiliary heat source for Integration with the Heat Pump or alternatively, heat source changeover based on a **Bivalence Temperature**.

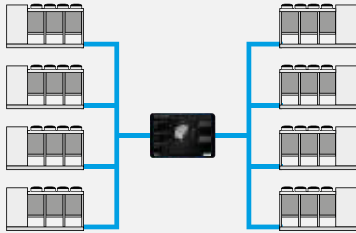


Heating Capacity vs Heating Load



MANAGER 3000+ SMART PLANT MANAGEMENT SYSTEM

Manager 3000+ is a plug-and-play plant room controller that can manage up to 8 NX-N units in a central plant and optimizes the overall performance of the system.



KIPLink THE KEYBOARD IN YOUR POCKET

Automatic control of the unit from your **mobile device** (smartphone, tablet, notebook) using the **MEHITS Mobile App** (iOS/Android) just by scanning the QR code label placed on the front of the unit.



NIGHT MODE



Thanks to the night mode function, the unit lowers its sound emissions (-3 dB(A) with factory settings) leveraging reduced usage of its resources to continue providing excellent comfort during low load periods.

AUTO-ADAPTIVE DEFROST



Smart proprietary auto adaptive algorithms manage the defrosting cycles in the smartest way.

- ▶ Reduction in defrosting time
- ▶ Minimum impact on leaving water temperature
- ▶ Reduction of energy required for defrosting
- ▶ Increase of COP

+10%
NET HEATING CAPACITY

compared to units with traditional defrost cycles.

ALL-IN-ONE SOLUTION FOR EASY INSTALLATION



NX-N-G02 are all-in-one solutions, ready to be installed. The available integrated hydronic modules includes the pumps, and the main hydronic components, allowing simplified installation and reduced commissioning time.

SILENT OPERATION AND NO COMPROMISES IN EFFICIENCY



The NX-N-G02 range has been designed for perfect environmental well-being. Thanks to a specific design optimized for the Canadian Climate, NX-N-G02 range achieves a lower sound level without sacrificing efficiency or performance.

TECHNOLOGICAL CHOICES

W3000+ CONTROL

Management software designed and perfected fully in-house

- ▶ Proprietary settings for faster adaptive responses to different hydronic system dynamics
- ▶ Enhanced diagnostics thanks to the black box function and KIPLink
- ▶ Connectivity with the most commonly used BMS protocols and M-Net Mitsubishi Electric proprietary protocol (Opt.)

Compact Keyboard



- ▶ Large LCD display and functional keys
- ▶ Quick and easy parameter consultation and adjustment by means of a multi-level menu
- ▶ KIPLink, the innovative Wi-Fi interface, is available as an option.

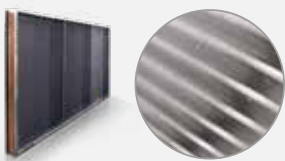
Highly Resistant Finned Coils

Copper and Aluminum Tube & Fin Coils

- ▶ Ideally designed to optimize airflow and heat transfer
- ▶ Protective coating available for harsh industrial and marine environments (Opt.)

TUBE & FIN COILS

Cu/Al - Regular (std for NX-N-G02-U)



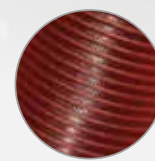
- ▶ Fins treated with protective polyester resin paint.
- ▶ 1000 h of salt spray protection as per ASTM B117.
- ▶ Excellent resistance to UV rays.

Cu/Al - Pre-painted fins

Cu/Al - Fin Guard Silver SB

- ▶ Polyurethane paint with metallic emulsion.
- ▶ 3000 h of salt spray protection as per ASTM B117.
- ▶ Excellent resistance to UV rays.

Cu/Cu - Tube & fin coil



SET POINT COMPENSATION

Dynamic control of the water supply temperature depending on the outdoor air temperature greatly increases the comfort and energy efficiency of the system.

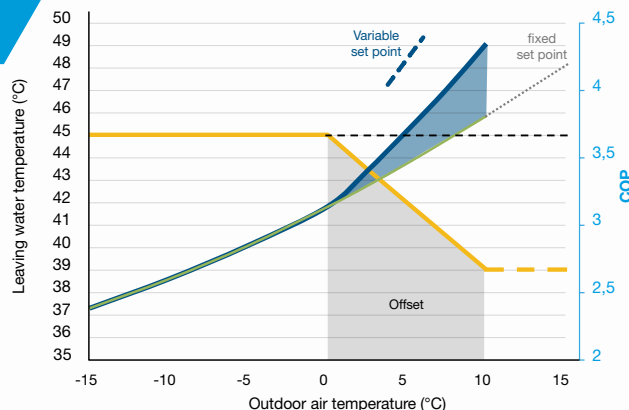
Set Point Compensation works in both heating and cooling mode for increased energy savings year-round.

NX-N-G02-U 352P

**+14%
COP**

98,6kW
Reversible unit, air source for outdoor installation

HEATING



NX-N-G02-U Range: The Ideal Solution For Forward-Looking Heating and Cooling Systems

FANS

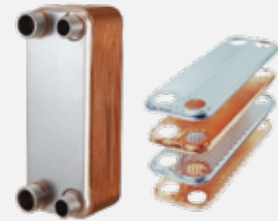
High performing-axial fans:

- ▶ Different sizes and speeds to perfectly fit the requirements of each unit model
- ▶ Speed control (DVV) based on refrigerant pressure.

PLATE HEAT EXCHANGERS

Compact and robust, made of AISI 316 steel plates, copper-brazed.

- ▶ Low pressure drops
- ▶ Fully protected against ice formation
- ▶ Closed-cell neoprene external lining



SCROLL COMPRESSORS

- ▶ **Tandem configuration** with a single refrigerant circuit for **increased efficiency at part-load conditions**



HYDRONIC MODULE

The **fully integrated hydronic module** (opt.) includes the pumps, and all the main hydronic components, for the best **optimization of the installation space, time and costs.**

Pumps

- ▶ Vertical In-line configuration
- ▶ 2-pole motor
- ▶ Single or twin pumps
- ▶ Low or high head (approx. 100 or 200 kPa).



Terminals

- ▶ On/off control
- ▶ 1 or 2 external pumps
- ▶ 0-10V Variable Speed Pump Output

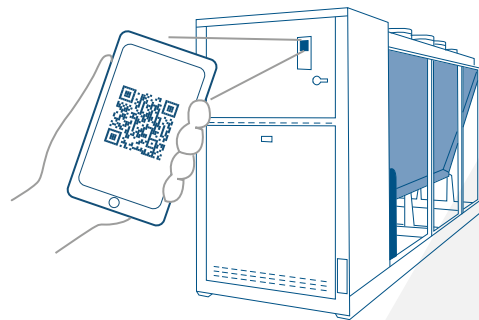
ACCESSORIES AND FURTHER OPTIONS

KIPLink user interface



An exclusive product of Mitsubishi Electric Hydronics & IT Cooling Systems.

Based on Wi-Fi technology, KIPLink is an option that allows one to operate on the unit directly from a mobile device (smartphone, tablet, or notebook) by simply scanning the QR code positioned on the unit.



MAIN FEATURES



Easier on-site operation

Monitor each component while moving around the unit for maintenance operations. View and change all parameters with easy-to-understand screenshots and dedicated tool tips. Get devoted “help” messages / for alarm reset and troubleshooting.



Real-time graphs and trends

Monitor the immediate labor status of the compressors, heat exchangers, cooling circuits, and pumps. View the real-time graphs of the key operating variable trends.



Data logger function

View history of events and use the filter for a simple search. Enhance diagnostics with data and graphs of 10 minutes before and after each alarm. Download all the data for detailed analysis.

FURTHER OPTIONS

A wide variety of additional mechanical and electrical options and accessories are available. Contact Mitsubishi Electric with your specific project requirements

Set-point adjustment

4-20 mA: Enables remote set-point adjustments (analog input).

Double set-point: Enables the remote switch between 2 set-points (digital input).

Set-point compensation in Heating and Cooling Modes: Automatic adjustment of the set-point on the basis of the outdoor temperature.

Control functions

Night mode: Limits the unit sound level reducing the usage of the resources. Sound power reduction (with factory settings): -3 dB(A).

U.L.C. User Limit Control: Controls a mixing valve (not included) to ensure a safe start-up and operation of the unit even in critical conditions.

Remote probe: Controls both the unit and pump activation based on the water temperature of the buffer tank or hydronic separator/decoupler.

Demand limit: Limits the unit's power absorption for safety reasons or in temporary situations (digital input).

Electrical

Compressor Power Factor Correction: The capacitors on the compressors' line increase the unit's power factor.

Soft-starter: Manages the inrush current enabling lower motor windings' mechanical wear, avoids voltage fluctuations in the main power feeds during startup and provides favorable sizing of the electrical system.

Connectivity

Serial card interface module to allow integration with BMS protocols:

Modbus / LonWorks / BACnet MS/TP / BACnet over IP / Konnex / Modbus TCP/IP/ SNMP

M-Net interface kit: Interface module to allow the integration of the unit with Mitsubishi Electric proprietary communication protocol M-Net.

EXTENDED WARRANTY AND TRAINING PROGRAM

5 YEAR
**EXTENDED PARTS
& COMPRESSOR**
WARRANTY INCLUDED*

PROTECT YOUR HEAT PUMP FROM ANY RISK

The NX-N-G02-U units come with a standard warranty of one year for parts and compressors from the date of commissioning.

If the product is installed, commissioned, and maintained in accordance with the maintenance schedule by an Authorized Contractor, the standard warranty is extended to 5 years from the date of commissioning*.

In order to become an Authorized Contractor, Contractors must successfully complete Mitsubishi Electric Sales Canada's complementary courses to get the knowledge and training to offer extended warranty protection and peace of mind.

For owners or contractors that do not have in-house service resources to maintain the equipment, Mitsubishi Electric Sales Canada has an extensive network of service providers to for all your project needs, who can provide you continued support throughout the extended warranty.

Contact your local sales representative for further details and training course dates.

Conditions Apply: For details see the warranty terms at www.Climaveneta.ca

* Maintenance plan provided by an authorized service contractor is required to validate the warranty.



Energy Meter

Energy meter for BMS: Acquires electrical data and the power absorbed by the unit and sends them the BMS for energy metering (Modbus RS485).

Energy meter for W3000: The electrical data acquired is available directly on the unit's control.

Refrigerant circuit

Compressor suction and discharge valves: Installed for each compressor tandem or trio, the valves simplify maintenance activities. The user can work on the isolated valve for periodic maintenance or replacement, without removing the refrigerant from the circuit.

Dual pressure relief valves with switch: One valve is isolated from the refrigerant circuit while the other is in service. The user can work on the isolated valve for periodic maintenance or replacement, without removing the refrigerant from the circuit.

Structure

Anti-intrusion grilles: Perimeter metal grilles to protect against the intrusion of solid bodies into the unit structure.

Spring or rubber type anti-vibration mountings: Reduce vibrations, keeping noise transmission to a minimum.

Packing

Standard or nylon packing: The unit is provided with plastic supports, with or without a protective nylon layer.

Container slides or packing: The unit is provided with metal slides to load it in a container, with or without a protective nylon layer.

Wooden cage packing: The unit is provided with a robust wooden cage, with or without a protective nylon layer.

**NX-N-G02-U**

Heat pump with 2 compressors, air source for outdoor installation, from 41 to 226 kW.



NX-N-G02-U			0152P	0182P	0202P	0252P	0262P	0302P	0402P
Power supply		V/ph/Hz	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60
PERFORMANCE									
COOLING									
Cooling Capacity	(1)(2)(10)	kW	41.15	45.47	53.54	61.28	68.39	76.78	91.69
Total Power Input	(1)(2)(10)	kW	14.28	15.75	18.27	20.95	23.78	26.77	30.52
COPr	(1)(2)(10)	kW/kW	2.881	2.880	2.923	2.919	2.874	2.866	3.007
IPLV.SI REFERENCE	(1)(2)(10)	kW/kW	4.740	4.700	4.680	4.690	4.740	4.800	4.700
Rc (ASHRAE)		kg/kW	0.35	0.32	0.28	0.25	0.23	0.35	0.40
HEATING ONLY									
Total Heating Capacity	(3)	kW	48.84	53.71	60.78	70.76	76.77	89.76	106.1
Total Power Input	(3)	kW	16.59	17.37	20.22	23.74	25.43	29.14	34.78
COP	(3)	kW/kW	2.940	3.086	3.010	2.987	3.024	3.086	3.049
EXCHANGERS									
HEAT EXCHANGER (PLANT) IN COOLING MODE									
Water Flow	(1)(2)	l/s	1.789	1.977	2.328	2.664	2.973	3.338	3.986
Heat Exchanger Pressure Drop	(1)(2)	kPa	33.0	33.0	35.0	29.9	29.3	37.0	24.7
HEAT EXCHANGER (PLANT) IN HEATING MODE									
Water Flow	(3)	l/s	2.108	2.318	2.623	3.054	3.313	3.873	4.580
Heat Exchanger Pressure Drop	(3)	kPa	45.8	45.4	44.4	39.3	36.4	49.8	32.6
REFRIGERANT CIRCUIT									
No. Compressors		N°	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1
Refrigerant Charge		kg	14.5	14.5	15.0	15.0	15.5	27.0	36.2
SOUND LEVEL									
Sound Pressure	(4)	dB(A)	49	49	49	50	50	50	50
Sound Power Level in Cooling	(5)(7)	dB(A)	81	81	81	82	82	82	82
Sound Power Level in Heating	(6)(8)	dB(A)	81	81	81	82	82	82	82
SIZE AND WEIGHT									
A	(9)	mm	2395	2395	2395	2395	2395	3360	3980
B	(9)	mm	1195	1195	1195	1195	1195	1195	1195
H	(9)	mm	1865	1865	1865	1865	1865	1980	1980
Operating Weight	(9)	kg	670	680	710	730	770	960	1130

Notes:

- 1 Rated In Accordance With AHRI Standard 550/590 (I-P) and 551/591 (S-I)
- 2 Plant cooling exchanger water (out) 6.7°C, with water flow 0.043 l/s per kW; Source heat exchanger air (in) 35°C.
- 3 Plant Heating Mode Water (In/Out) 43.3°C/48.9°C; Source Heat Exchanger Ambient Air (In) 8.3°C - 87% R.H.
- 4 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.

5 Sound power ratings on the basis of measurements made in compliance with ISO 3744.

6 Sound Power in Compliance with ISO 9614.

7 Sound Power Level in Cooling, Outdoors.

8 Sound Power Level in Heating, Outdoors.

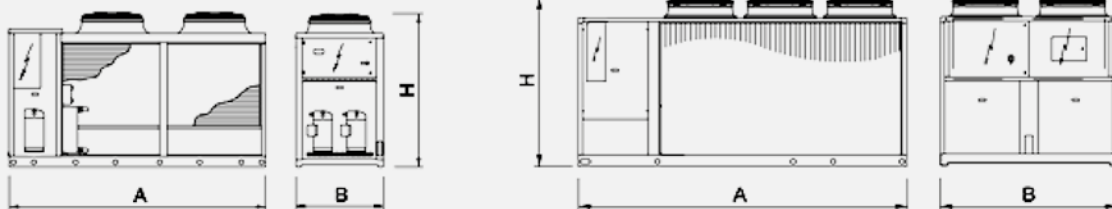
9 Standard Unit Configuration, Without Optional Accessories.

10 Performance rated to Altitude: 0 ft above sea level according to [REGULATION (EU) N. 811/2013]

The units highlighted in this publication contain R410A [GWP₁₀₀ 2088] fluorinated greenhouse gases.



NX-N-G02-U			0452P	0502P	0562P	0612P	0662P	0712P	0812P
Power supply		V/ph/Hz	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60
PERFORMANCE									
COOLING									
Cooling Capacity	(1)(2)(10)	kW	105.8	119.3	135.0	154.0	180.2	205.6	225.6
Total Power Input	(1)(2)(10)	kW	36.01	41.63	46.58	50.95	59.88	66.05	76.38
COPr	(1)(2)(10)	kW/kW	2.939	2.868	2.897	3.026	3.008	3.115	2.953
IPLV.SI REFERENCE	(1)(2)(10)	kW/kW	4.740	4.710	4.690	4.690	4.680	4.700	4.700
Rc (ASHRAE)		kg/kW	0.35	0.32	0.31	0.35	0.30	0.44	0.40
HEATING ONLY									
Total Heating Capacity	(3)	kW	119.6	133.6	152.2	169.1	191.6	222.1	247.6
Total Power Input	(3)	kW	38.24	42.34	49.34	54.71	63.93	73.24	82.12
COP	(3)	kW/kW	3.131	3.158	3.087	3.091	2.998	3.034	3.016
EXCHANGERS									
HEAT EXCHANGER (PLANT) IN COOLING MODE									
Water Flow	(1)(2)	l/s	4.599	5.186	5.867	6.697	7.835	8.939	9.808
Heat Exchanger Pressure Drop	(1)(2)	kPa	27.7	27.4	39.2	31.5	43.1	47.2	48.4
HEAT EXCHANGER (PLANT) IN HEATING MODE									
Water Flow	(3)	l/s	5.163	5.764	6.570	7.296	8.269	9.587	10.69
Heat Exchanger Pressure Drop	(3)	kPa	34.9	33.8	49.2	37.4	48.0	54.3	57.4
REFRIGERANT CIRCUIT									
No. Compressors		N°	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1
Refrigerant Charge		kg	37.0	38.0	42.0	53.9	54.1	89.5	91.0
SOUND LEVEL									
Sound Pressure	(4)	dB(A)	53	54	56	57	57	57	58
Sound Power Level in Cooling	(5)(7)	dB(A)	85	86	88	89	89	89	90
Sound Power Level in Heating	(6)(8)	dB(A)	85	86	88	89	89	89	90
SIZE AND WEIGHT									
A	(9)	mm	3980	3980	4110	4110	4110	5110	5110
B	(9)	mm	1195	1195	2220	2220	2220	2220	2220
H	(9)	mm	1980	1980	2150	2150	2150	2150	2150
Operating Weight	(9)	kg	1220	1310	1900	2080	2090	2500	2530



**NX-N-G02-U**

Heat pump with 2 compressors, air source for outdoor installation, from 11 RT to 64 RT



NX-N-G02-U			0152P	0182P	0202P	0252P	0262P	0302P	0402P
Power supply	V/ph/Hz		575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60
PERFORMANCE									
COOLING									
Cooling Capacity	(1)(2)(10)	RT	11.70	12.93	15.22	17.43	19.45	21.83	26.07
Total Power Input	(1)(2)(10)	kW	14.28	15.75	18.27	20.95	23.78	26.77	30.52
COP ^r	(1)(2)(10)	Btu/hW	9.83	9.82	9.97	9.96	9.80	9.77	10.26
IPLV/SI REFERENCE	(1)(2)(10)	Btu/hW	16.17	16.04	15.97	16.00	16.17	16.38	16.04
Rc (ASHRAE)		lbs/RT	2.74	2.48	2.17	1.90	1.76	2.73	3.06
HEATING ONLY									
Total Heating Capacity	(3)	kBtu/h	166.7	183.2	207.4	241.5	261.9	306.3	362.2
Total Power Input	(3)	kW	16.59	17.37	20.22	23.74	25.43	29.14	34.78
COP	(3)	Btu/hW	10.03	10.53	10.27	10.19	10.32	10.53	10.40
EXCHANGERS									
HEAT EXCHANGER (PLANT) IN COOLING MODE									
Water Flow	(1)(2)	GPM	28.36	31.33	36.89	42.23	47.13	52.91	63.18
Heat Exchanger Pressure Drop	(1)(2)	ft H ₂ O	11.0	11.0	11.7	10.0	9.81	12.4	8.27
HEAT EXCHANGER (PLANT) IN HEATING MODE									
Water Flow	(3)	GPM	33.41	36.73	41.57	48.40	52.51	61.39	72.60
Heat Exchanger Pressure Drop	(3)	ft H ₂ O	15.3	15.2	14.9	13.1	12.2	16.7	10.9
REFRIGERANT CIRCUIT									
No. Compressors		N°	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1
Refrigerant Charge		lb	32.0	32.0	33.1	33.1	34.2	59.5	79.8
SOUND LEVEL									
Sound Pressure	(4)	dB(A)	49	49	49	50	50	50	50
Sound Power Level in Cooling	(5)(7)	dB(A)	81	81	81	82	82	82	82
Sound Power Level in Heating	(6)(8)	dB(A)	81	81	81	82	82	82	82
SIZE AND WEIGHT									
A	(9)	in	94.3	94.3	94.3	94.3	94.3	132.3	156.7
B	(9)	in	47.0	47.0	47.0	47.0	47.0	47.0	47.0
H	(9)	in	73.4	73.4	73.4	73.4	73.4	78.0	78.0
Operating Weight	(9)	lb	1,477	1,499	1,565	1,609	1,698	2,116	2,491

Notes:

- 1 Rated In Accordance With AHRI Standard 550/590 (I-P) and 551/591 (S-I)
- 2 Plant cooling exchanger water (out) 6.7°C, with water flow 0.043 l/s per kW; Source heat exchanger air (in) 35°C.
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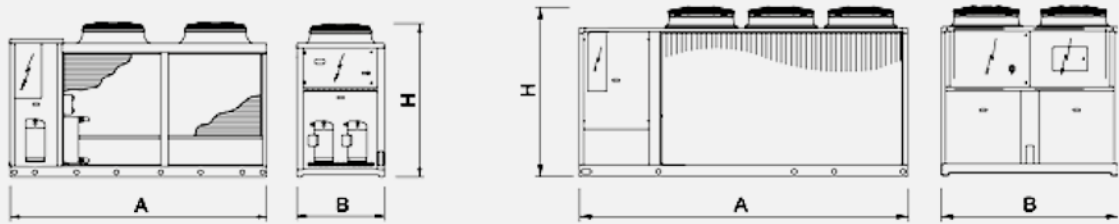
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Power supply	V/ph/Hz		575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60
PERFORMANCE									
COOLING									
Cooling Capacity	(1)(2)(10)	RT	30.08	33.92	38.38	43.80	51.25	58.47	64.15
Total Power Input	(1)(2)(10)	kW	36.01	41.63	46.58	50.95	59.88	66.05	76.38
COPr	(1)(2)(10)	Btu/hW	10.03	9.78	9.88	10.32	10.26	10.63	10.08
IPLV.SI REFERENCE	(1)(2)(10)	Btu/hW	16.17	16.07	16.00	16.00	15.97	16.04	16.04
Rc (ASHRAE)		lbs/RT	2.71	2.47	2.41	2.72	2.33	3.38	3.13
HEATING ONLY									
Total Heating Capacity	(3)	kBtu/h	408.2	455.7	519.5	576.9	653.8	758.0	845.0
Total Power Input	(3)	kW	38.24	42.34	49.34	54.71	63.93	73.24	82.12
COP	(3)	Btu/hW	10.68	10.78	10.53	10.55	10.23	10.35	10.29
EXCHANGERS									
HEAT EXCHANGER (PLANT) IN COOLING MODE									
Water Flow	(1)(2)	GPM	72.90	82.21	93.00	106.1	124.2	141.7	155.5
Heat Exchanger Pressure Drop	(1)(2)	ft H ₂ O	9.26	9.17	13.1	10.5	14.4	15.8	16.2
HEAT EXCHANGER (PLANT) IN HEATING MODE									
Water Flow	(3)	GPM	81.83	91.36	104.1	115.6	131.1	152.0	169.4
Heat Exchanger Pressure Drop	(3)	ft H ₂ O	11.7	11.3	16.5	12.5	16.1	18.2	19.2
REFRIGERANT CIRCUIT									
No. Compressors	N°		2	2	2	2	2	2	2
No. Circuits	N°		1	1	1	1	1	1	1
Refrigerant Charge	lb		81.6	83.8	92.6	119	119	197	201
SOUND LEVEL									
Sound Pressure	(4)	dB(A)	53	54	56	57	57	57	58
Sound Power Level in Cooling	(5)(7)	dB(A)	85	86	88	89	89	89	90
Sound Power Level in Heating	(6)(8)	dB(A)	85	86	88	89	89	89	90
SIZE AND WEIGHT									
A	(9)	in	156.7	156.7	161.8	161.8	161.8	201.2	201.2
B	(9)	in	47.0	47.0	87.4	87.4	87.4	87.4	87.4
H	(9)	in	78.0	78.0	84.6	84.6	84.6	84.6	84.6
Operating Weight	(9)	lb	2,690	2,888	4,189	4,586	4,608	5,512	5,578



“BY FAR THE BEST PROOF IS EXPERIENCE”

Sir Francis Bacon
British Philosopher (1561 - 1626)

DANONE

Ile de France - France

Period: 2017

Application: Offices

Plant type: Hydronic System

Heating capacity: 450 kW

Installed machines:

2x high temperature heat pumps



GARDESCHÜTZEN OFFICE BUILDING

Berlin - Germany

Application: Offices

Plant type: Hydronic System

Cooling capacity: 28 kW

Installed machines:

1x medium temperature heat pump



PANORAMA HOTEL

Prague - Czech Republic

Period: 2017

Application: Hotel and resorts

Plant type: Hydronic System

Cooling capacity: 1669 kW

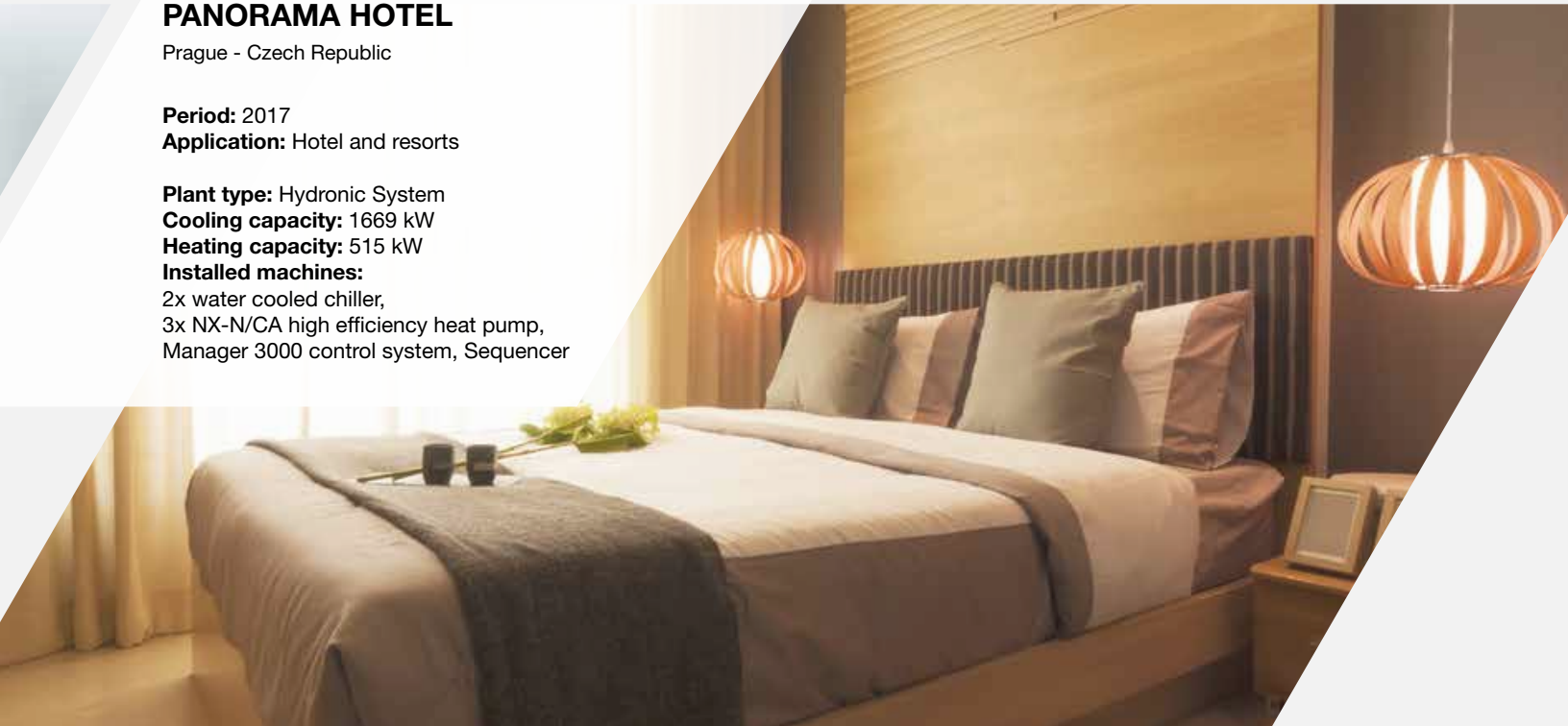
Heating capacity: 515 kW

Installed machines:

2x water cooled chiller,

3x NX-N/CA high efficiency heat pump,

Manager 3000 control system, Sequencer



PHAROS

Hoofddorp - Netherlands

Period: 2020

Application: Offices

Plant type: Hydronic System

Cooling capacity: 1516 kW

Heating capacity: 554 kW

Installed machines:

2x high efficiency chiller with green refrigerant

1x high efficiency heat pump



MORE THAN 1000 PROJECTS ALL OVER THE WORLD

HEINEKEN THE BLADE

Den Bosch - Netherlands

Period: 2019 - 2020

Application: Industrial Process - Offices

Plant type: Hydronic System

Cooling capacity: 223 kW

Heating capacity: 182 kW

Installed machines:

2x scroll compressor heat pumps,
1x scroll compressor chiller



GROEVENBEEK SCHOOL

Ermelo - Netherlands

Period: 2019

Application: Sport structures - School / University

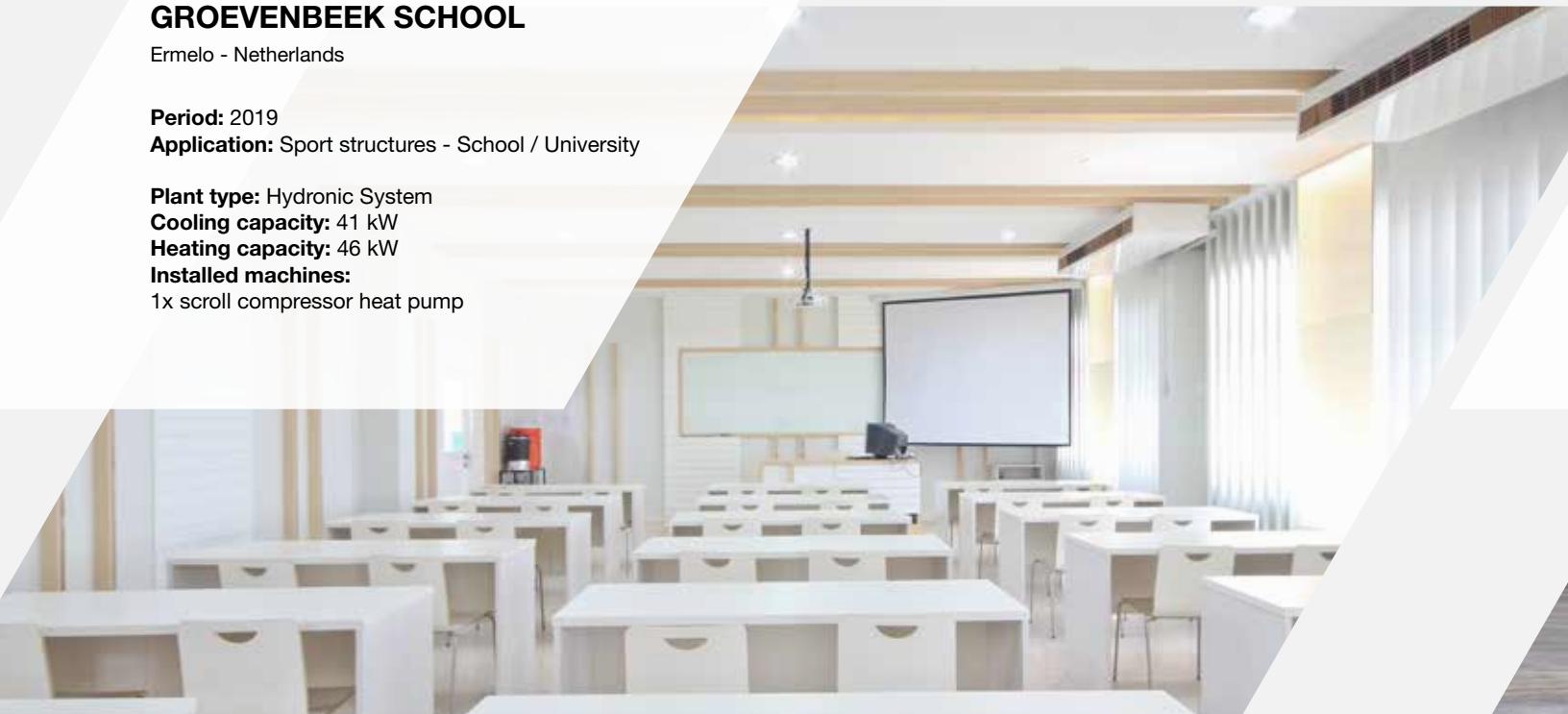
Plant type: Hydronic System

Cooling capacity: 41 kW

Heating capacity: 46 kW

Installed machines:

1x scroll compressor heat pump



Every project is characterised by different needs and system specifications for various climates. All these projects share high energy efficiency, maximum integration, and total reliability resulting from the Climaveneta brand experience.

AXE SEINE

Paris - France

Period: 2010

Application: Office building

Plant type: Hydronic System

Cooling capacity: 1861 kW

Installed machines:

4x low temperature heat pumps,

1x scroll compressor heat pump



US AIR BASE

Ramstein - Germany

Period: 2019

Application: Sport structures - School / University

Plant type: Hydronic System

Cooling capacity: 41 kW

Heating capacity: 46 kW

Installed machines:

1x scroll compressor heat pump





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