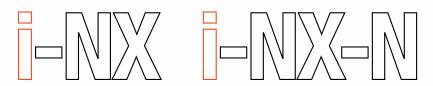
MITSUBISHI ELECTRIC HYDRONICS & IT COOLING SYSTEMS S.p.A.







PERFECT COMFORT AND MAXIMUM EFFICIENCY



Air source chillers and heat pumps, with variable speed scroll compressors

From 41 to 129 kW

i-NX and i-NX-N combine fixed speed and variable speed scroll compressors in a single refrigerant circuit, thus delivering brilliant energy efficiency and precise temperature control in any load condition.

The range includes cooling only chillers and reversible heat pumps and, thanks to a wide range of versions and options, allows custom-made application design for individual projects.



THE CHILLER FOR EVERY NEED

In comfort applications, the air conditioning systems works at part load for most the time, while only for a limited number of hours at full load.

The inverter technology brings uncompromised part load efficiency and makes i-NX and i-NX-N the ideal solutions for the residential and light commercial segment.

COMFORT APPLICATIONS

- Shopping centers
- Offices
- Hotels and resorts
- Health facilities
- Banks
- Infrastructure for entertainment
- Museums and theatres

QUICK & EASY INSTALLATION

The integrated hydronic modules and the advanced water flow controls allows time-saving installation and commissioning.

HIGH DEGREE OF CONFIGURABILITY



Always the right solution for every project thanks to many specifically developed versions and bespoke options.

EXTENDED OPERATING RANGE

The units are designed to operate all-year-round, delivering consistent cooling or heating to the system.

Devoted accessories extend the operating limits to grant continuous operation even in extreme climate conditions.



ACOUSTIC VERSIONS

__ s

Standard

Unit with standard soundproofing equipment.

Unit with Kit Low Noise (Opt. 2671)

Baseline -2 dB(A) -7 dB(A)

SL Super low noise

Special acoustic insulation of the compressor enclosure and the pumps (if present), devoted fan speed reduction and increased heat exchange surface.

No compromises on efficiency!

HEAT RECOVERY CONFIGURATIONS



Standard unit

Unit without heat recovery.



Partial heat recovery

A desuperheater on the compressor discharge line recovers approximately 20% of the unit's capacity.

60°C

Suitable for DHW production or other secondary uses, such as the integration of an existing boiler.

Highest operating reliability, unbeatable energy efficiency, fast-and-easy installation: these are the distinguishing features of i-NX and i-NX-N.



INVERTER LEADING INVERTER TECHNOLOGY

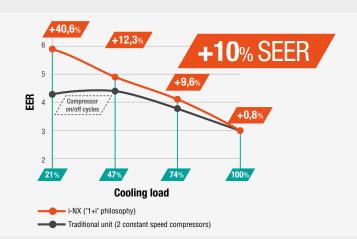
UNBEATABLE EFFICIENCY

Designed to reach outstanding seasonal efficiency, i-NX and i-NX-N really make the difference at part loads.

This is due to the innovative "1+i" philosophy, that combines a constant speed and a variable speed compressor in the same refrigerant circuit:

- The inverter compressor allows an efficient capacity regulation, avoiding on/off cycles.
- ▶ The single-circuit configuration always makes the most of the available heat exchange surface.

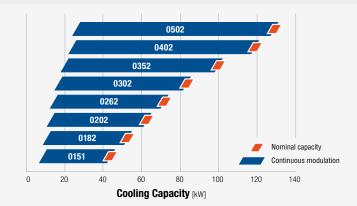
The graph shows the unit's efficiency with the variation of the cooling load and air temperature (EN14825 - SEER operating conditions).



CONTINUOUS CAPACITY MODULATION

The inverter technology allows continuous, stepless modulation of the delivered capacity.

The units can easily adapt to any part load, without performing inefficient on/off cycles.

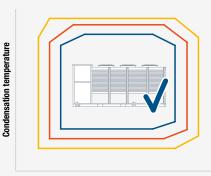


EVERYTHING UNDER CONTROL

The use of a fixed speed and a variable speed compressor in the same circuit brings great advantages in terms of efficiency, but also increased complexity in the refrigerant circuit control.

Thanks to the advanced proprietary logics, several parameters are constantly monitored (temperatures, pressures, oil levels), ensuring that the hybrid tandem of compressors is always kept safe, in all conditions.

The result is the total unit reliability.



Evaporation temperature





ErP 2021 COMPLIANT

Compliant with ASHRAE 90.1-2013, the new range helps you meet LEED requirements, which adds value to your buildings.

All the models of i-NX and i-NX-N are Eurovent certified.

The new family exceeds the strictest Ecodesign Directive tier, placing it on the top level of the market.



TECHNOLOGICAL CHOICES

W3000+ CONTROL

Fully in-house developed management software.

- Proprietary settings for faster adaptive responses to different dynamics
- Devoted User Limit Control function to ensure complete reliability in extreme conditions
- Precise temperature control with continuous capacity modulation
- Enhanced diagnostics thanks to the black box function
- 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, in addition or in substitution to the Compact keyboard

Refrigerant circuit

- ▶ Single circuit to guarantee the best energy efficiency at part loads
- Electronic expansion valve for enhanced performance and better dynamic response

Structure

Base and frame made of hot-galvanized steel, all parts polyester-powder painted.

- ▶ Maximum accessibility to all internal components
- ▶ High resistance to atmospheric agents
- ► Easy handling, lifting, and transport thanks to the standard eyebolts

Brazed plate heat exchanger

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

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





Maximum quality of every single component, attention to detail, and advanced application of inverter technology: i-NX and i-NX-N are the ideal solutions for forward-looking cooling systems.

Fans

High efficiency axial electric fans with devoted devices for speed modulation (DVV).

- Precise airflow management, reduced energy consumption, and lower sound level at partial loads
- ▶ Condensation control for an extended operating range

UP TO + 8% MORE SEASONAL EFFICIENCY



EC fans (opt.)

- ▶ Continuous regulation of the air flow
- Reduced power consumption and increased efficiencies at partial loads
- Very low ambient temperature operation

Highly resistent finned coils

New generation full aluminum micro-channel coils for cooling only chillers.

- Long Life Alloy (LLA) for higher corrosion resistance and longer life cycle
- Up to 30% of refrigerant charge reduction vs. traditional solutions

Copper and aluminum tube & fins coils for reversible heat pumps

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

Built-in pump group (Opt.)



Factory-mounted pumps and pre-plumbed hydraulic components, for minimum on-site installation time, work, and cost.

- Single or twin in-line pumps available, high or low head, fixed or variable speed
- ▶ Integrated buffer tank availability
- Electronic primary flow controls for constant pressure or constant temperature



EXCLUSIVE "1+i" PHILOSOPHY

The unit combines a constant speed and a variable speed hermetic scroll compressor in the same refrigerant circuit (the size 0151 has one variable speed compressor only).

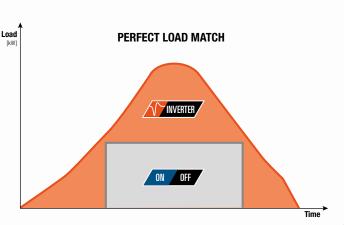
The hybrid core "1+i" takes full advantage of both technologies, ensuring high performance and accurate regulation in any load condition, especially at part loads

Proprietary oil management logics grant safe and stable operation of the compressor tandem in any working conditions.

- ▶ Unbeatable seasonal efficiency
- ▶ Continuous and accurate capacity modulation
- ▶ Stable leaving water temperature

The inverter compressor is always the first to start up and the last to turn off.







ACCESSORIES AND FURTHER OPTIONS

HYDRONIC MODULES AND FLOW CONTROLS

The units can be equipped with a factory-mounted complete pump group, which **optimizes hydraulic and electrical installation** space, time and costs, or simply with terminals to control the external pumps with the unit control logic.

Pump group

Single or twin in-line pumps available, high or low head (approximately 100kPa or 200kPa), with fixed or variable speed. A pump group with a buffer tank is also provided in case the minimum system volume is not guaranteed.

Fixed speed pumps

1 pump 2-poles, low head 1 pump 2-poles, high head

2 pumps 2-poles, low head

2 pumps 2-poles, high head

Variable speed pumps

1 pump 2-poles, low head

1 pump 2-poles, high head

2 pumps 2-poles, low head

2 pumps 2-poles, high head



Connections for external pump groups

Dedicated terminals available for the management of 1 or 2 external pumps at fixed or variable speed.

ON / OFF Signal

1 pump / 2 pumps

Modulating signal

1 pump / 2 pumps



VPF CONTROL LOGICS

The logic of the VPF (Variable Primary Flow) series regulates the speed of the pumps following the thermal load and at the same time positively influencing the unit's thermoregulation algorithm, optimizing it for variable flow operation.

In this way maximum energy savings, stability of operation, and reliability are always guaranteed.

VPF: constant ΔP on the plant side

For systems composed of the primary circuit only

VPF.E: constant ΔT on the plant side

For systems composed of the primary circuit only

VPF.D: constant ΔT on the plant side

For systems composed of primary and secondary circuits separated by hydraulic circuit breaker

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.

- ▶ User-friendly navigation menu
- ▶ Easier on-site operation
- ▶ Real-time graphs and trends
- ▶ Enhanced data logger function



COILS AND COATINGS

MICROCHANNEL

Al - Regular (std for i-NX)



Al - E-coating





E-coating process









treatment

TUBE & FINS

Cu/Al - Regular (std for i-NX-N)



Cu/Al - Pre-painted fins

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

Cu/Al - Fin Guard Silver SB

cleaning

- ▶ 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

FURTHER OPTIONS

4-20mA auxiliary signal Enables remote water set-point adjustments (analog input).

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

Water set point compensation for outdoor air temperature

An air temperature probe adjusts the water set-point according to summer and winter climatic curves.

Kit Low Noise

The compressor compartment is lined with a soundproofing material. Sound power reduction: -2 dB(A).

Night mode

Limits the unit sound level reducing the speed of compressor and fans. Sound power reduction (with factory settings): -3 dB(A).

Auxiliary source management (only for heat pumps)

Allows the use of an auxiliary heating source to integrate the heat pump capacity (e.g. solar collectors, gas boilers).

DHW valve management (only for heat pumps)

Controls an external 3-way valve for DHW production.

U.L.C. - User Limit Control

Guarantees start-up and operation in case of critical plant water temperature. Devoted control functions manage unit's protections and control a modulating mixing valve (not supplied).

Network analyzer for BMS

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





i-NX 0151P - 0502P

Air cooled chiller for outdoor installation 43,9-129 kW



i-NX			0151P	0182P	0202P	0262P	0302P	0352P	0402P	0502P
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	400/3/5
PERFORMANCE										
COOLING ONLY (GROSS VALUE)										
Cooling capacity	(1)	kW	43,9	52,9	63,1	72,1	83,8	101	120	129
Total power input	(1)	kW	15,7	18,8	21,4	25,0	29,2	35,2	41,9	46,8
EER	(1)	kW/kW	2,80	2,81	2,95	2,88	2,87	2,87	2,86	2,76
COOLING ONLY (EN14511 VALU	IE)									
Cooling capacity	(1)(2)	kW	43,6	52,6	62,7	71,7	83,4	100	119	129
EER	(1)(2)	kW/kW	2,73	2,75	2,88	2,82	2,82	2,82	2,80	2,72
Cooling energy class			С	С	С	С	С	С	С	С
ENERGY EFFICIENCY										
SEASONAL EFFICIENCY IN COO	LING (REG. EU	2016/2281)								
AMBIENT REFRIGERATION										
Prated,c	(10)	kW	43,6	52,6	62,7	71,7	83,4	100	119	129
SEER	(10)(11)		4,15	4,11	4,13	4,18	4,23	4,36	4,32	4,30
Performance ns	(10)(12)	%	163	161	162	164	166	171	170	169
EXCHANGERS										
HEAT EXCHANGER USER SIDE	IN REFRIGERATI	ON								
Water flow	(1)	I/s	2,10	2,53	3,02	3,45	4,01	4,82	5,73	6,18
Pressure drop	(1)	kPa	37,2	41,2	42,3	39,4	35,0	36,2	42,9	38,9
REFRIGERANT CIRCUIT										
Compressors nr.		N°	1	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1
Refrigerant charge		kg	7,00	7,20	8,90	9,40	9,50	12,5	12,9	13,5
NOISE LEVEL										
Sound Pressure	(5)	dB(A)	51	52	53	53	54	55	57	57
Sound power level in cooling	(6)(7)	dB(A)	83	84	85	85	86	87	89	89
SIZE AND WEIGHT										
Length	(9)	mm	2000	2000	2625	2625	2625	3250	3250	3250
Width	(9)	mm	1350	1350	1350	1350	1350	1350	1350	1350
Height	(9)	mm	2070	2070	2070	2070	2070	2170	2170	2170
Operating weight	(9)	kg	600	660	750	780	810	1060	1070	1080

i-NX / SL			0151P	0182P	0202P	0262P	0302P	0352P	0402P	0502P
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
PERFORMANCE										
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	kW	42,6	51,2	60,1	68,1	81,2	96,7	115	124
Total power input	(1)	kW	14,4	17,8	20,9	24,5	28,3	33,9	39,3	44,3
EER	(1)	kW/kW	2,96	2,88	2,88	2,78	2,87	2,85	2,93	2,81
COOLING ONLY (EN14511 VALU	JE)									
Cooling capacity	(1)(2)	kW	42,3	50,9	59,8	67,7	80,8	96,3	115	124
EER	(1)(2)	kW/kW	2,89	2,81	2,81	2,73	2,82	2,80	2,88	2,76
Cooling energy class			С	С	С	С	С	С	С	С
ENERGY EFFICIENCY										
SEASONAL EFFICIENCY IN CO	DLING (REG. EU	2016/2281)								
AMBIENT REFRIGERATION										
Prated,c	(10)	kW	42,3	50,9	59,8	67,7	80,8	96,3	115	124
SEER	(10)(11)		4,18	4,10	4,11	4,17	4,22	4,46	4,50	4,48
Performance ns	(10)(12)	%	164	161	162	164	166	176	177	176
EXCHANGERS										
HEAT EXCHANGER USER SIDE	IN REFRIGERAT	ON								
Water flow	(1)	I/s	2,04	2,45	2,87	3,26	3,88	4,62	5,50	5,95
Pressure drop	(1)	kPa	35,1	38,7	38,3	35,2	32,9	33,2	39,6	36,0
REFRIGERANT CIRCUIT										
Compressors nr.		N°	1	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1
Refrigerant charge		kg	8,10	8,30	8,70	9,20	11,8	12,3	14,7	15,2
NOISE LEVEL										
Sound Pressure	(5)	dB(A)	45	45	46	46	47	48	50	50
Sound power level in cooling	(6)(7)	dB(A)	77	77	78	78	79	80	82	82
SIZE AND WEIGHT										
Length	(9)	mm	2625	2625	2625	2625	3250	3250	3875	3875
Width	(9)	mm	1350	1350	1350	1350	1350	1350	1350	1350
Height	(9)	mm	2070	2070	2070	2070	2170	2170	2170	2170
Operating weight	(9)	kg	700	760	790	820	980	1090	1180	1200

- 1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
 2 Values in compliance with EN14511
- Plant (side) heat exchanger water (in/out) 40°C/45°C; Source (side) heat exchanger air (in) 7°C 87% R.H.
 Parameter calculated for LOW-TEMPERATURE application in AVERAGE climate conditions according to
- [REGULATION (EU) N. 813/2013]
- 5 Neerage sound pressure level at 1m 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.
- Sound power level in cooling, outdoors.
- 8 > Sound power level in heating, outdoors.
- 9 > Unit in standard configuration/execution, without optional accessories.

- 10 Parameter calculated according to [REGULATION (EU) N. 2016/2281]
 11 Seasonal energy efficiency ratio
- 12 ► Seasonal space cooling energy efficiency
 13 ► Seasonal coefficient of performance
- 14 ▶ Seasonal space heating energy efficiency

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

Certified data in EUROVENT



i-NX-N 0151P - 0502P

Air source heat pump for outdoor installation 41,0-128 kW



-NX-N		1// - 2 -	0151P	0182P	0202P	0262P	0302P	0352P	0402P	0502P
ower supply ERFORMANCE		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
COOLING ONLY (GROSS VALUE)										
Cooling capacity	(1)	kW	43,87	50,90	62,09	74,40	85,27	104,7	113,8	128,3
otal power input	(1)	kW	15,79	18,34	22,11	26,13	30,40	37,39	41,10	46,15
ER	(1)	kW/kW	2,778	2,781	2,810	2,851	2,806	2,799	2,769	2,783
COOLING ONLY (EN14511 VALUE) Cooling capacity	(1)(2)	kW	43,60	50,60	61,70	74,00	84,90	104,2	113,3	127,7
ER	(1)(2)	kW/kW	2,710	2,720	2,750	2,790	2,750	2,750	2,720	2,740
Cooling energy class	(-/(-/		C	C	C	C	C	C	C	C
IEATING ONLY (GROSS VALUE)										
otal heating capacity	(3)	kW	46,80	53,82	66,60	79,72	90,60	111,6	119,5	138,0
otal power input	(3)	kW	14,85	17,09	21,08	24,83	28,81	35,54	37,97	42,95
COP Heating Only (en14511 value)	(3)	kW/kW	3,141	3,146	3,156	3,214	3,146	3,144	3,145	3,209
otal heating capacity	(3)(2)	kW	47,10	54,10	67,00	80,20	91,10	112,2	120,1	138,7
OP	(3)(2)	kW/kW	3,100	3,100	3,110	3,170	3,110	3,110	3,110	3,170
ooling energy class	. , , ,		В	В	В	В	В	В	В	В
NERGY EFFICIENCY										
EASONAL EFFICIENCY IN HEATI					15.0					
Design	(4)	kW	34,7	41,4	45,9	61,2	68,9	85,4	85,2	106
COP orformance n	(4)(13)	%	3,73 146	3,80 149	3,68 144	3,83 150	3,84 151	4,02 158	3,98 156	3,97 156
erformance η _s easonal efficiency class	(4)(14)	70	A+	A+	A+	A++	A++	-	-	- 100
XCHANGERS	(10)		7.1	711	7(1	7111	7(11			
EAT EXCHANGER USER SIDE IN	N REFRIGERATION	ON								
ater flow	(1)	l/s	2,098	2,434	2,969	3,558	4,078	5,008	5,442	6,137
ressure drop	(1)	kPa	37,2	38,2	40,9	42,0	36,2	39,0	38,8	38,4
EAT EXCHANGER USER SIDE IN		1/0	0.050	0.500	0.045	0.040	4.070	E 007	E 700	0.050
/ater flow ressure drop	(3)	l/s kPa	2,259	2,598	3,215	3,848	4,373	5,387	5,768	6,659
EFRIGERANT CIRCUIT	(3)	КГd	43,1	43,6	48,0	49,1	41,6	45,1	43,6	45,2
ompressors nr.		N°	1	2	2	2	2	2	2	2
lo. Circuits		N°	<u>i</u>	1	1	1	1	1	1	1
lefrigerant charge		kg	14,4	19,5	22,9	27,1	26,8	38,7	39,2	50,9
IOISE LEVEL										
ound Pressure	(5)	dB(A)	66	66	68	69	68	70	70	70
ound power level in cooling	(6)(7)	dB(A)	84	84	86	87	87	89	89	89
ound power level in heating IZE AND WEIGHT	(6)(8)	dB(A)	84	84	85	86	87	89	89	89
ength	(9)	mm	2000	2000	2625	2625	3250	3250	3250	3875
/idth	(9)	mm	1350	1350	1350	1350	1350	1350	1350	1350
	(9)	mm	2070	2070	2070	2070	2170	2170	2170	2170
eight iperating weight ·NX-N /SL		mm kg	650 0151P	730 0182P	820 0202P	880 0262P	1030 0302P	1190 0352P	1210 0402P	1340 0502P
leight pperating weight -NX-N /SL Ower supply FERFORMANCE	(9)	mm	650	730	820	880	1030	1190	1210	1340 0502P
leight pperating weight -NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE)	(9)	mm kg V/ph/Hz	0151P 400/3+N/50	730 0182P 400/3+N/50	0202P 400/3+N/50	0262P 400/3/50	1030 0302P 400/3/50	0352P 400/3/50	0402P 400/3/50	0502P 400/3/50
eight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) ooling capacity	(9) (9)	mm kg V/ph/Hz kW	0151P 400/3+N/50 40,96	730 0182P 400/3+N/50 48,39	820 0202P 400/3+N/50 59,30	0262P 400/3/50 72,40	1030 0302P 400/3/50 81,36	0352P 400/3/50 98,56	0402P 400/3/50	0502P 400/3/50 125,7
inx-n /sL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) ooling capacity otal power input	(9)	mm kg V/ph/Hz	0151P 400/3+N/50	730 0182P 400/3+N/50	0202P 400/3+N/50	0262P 400/3/50	1030 0302P 400/3/50	0352P 400/3/50	0402P 400/3/50	0502P 400/3/50
eight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) colling capacity otal power input ER	(9) (9) (1) (1) (1) (1)	mm kg V/ph/Hz kW kW kW/kW	0151P 400/3+N/50 40,96 14,76 2,770	730 0182P 400/3+N/50 48,39 17,30 2,798	820 0202P 400/3+N/50 59,30 21,37 2,771	0262P 400/3/50 72,40 25,36 2,850	1030 0302P 400/3/50 81,36 28,32 2,876	1190 0352P 400/3/50 98,56 35,56 2,770	1210 0402P 400/3/50 111,7 40,19 2,779	1340 0502P 400/3/50 125,7 43,83
leight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) ooling capacity otal power input ER OOLING ONLY (EN14511 VALUE) ooling onlacity	(9) (9) (1) (1) (1) (1) (1)(2)	MM kg V/ph/Hz kW kW kW/kW	0151P 400/3+N/50 40,96 14,76 2,770 40,80	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00	880 0262P 400/3/50 72,40 25,36 2,850 72,00	0302P 400/3/50 81,36 28,32 2,876 81,00	1190 0352P 400/3/50 98,56 35,56 2,770 98,20	1210 0402P 400/3/50 111,7 40,19 2,779 111,2	1340 0502P 400/3/50 125,7 43,83 2,870 125,1
leight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) cooling capacity atal power input ER OOLING ONLY (EN14511 VALUE) coling capacity ER	(9) (9) (1) (1) (1) (1)	mm kg V/ph/Hz kW kW kW/kW	0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710	72,40 25,36 2,850 72,00 2,790	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820
leight perating weight IVX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) total power input ER COOLING ONLY (EN14511 VALUE) cooling capacity cooling capacity ER cooling energy class	(9) (9) (1) (1) (1) (1) (1)(2)	MM kg V/ph/Hz kW kW kW/kW	0151P 400/3+N/50 40,96 14,76 2,770 40,80	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00	880 0262P 400/3/50 72,40 25,36 2,850 72,00	0302P 400/3/50 81,36 28,32 2,876 81,00	1190 0352P 400/3/50 98,56 35,56 2,770 98,20	1210 0402P 400/3/50 111,7 40,19 2,779 111,2	1340 0502P 400/3/50 125,7 43,83 2,870 125,1
eight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) ooling capacity stal power input ER OOLING ONLY (EN14511 VALUE) ooling capacity ER cooling energy class EATING ONLY (GROSS VALUE)	(9) (9) (1) (1) (1) (1) (1)(2) (1)(2)	mm kg V/ph/Hz kW kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C	730 0162P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C
leight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) colling capacity ala power input ER OOLING ONLY (EN14511 VALUE) colling capacity ER colling energy class EATING ONLY (GROSS VALUE) total heating capacity	(9) (9) (1) (1) (1) (1) (1)(2)	MM kg V/ph/Hz kW kW kW/kW	0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710	72,40 25,36 2,850 72,00 2,790	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820
eight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) ooling capacity tal power input ER OOLING ONLY (EN14511 VALUE) ooling capacity ear ooling capacity tal health ooling capacity tal health and the service of the service	(9) (9) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3)	mm kg V/ph/Hz kW kW kW/kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C
eight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) ooling capacity otal power input ERF OOLING ONLY (EN14511 VALUE) ooling capacity ER ooling energy class EATING ONLY (GROSS VALUE) otal heating capacity otal power input oper	(9) (9) (1) (1) (1) (1)(2) (1)(2) (3) (3) (3) (3)	mm kg V/ph/Hz kW kW kW/kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267
leight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) cooling capacity obtal power input ER OOLING ONLY (EN14511 VALUE) cooling capacity ER cooling energy class EATING ONLY (GROSS VALUE) total heating capacity total power input OP EATING ONLY (EN14511 VALUE) total heating capacity total heating capacity total heating capacity	(1) (1) (1) (1) (1)(2) (1)(2) (3) (3) (3) (3) (3) (3)	mm kg V/ph/Hz kW kW kW/kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,7710 C 45,67 13,89 3,288 46,00	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2
eight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) ooling capacity tal power input ER OOLING ONLY (EN14511 VALUE) ooling capacity each ooling energy class EATING ONLY (GROSS VALUE) total power input OP EATING ONLY (EN14511 VALUE) total power input OP EATING ONLY (EN14511 VALUE) total heating capacity OP	(9) (9) (1) (1) (1) (1)(2) (1)(2) (3) (3) (3) (3)	mm kg V/ph/Hz kW kW kW/kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240	730 0162P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230	72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C C 90,40 27,68 3,264 90,90 3,230	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 C C 110,8 33,96 3,259 111,4 3,220	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C C 139,5 42,74 3,267 140,2 3,230
eight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) ooling capacity stal power input ER OOLING ONLY (EN14511 VALUE) ooling capacity ER OOLING ONLY (GROSS VALUE) tal heating capacity stal heating capacity stal heating capacity stal heating capacity otal power input OP EATING ONLY (EN14511 VALUE) stal heating capacity otal power input OP OP ooling energy class	(1) (1) (1) (1) (1)(2) (1)(2) (3) (3) (3) (3) (3) (3)	mm kg V/ph/Hz kW kW kW/kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,7710 C 45,67 13,89 3,288 46,00	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2
leight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) cooling capacity otal power input ER OOLING ONLY (EN14511 VALUE) cooling capacity otal power apacity er ER cooling energy class EATING ONLY (GROSS VALUE) total heating capacity otal power input OP EATING ONLY (EN14511 VALUE) otal heating capacity or operating only (EN14511 VALUE) otal heating capacity or or or onling energy class NERGY EFFICIENCY	(9) (9) (1) (1) (1) (1)(2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	mm kg V/ph/Hz kW kW kW/kW kW/kW kW/kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240	730 0162P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230	72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C C 90,40 27,68 3,264 90,90 3,230	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 C C 110,8 33,96 3,259 111,4 3,220	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C C 139,5 42,74 3,267 140,2 3,230
leight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) ooling capacity otal power input ER OOLING ONLY (EN14511 VALUE) ooling capacity each ooling energy class EATING ONLY (GROSS VALUE) otal heating capacity op DEATING ONLY (EN14511 VALUE) otal power input OP EATING ONLY (EN14511 VALUE) otal heating capacity OP ooling energy class NERGY EFFICIENCY EASONAL EFFICIENCY IN HEATI Design	(9) (9) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2)	mm kg V/ph/Hz kW kW kW/kW kW/kW kW/kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A	730 0162P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A
eight perating weight NX-N /SL ower supply BEFORMANCE OOLING ONLY (GROSS VALUE) colling capacity otal power input ER OOLING ONLY (EN14511 VALUE) colling capacity stal power input DEATING ONLY (GROSS VALUE) tal heating capacity otal power input OP EATING ONLY (EN14511 VALUE) tal heating capacity otal power input OP EATING ONLY (EN14511 VALUE) tal heating capacity otal power input OP EATING ONLY (EN14511 VALUE) tal heating capacity OP EASONAL EFFICIENCY IN HEATI Design COP	(9) (9) (9) (1) (1) (1) (1)(2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	mm kg V/ph/Hz kW kW kW/kW kW/kW kW/kW kW kW/kW kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A	1340 0502P 400/3/5(125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A
NX-N /SL Wer supply ERFORMANCE DOLING ONLY (GROSS VALUE) Doling capacity Doling capacity Doling only (EN14511 VALUE) Doling capacity ER DOLING ONLY (EN14511 VALUE) Doling capacity SEATING ONLY (GROSS VALUE) Total heating capacity tal power input OP EATING ONLY (EN14511 VALUE) Doling energy class EATING ONLY (EN14511 VALUE) Total heating capacity Depoing energy class NERGY EFFICIENCY EASONAL EFFICIENCY IN HEATI Design COP erformance ne	(9) (9) (9) (1) (1) (1) (2) (1)(2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	mm kg V/ph/Hz kW kW kW/kW kW/kW kW/kW kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C C 90,40 27,68 3,264 90,90 3,230 A	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A
eight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) ooling capacity otal power input ER OOLING ONLY (EN14511 VALUE) ooling capacity ER ooling energy class EATING ONLY (GROSS VALUE) otal heating capacity otal power input OP EATING ONLY (EN14511 VALUE) tal power input OP EATING ONLY (EN14511 VALUE) TOP OOLING ONLY (EN14511 VALUE) TOP EATING ONLY (EN14511 VALUE) TOP EATING ONLY (EN14511 VALUE) TOP COP EATONAL EFFICIENCY IN HEATI Design COP erformance ns easonal efficiency class	(9) (9) (9) (1) (1) (1) (1)(2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	mm kg V/ph/Hz kW kW kW/kW kW/kW kW/kW kW kW/kW kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A	1340 0502P 400/3/5(125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A
eight perating weight NX-N /SL OVERT SUPPLY ERFORMANCE OOLING ONLY (GROSS VALUE) colling capacity total power input ER OOLING ONLY (EN14511 VALUE) colling capacity total power input Destring capacity total power input OP EATING ONLY (GROSS VALUE) total heating capacity total power input OP EATING ONLY (EN14511 VALUE) total heating capacity ooling energy class NERGY EFFICIENCY EASONAL EFFICIENCY IN HEATI Design COP erformance ne easonal efficiency class KCHANGERS	(9) (9) (9) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	mm kg V/ph/Hz kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C C 90,40 27,68 3,264 90,90 3,230 A	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A
eight perating weight NX-N /SL wwer supply ERFORMANCE DOLING ONLY (GROSS VALUE) coling capacity otal power input CR DOLING ONLY (EN14511 VALUE) coling capacity stal heating capacity otal power input pop EATING ONLY (GROSS VALUE) total power input pop EATING ONLY (EN14511 VALUE) total power input pop eating capacity total power input pop eating capacity cop eating only (EN14511 VALUE) total heating capacity pop eating only (EN14511 VALUE) total heating capacity pop eating only (EN14511 VALUE) total heating capacity pop eating only (EN14511 VALUE) total deating capacity pop eating only (EN14511 VALUE) total deating capacity coling energy class NERGY EFFICIENCY EASONAL EFFICIENCY IN HEATI Design COP erformance n _{ie} easonal efficiency class KCHANGERS EAT EXCHANGER USER SIDE IN	(9) (9) (9) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	mm kg V/ph/Hz kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C C 90,40 27,68 3,264 90,90 3,230 A	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A
eight perating weight NX-N /SL OVERT SUPPLY ERFORMANCE OOLING ONLY (GROSS VALUE) colling capacity bala power input ER OOLING ONLY (EN14511 VALUE) colling capacity tal power input OOLING ONLY (GROSS VALUE) tal heating capacity tal power input OP EATING ONLY (EN14511 VALUE) tal heating capacity tal power input OP EATING ONLY (EN14511 VALUE) tal heating capacity ooling energy class NERGY EFFICIENCY EASONAL EFFICIENCY IN HEATI Design COP erformance ne easonal efficiency class KCHANGERS EAT EXCHANGER USER SIDE IN Valer flow ressure drop	(9) (9) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	mm kg V/ph/Hz kW kW kW/kW kW/k	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C C 90,40 27,68 3,264 90,90 3,230 A	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A
eight perating weight NX-N /SL wwer supply ERFORMANCE DOLING ONLY (GROSS VALUE) coling capacity otal power input CR DOLING ONLY (EN14511 VALUE) coling capacity coling energy class Leating ONLY (EN14511 VALUE) total power input cop cop cop cop cop cop cor cor	(9) (9) (9) (1) (1) (1) (1) (2) (3) (3) (3) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (4)(14) (15) (4)(14) (15) N REFRIGERATIO (1) N HEATING	mm kg V/ph/Hz kW kW kW/kW kW/k	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 -	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 - 5,341 37,3	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 - 6,010 36,8
eight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) coling capacity otal power input ER OOLING ONLY (EN14511 VALUE) coling capacity ER cooling energy class EATING ONLY (GROSS VALUE) total heating capacity tal power input OP EATING ONLY (EN14511 VALUE) total heating capacity total power input OP EATING ONLY (EN14511 VALUE) total heating capacity OP COP erformance ne easonal efficiency class XCHANGERS EAT EXCHANGER USER SIDE IN later flow ressure drop EATE EXCHANGER USER SIDE IN later flow later	(9) (9) (9) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (4)(13) (4)(14) (15) (1) (1) (1) (1) (1) (1) N REFRIGERATION (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (5) (4) (4) (4) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	mm kg V/ph/Hz kW kW kW/kW kW/kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW	650 0151P 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A	730 0162P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216	880 0262P 400/3/50 72,40 25,36 2,850 72,00 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - - - 4,713 34,6 5,348	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 5,341 37,3 6,004	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 - 6,010 36,8
eight perating weight NX-N /SL wer supply BEFORMANCE OOLING ONLY (GROSS VALUE) colling capacity bala power input ER OOLING ONLY (EN14511 VALUE) colling capacity bala heating capacity tala power input total power input OP EATING ONLY (EN14511 VALUE) tala heating capacity tala power input OP EATING ONLY (EN14511 VALUE) tala heating capacity op Ooling energy class NERGY EFFICIENCY EASONAL EFFICIENCY IN HEATI Design COP erformance na easonal efficiency class XCHANGERS EAT EXCHANGER USER SIDE IN Valer flow ressure drop EAT EXCHANGER USER SIDE IN Valer flow ressure drop EAT EXCHANGER USER SIDE IN Valer flow ressure drop EAT EXCHANGER USER SIDE IN Valer flow Verssure drop EAT EXCHANGER USER SIDE IN Valer flow Verssure drop	(9) (9) (9) (1) (1) (1) (1) (2) (3) (3) (3) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (4)(14) (15) (4)(14) (15) N REFRIGERATIO (1) N HEATING	mm kg V/ph/Hz kW kW kW/kW kW/k	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 -	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 - 5,341 37,3	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A
eight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) colling capacity otal power input ER OOLING ONLY (EN14511 VALUE) colling capacity otal power oling capacity otal power input OOLING ONLY (GROSS VALUE) tal power input operation only (GROSS VALUE) tal heating capacity otal power input operation only (EN14511 VALUE) tal heating capacity operation only (EN14511 VALUE) tal heating only (EN14511 VALU	(9) (9) (9) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (4)(13) (4)(14) (15) (1) (1) (1) (1) (1) (1) N REFRIGERATION (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (5) (4) (4) (4) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	mm kg V/ph/Hz kW kW kW/kW	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,7710 C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+ 1,959 32,4	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652 45,4	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216 48,0	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929 51,2	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364 41,5	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - 4,713 34,6 5,348 44,5	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 - 5,341 37,3 6,004 47,2	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 - 6,010 36,8 6,732 46,2
leight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) cooling capacity obtal power input ER OOLING ONLY (EN14511 VALUE) cooling capacity ER cooling energy class EATING ONLY (GROSS VALUE) total peacity otal power input op otal heating capacity otal power input op ooling energy class LEATING ONLY (EN14511 VALUE) total heating capacity op ooling energy class NERGY EFFICIENCY IN HEATI Design COP erformance ne easonal efficiency class XCHANGERS EAT EXCHANGER USER SIDE IN /ater flow ressure drop EAT EXCHANGER USER SIDE IN /ater flow ressure drop EFFIGERANT CIRCUIT ompressors nr.	(9) (9) (9) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (4)(13) (4)(14) (15) (1) (1) (1) (1) (1) (1) N REFRIGERATION (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (5) (4) (4) (4) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	mm kg V/ph/Hz kW kW kW/kW kW/kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW	650 0151P 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A	730 0162P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216	880 0262P 400/3/50 72,40 25,36 2,850 72,00 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - - - 4,713 34,6 5,348	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 5,341 37,3 6,004	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 - 6,010 36,8
eight perating weight NX-N /SL were supply BEFORMANCE OOLING ONLY (GROSS VALUE) colling capacity bear ooling capacity bear ooling capacity cell cell cell cell cell cell cell cel	(9) (9) (9) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (4)(13) (4)(14) (15) (1) (1) (1) (1) (1) (1) N REFRIGERATION (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (5) (4) (4) (4) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	mm kg V/ph/Hz kW kW kW/kW	650 0151P 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+ 1,959 32,4 2,205 41,1	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652 45,4	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216 48,0	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929 51,2	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364 41,5	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - - 4,713 34,6 5,348 44,5	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 5,341 37,3 6,004 47,2	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 - 6,010 36,8 6,732 46,2
leight perating weight NX-N /SL ower supply ERFORMANCE OOLING ONLY (GROSS VALUE) cooling capacity obtal power input ER OOLING ONLY (EN14511 VALUE) cooling capacity ER cooling energy class EATING ONLY (GROSS VALUE) total heating capacity total power input OP EATING ONLY (EN14511 VALUE) total heating capacity total power input OP EATING ONLY (EN14511 VALUE) total heating capacity OP cooling energy class NERGY EFFICIENCY IN HEATI Design COP erformance ne easonal efficiency class XCHANGERS EAT EXCHANGER USER SIDE IN Valet flow ressure drop EERIGERANT CIRCUIT Ompressors nr. o. Circuits efrigerant charge OISE LEVEL	(9) (9) (9) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (4)(14) (15) N REFRIGERATIO (1) (1) N HEATING (3) (3) (3)	mm kg V/ph/Hz kW kW kW/kW	650 0151P 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+ 1,959 32,4 2,205 41,1 1 18,8	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652 45,4 2 1 25,4	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216 48,0 2 1 26,2	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929 51,2 2 1 26,6	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364 41,5	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - 4,713 34,6 5,348 44,5 2 1 37,0	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 5,341 37,3 6,004 47,2 2 1 49,9	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 - 6,010 36,8 6,732 46,2 2 1 61,0
eight perating weight NX-N /SL wwer supply ERFORMANCE DOLING ONLY (GROSS VALUE) ooling capacity TR OOLING ONLY (EN14511 VALUE) ooling capacity ER OOLING ONLY (EN14511 VALUE) ooling capacity TR ooling anergy class EATING ONLY (GROSS VALUE) tal heating capacity tal power input OP EATING ONLY (EN14511 VALUE) tal heating capacity tole EATING ONLY (EN14511 VALUE) tal heating capacity ooling energy class NERGY EFFICIENCY EASONAL EFFICIENCY IN HEATI Design COP erformance ne assonal efficiency class XCHANGERS EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow essure drop EAT EXCHANGER USER SIDE IN tater flow essure drop EFRIGERANT CIRCUIT ompressors nr. o. Circuits effigerant charge oilse LeVeL ound Pressure	(9) (9) (9) (1) (1) (1) (1) (1) (2) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (3)(2) (4) (4) (13) (4) (14) (15) (1) (1) (1) (1) (1) N HEATING (3) (3) (5)	mm kg W kW k	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+ 1,959 32,4 2,205 41,1 1 18,8 60	730 0162P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652 45,4 2 1 25,4	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216 48,0 2 1 26,2 61	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929 51,2 2 1 26,6 61	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364 41,5 2 1 37,6 61	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - 4,713 34,6 5,348 44,5 2 1 37,0 63	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 5,341 37,3 6,004 47,2 2 1 49,9 63	1340 0502P 400/3/56 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 6,010 36,8 6,732 46,2 2 1 61,0 63
eight perating weight NX-N /SL were supply BEFORMANCE OOLING ONLY (GROSS VALUE) colling capacity otal power input BEATING ONLY (GROSS VALUE) total power oling capacity otal power oling capacity otal power input DEATING ONLY (GROSS VALUE) total heating capacity otal power input OP EATING ONLY (EN14511 VALUE) total heating capacity otal power input OP EATING ONLY (EN14511 VALUE) total heating capacity OP EATING ONLY (EN14511 VALUE) TOTAL HEATING TO	(9) (9) (9) (1) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	mm kg V/ph/Hz kW kW kW/kW dB(A) dB(A) dB(A)	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,7710 C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+ 1,959 32,4 2,205 41,1 1 18,8 60 78	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652 45,4 2 1 25,4 60 78	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216 48,0 2 1 26,2 61 79	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929 51,2 2 1 26,6 61 80	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364 41,5 2 1 37,6 61 80	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - 4,713 34,6 5,348 44,5 2 1 37,0 63 82	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 - 5,341 37,3 6,004 47,2 2 1 49,9 63 82	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 - 6,010 36,8 6,732 46,2 2 1 61,0 63 82
eight perating weight NX-N /SL wwer supply ERFORMANCE DOLING ONLY (GROSS VALUE) coling capacity otal power input R DOLING ONLY (EN14511 VALUE) coling capacity stal heating capacity otal power input otal heating capacity stal heating capacity otal power input ope POP POP EATING ONLY (EN14511 VALUE) total power input OP OP COP erformance ng capacity (EN14511 VALUE) total heating capacity Design COP erformance ng capacity assonal efficiency class KCHANGERS EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressure drop EAT EXCHANGER USER SIDE IN tater flow ressu	(9) (9) (9) (1) (1) (1) (1) (1) (2) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (3)(2) (4) (4) (13) (4) (14) (15) (1) (1) (1) (1) (1) N HEATING (3) (3) (5)	mm kg W kW k	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+ 1,959 32,4 2,205 41,1 1 18,8 60	730 0162P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652 45,4 2 1 25,4	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216 48,0 2 1 26,2 61	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929 51,2 2 1 26,6 61	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364 41,5 2 1 37,6 61	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - 4,713 34,6 5,348 44,5 2 1 37,0 63	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 5,341 37,3 6,004 47,2 2 1 49,9 63	1340 0502P 400/3/56 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 6,010 36,8 6,732 46,2 2 1 61,0 63
eight perating weight NX-N /SL ower supply ERFORMANCE DOLING ONLY (GROSS VALUE) coling capacity otal power input R DOLING ONLY (EN14511 VALUE) coling capacity stal heating capacity stal heating capacity stal heating capacity stal heating capacity op performance ne cascondate FFICIENCY IN HEATI Design COP erformance re cascondate FICIENCY IN HEATI Design ACHANGERS EAT EXCHANGER USER SIDE IN stater flow ressure drop EFRIGERANT CIRCUIT ompressors nr. o. Circuits erfigerant charge ound power level in cooling	(9) (9) (9) (1) (1) (1) (1) (1) (2) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (3)(2) (4) (4) (13) (4) (14) (15) (15) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	mm kg V/ph/Hz kW kW kW/kW k	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+ 1,959 32,4 2,205 41,1 1 18,8 60 78 78	730 0162P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652 45,4 2 1 25,4 60 78 78	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216 48,0 2 1 26,2 61 79 79	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929 51,2 2 1 26,6 61 80 80	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364 41,5 2 1 37,6 61 80 80	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - 4,713 34,6 5,348 44,5 2 1 37,0 63 82 82	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 5,341 37,3 6,004 47,2 2 1 49,9 63 82 82 82	1340 0502P 400/3/56 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 6,010 36,8 6,732 46,2 2 1 61,0 63 82 82 82
perating weight NX-N /SL. wwer supply ERFORMANCE DOLING ONLY (GROSS VALUE) Doling capacity atal power input BR DOLING ONLY (EN14511 VALUE) Doling capacity The color only (GROSS VALUE) The color only (GROSS	(9) (9) (9) (1) (1) (1) (1) (1) (2) (1)(2) (3) (3) (3) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (4)(14) (15) N REFRIGERATIO (1) (1) (1) N HEATING (3) (3) (5) (6)(7) (6)(8) (9)	mm kg V/ph/Hz kW kW kW/kW dB(A) dB(A) dB(A)	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,7710 C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+ 1,959 32,4 2,205 41,1 1 18,8 60 78 78	730 0182P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652 45,4 60 78 78 78	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216 48,0 2 1 26,2 61 79	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929 51,2 2 1 26,6 61 80 80 3250	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364 41,5 2 1 37,6 61 80 80 3250	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 2,720 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - 4,713 34,6 5,348 44,5 2 1 37,0 63 82 82 82 3875	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 - 5,341 37,3 6,004 47,2 2 1 49,9 63 82 82 82 3875	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 - 6,010 36,8 6,732 46,2 2 1 61,0 63 82
leight perating weight -NX-N /SL ower supply ERFORMANCE	(9) (9) (9) (1) (1) (1) (1) (1) (2) (3) (3) (3) (3) (3) (2) (3)(2) (3)(2) (3)(2) (4) (4) (13) (4) (14) (15) (15) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	mm kg V/ph/Hz kW kW/kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW kW kW/kW Model	650 0151P 400/3+N/50 40,96 14,76 2,770 40,80 2,710 C C 45,67 13,89 3,288 46,00 3,240 A 34,4 3,77 148 A+ 1,959 32,4 2,205 41,1 1 18,8 60 78 78	730 0162P 400/3+N/50 48,39 17,30 2,798 48,10 2,740 C C 54,94 16,82 3,268 55,30 3,220 A 41,3 3,76 147 A+ 2,314 34,6 2,652 45,4 2 1 25,4 60 78 78	820 0202P 400/3+N/50 59,30 21,37 2,771 59,00 2,710 C 66,62 20,35 3,281 67,00 3,230 A 50,0 3,68 144 A+ 2,836 37,3 3,216 48,0 2 1 26,2 61 79 79 2625	880 0262P 400/3/50 72,40 25,36 2,850 72,00 2,790 C 81,40 24,94 3,269 81,90 3,220 A 57,0 3,82 150 A++ 3,462 39,8 3,929 51,2 2 1 26,6 61 80 80	1030 0302P 400/3/50 81,36 28,32 2,876 81,00 2,830 C 90,40 27,68 3,264 90,90 3,230 A 67,8 3,96 155 A++ 3,891 33,0 4,364 41,5 2 1 37,6 61 80 80	1190 0352P 400/3/50 98,56 35,56 2,770 98,20 C 110,8 33,96 3,259 111,4 3,220 A 77,4 3,93 154 - 4,713 34,6 5,348 44,5 2 1 37,0 63 82 82	1210 0402P 400/3/50 111,7 40,19 2,779 111,2 2,730 C C 124,4 38,08 3,265 125,1 3,230 A 94,1 4,02 158 5,341 37,3 6,004 47,2 2 1 49,9 63 82 82 82	1340 0502P 400/3/50 125,7 43,83 2,870 125,1 2,820 C 139,5 42,74 3,267 140,2 3,230 A 105 4,04 158 - 6,010 36,8 6,732 46,2 2 1 61,0 63 82 82 4500



"BY FAR THE BEST PROOF IS EXPERIENCE"

Sir Francis Bacon

British Philosopher (1561 - 1626)

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.





Application: Museum Plant type: Hydronic System Cooling capacity: 546 kW Heating capacity: 602 kW



PENGUIN SYDNEY AQUARIUM **SYDNEY - AUSTRALIA**

Period: 2016 - 2018 **Application:** Museum Plant type: Hydronic System Cooling capacity: 420 kW

Installed machines: 2x NX/K/S 1014P



IKEA MUSEUM

2016-18 Almhult - Sweden

Application:

Retail - Museum

Plant type:

Hydronic System

Cooling capacity:

880 kW

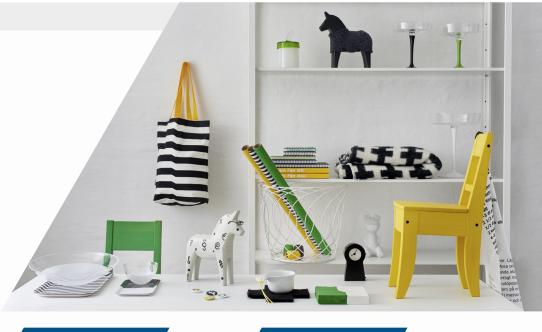
Installed machines:

1x NX/K 1214P,

2x NECS-FC/SL/S 0904



The Ikea Museum is a 7,000 sqm structure located in Almhult, the Ikea's historical headquarters. It celebrates the 70-years history of the firm through its products and the stories of people who have bought its furniture over the years and is expected to become a tourist attraction. The four floors include fully furnished rooms, old catalogues, living spaces of the future and exhibits dedicated to the store's most popular and not-so-popular items.



CHALLENGE

The structure required a reliable and efficient HVAC system both in visitors areas and in technical rooms, in order to ensure a pleasant visiting experience, in line with the values celebrated by Ikea all over the world through a unique shopping experience.

SOLUTION

The M&E consultants opted for Climaveneta units for this prestigious project. A NX air source chiller with scroll compressors was installed for the air conditioning of the museum. The local temperate climate has made possible to equip the cooling system of the technical rooms with 2 NECS-FC chillers. Thanks to Climaveneta advanced free cooling technology system, they use outdoor temperature as a free source for cooling much more often than traditional free cooling chillers, thus maximising the energy saving achievable.

FERRARI LAND TARRAGONA - SPAIN

Period: 2017

Application: Sport structures
Plant type: Hydronic System
Cooling capacity: 1321 kW

Air flow: 110200 m³/h

Installed machines:

2x FOCS-N/SL-CA; 3x NECS-N/B; 1x NX-N/K; 7x WZ-E



BILL S RESIDENCE MELBOURNE - AUSTRALIA

Period: 2017 - 2018

Application: Residential buildings Plant type: Hydronic System Cooling capacity: 44 kW

Installed machines: 1x i-NX/S 0151P









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.

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

Head Office: Via Caduti di Cefalonia 1 - 36061 Bassano del Grappa (VI) - Italy Tel (+39) 0424 509 500 - Fax (+39) 0424 509 509 www.climaveneta.com www.melcohit.com