



Unit for indoor installation to produce chilled water with hermetic rotary Scroll compressors, centrifugal plug fans with EC motor, braze-welded plate-type exchanger and thermal expansion valve.

Structure and the external panelling made of hot-galvanised metal plate and painted with epoxy powder coat RAL 7035. The panels are easily removable for a quick and easy access to the inside components on either side of the unit.

The range includes the single-circuit two-compressor versions and the dual circuit four-compressor versions.

Control



Electronic control W3000TE

The keypad W3000 Compact, as standard equipment, features function controls and a complete LCD display for viewing data and activating the unit, via a multilevel menu, with settable display language. In alternative or in addition to Compact keyboard, the innovative user interface KIPlink allows one to operate on the unit directly from the smartphone or tablet. Using KIPlink, it is possible to turn the unit on and off, adjust the set-point, plot the main operating variables, monitor in detail the status of the refrigerant circuits, the compressors, the fans and the pumps (if present) and display and reset the possible alarms.

The regulation is based on the exclusive QuickMind algorithm, including self-adaptive control logics, beneficial in low water content systems. Alternatively, the proportional or proportional-integral regulations are also available.

Complete alarm management system is available, with the "black-box" and the alarm history display functions. For multiple units' systems, the regulation of the resources can be implemented via optional proprietary devices. Energy metering, for both consumption and capacity, can also be developed.

The built-in clock can create an operating profile up to 4 typical days and 10 time bands.

Supervision is available either using proprietary devices or by integration into third party systems using ModBus, BACnet, BACnet-over-IP and Echelon LonWorks protocols.

A dedicated wall-mounted keypad can be used for remote control of all the functions.

Optionally (VPF package), capacity modulation can be integrated with hydraulic flow modulation, thanks to inverter-driven pumps and to specific resources for the hydraulic circuit.

Refrigerant



Versions

K	Standard efficiency	A	High efficiency
SL-K	Super low noise, standard efficiency		

Configurations

-	Basic function	D	Partial condensing heat recovery function
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Features

HIGH EFFICIENCY

Very high efficiency at full and partial load, at the highest market levels, thanks to the adopted technological solutions. These units ensure low operating costs and therefore a quick payback time.

ErP READY

The highest level of efficiency at part load can meet and exceed the minimum seasonal efficiency for heating, SCOP according with the eco-sustainable design requirements for all products using energy.

PLUG FUN WITH EC MOTOR

More air flow by smaller diameter.

Energy cost saving by highest efficiency at the operating point.

Fan is directly coupling with motor, no energy lost due to the transmission (belts and pulleys). External rotor fitted with permanent magnets. Outstanding efficiency even at partial load range, due to the lack of brushes and lower consumption in every working condition in order to achieve a better seasonal efficiency in accordance with ErP Directive.

TOTAL VERSATILITY

Horizontal or vertical air flow.

INTEGRATED HYDRONIC MODULE

The built-in hydronic module already contains the main water circuit components; it is available as option with single or twin in-line pump, for achieving low or high head, fixed or variable speed.

Accessories

- Soft starters
- Set-up for remote connectivity with ModBus, Echelon, Bacnet, Bacnet over-IP.
- Outside air temperature probe for plant water set point compensation.
- Horizontal or vertical air outflow
- Hydronic module available in different configurations with 1 or 2 pumps fixed speed or variable speed, for achieving both low or high head.
- VPF (Variable Primary Flow) system
- Electronic expansion valve

NX-C / K		0072	0092	0102	0122	0152	0182	0202	0232	0272
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE										
COOLING ONLY (GROSS VALUE)										
Cooling capacity	(1) kW	17,76	22,48	26,53	30,29	38,46	45,45	51,78	58,09	66,80
Total power input	(1) kW	6,230	8,289	9,536	11,33	12,88	14,85	17,72	20,49	23,63
EER	(1) kW/kW	2,857	2,714	2,778	2,681	2,984	3,054	2,927	2,834	2,831
ESEER	(1) kW/kW	4,350	4,210	4,330	4,190	4,310	4,340	4,210	4,140	4,200
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2) kW	17,70	22,40	26,40	30,10	38,30	45,30	51,60	57,80	66,50
EER	(1)(2) kW/kW	2,850	2,710	2,780	2,680	2,990	3,060	2,930	2,830	2,830
ESEER	(1)(2) kW/kW	4,200	4,090	4,210	4,050	4,200	4,240	4,130	4,050	4,100
Cooling energy class		A	B	A	B	A	A	A	A	A
ENERGY EFFICIENCY										
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)										
Ambient refrigeration										
Prated,c	(6) kW	17,7	22,4	26,4	30,1	38,3	45,3	51,6	57,8	66,5
SEER	(6)(7)	3,92	3,86	3,92	3,80	4,04	4,10	4,00	3,92	4,00
Performance ηs	(6)(8) %	154	151	154	149	159	161	157	154	157
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1) l/s	0,849	1,075	1,269	1,449	1,839	2,173	2,476	2,778	3,194
Pressure drop	(1) kPa	24,8	24,4	25,1	25,5	27,3	24,9	25,3	25,6	25,3
REFRIGERANT CIRCUIT										
Compressors nr.	N°	2	2	2	2	2	2	2	2	2
No. Circuits	N°	1	1	1	1	1	1	1	1	1
Refrigerant charge	kg	3,50	3,70	4,10	4,20	7,30	8,30	9,20	9,40	10,7
FANS										
Air flow	m³/s	2,08	2,50	3,33	3,47	4,44	5,42	5,69	5,97	7,50
Available static pressure	Pa	30	30	30	30	30	30	30	30	30
NOISE LEVEL										
Sound power level in cooling	(3)(4) dB(A)	80	78	81	80	77	80	81	82	82
SIZE AND WEIGHT										
A	(5) mm	1500	1500	1500	1500	2480	2480	2480	2480	2480
B	(5) mm	900	900	900	900	1100	1100	1100	1100	1100
H	(5) mm	1910	1910	1910	1910	2100	2100	2100	2100	2100
Operating weight	(5) kg	380	380	400	410	680	710	720	740	800

Notes

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511
- Total sound power of fans, as declared by the maker, at the rated speed of rotation and a useful static head of nominal on the delivery side.
- Sound power level in cooling, outdoors.
- Unit in standard configuration/execution, without optional accessories.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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

Certified data in EUROVENT

NX-C / K		0302	0352	0402	0452	0502	0552	0602	0702	0524
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE										
COOLING ONLY (GROSS VALUE)										
Cooling capacity	(1) kW	75,49	85,51	97,63	110,0	125,0	140,2	155,7	178,1	127,2
Total power input	(1) kW	27,14	32,07	35,51	40,87	44,75	52,93	59,88	66,85	47,73
EER	(1) kW/kW	2,786	2,664	2,749	2,689	2,790	2,650	2,599	2,662	2,667
ESEER	(1) kW/kW	4,020	3,920	3,980	3,910	4,020	3,890	3,830	3,970	4,120
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2) kW	75,20	85,20	97,20	109,6	124,6	139,7	155,2	177,5	126,8
EER	(1)(2) kW/kW	2,800	2,670	2,750	2,690	2,800	2,660	2,610	2,670	2,680
ESEER	(1)(2) kW/kW	3,940	3,850	3,910	3,850	3,970	3,830	3,790	3,920	4,010
Cooling energy class		A	B	A	B	A	B	B	B	B
ENERGY EFFICIENCY										
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)										
Ambient refrigeration										
Prated,c	(6) kW	75,2	85,2	97,2	110	125	140	155	178	127
SEER	(6)(7)	3,86	3,81	3,82	3,80	3,85	3,80	3,81	3,87	3,93
Performance ηs	(6)(8) %	151	149	150	149	151	149	149	152	154
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1) l/s	3,610	4,089	4,669	5,262	5,978	6,705	7,445	8,518	6,080
Pressure drop	(1) kPa	25,9	25,7	25,3	25,4	25,4	25,8	25,6	26,3	25,6
REFRIGERANT CIRCUIT										
Compressors nr.	N°	2	2	2	2	2	2	2	2	4
No. Circuits	N°	1	1	1	1	1	1	1	1	2
Refrigerant charge	kg	11,1	12,0	14,1	14,8	18,6	19,2	20,0	23,5	21,0
FANS										
Air flow	m³/s	8,06	8,89	10,56	11,11	12,50	13,89	15,83	18,06	13,06
Available static pressure	Pa	30	30	30	30	30	30	30	30	30
NOISE LEVEL										
Sound power level in cooling	(3)(4) dB(A)	82	84	87	80	87	88	89	94	88
SIZE AND WEIGHT										
A	(5) mm	2480	2480	2980	2980	3970	3970	3970	4670	3970
B	(5) mm	1100	1100	1260	1260	1260	1260	1260	1260	1260
H	(5) mm	2100	2100	2100	2100	2100	2100	2100	2100	2100
Operating weight	(5) kg	820	890	1080	1110	1290	1310	1380	1560	1250

Notes

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- 3 Total sound power of fans, as declared by the maker, at the rated speed of rotation and a useful static head of nominal on the delivery side.
- 4 Sound power level in cooling, outdoors.
- 5 Unit in standard configuration/execution, without optional accessories.
- 6 Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- 7 Seasonal energy efficiency ratio
- 8 Seasonal space cooling energy efficiency

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Certified data in EUROVENT

NX-C / K		0604	0704	0804	0904	1004	1104	1204
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
Cooling capacity	(1) kW	148,4	171,2	191,2	220,1	245,7	281,7	291,1
Total power input	(1) kW	56,57	64,19	74,66	81,94	93,40	107,6	121,1
EER	(1) kW/kW	2,622	2,667	2,560	2,687	2,631	2,618	2,404
ESEER	(1) kW/kW	4,050	4,060	3,990	4,050	4,040	3,820	3,740
COOLING ONLY (EN14511 VALUE)								
Cooling capacity	(1)(2) kW	147,9	170,7	190,6	219,5	245,0	281,0	290,3
EER	(1)(2) kW/kW	2,630	2,680	2,570	2,700	2,640	2,630	2,410
ESEER	(1)(2) kW/kW	3,940	3,960	3,900	3,960	3,950	3,740	3,660
Cooling energy class		B	B	B	B	B	B	C
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
Ambient refrigeration								
Prated,c	(6) kW	148	171	191	220	245	281	290
SEER	(6)(7)	3,90	3,93	3,86	3,94	3,90	3,81	3,80
Performance ηs	(6)(8) %	153	154	151	155	153	149	149
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
Water flow	(1) l/s	7,098	8,188	9,143	10,52	11,75	13,47	13,92
Pressure drop	(1) kPa	27,0	25,7	26,1	26,1	26,1	23,5	25,1
REFRIGERANT CIRCUIT								
Compressors nr.	N°	4	4	4	4	4	4	4
No. Circuits	N°	2	2	2	2	2	2	3
Refrigerant charge	kg	22,3	26,3	28,4	32,3	34,6	86,0	86,0
FANS								
Air flow	m³/s	15,28	17,78	19,44	22,50	24,17	24,17	24,17
Available static pressure	Pa	30	30	30	30	30	30	30
NOISE LEVEL								
Sound power level in cooling	(3)(4) dB(A)	90	95	97	91	93	94	94
SIZE AND WEIGHT								
A	(5) mm	3970	4670	4670	5670	5670	5670	5670
B	(5) mm	1260	1260	1260	1260	1260	1260	1260
H	(5) mm	2100	2100	2100	2100	2100	2100	2100
Operating weight	(5) kg	1350	1640	1780	2060	2140	2530	2580

Notes

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NX-C / SL-K		0072	0092	0102	0122	0152	0182	0202	0232
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1) kW	17,43	21,89	25,62	29,28	37,48	44,40	51,20	56,83
Total power input	(1) kW	6,087	8,016	9,112	10,83	12,64	14,49	17,34	20,02
EER	(1) kW/kW	2,857	2,731	2,810	2,713	2,976	3,062	2,960	2,840
ESEER	(1) kW/kW	4,360	4,250	4,350	4,430	4,280	4,370	4,260	4,290
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(1)(2) kW	17,30	21,80	25,50	29,10	37,30	44,20	51,00	56,60
EER	(1)(2) kW/kW	2,870	2,720	2,830	2,720	2,960	3,070	2,970	2,840
ESEER	(1)(2) kW/kW	4,250	4,150	4,250	4,300	4,180	4,290	4,190	4,220
Cooling energy class		A	A	A	A	A	A	A	A
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
Ambient refrigeration									
Prated,c	(6) kW	17,3	21,8	25,5	29,1	37,3	44,2	51,0	56,6
SEER	(6)(7)	3,96	3,89	3,92	3,99	4,00	4,12	4,04	4,05
Performance ηs	(6)(8) %	155	153	154	156	157	162	158	159
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
Water flow	(1) l/s	0,834	1,047	1,225	1,400	1,792	2,123	2,448	2,718
Pressure drop	(1) kPa	23,9	23,1	23,5	23,9	25,9	23,8	24,8	24,5
REFRIGERANT CIRCUIT									
Compressors nr.	N°	2	2	2	2	2	2	2	2
No. Circuits	N°	1	1	1	1	1	1	1	1
Refrigerant charge	kg	3,50	3,70	6,80	7,00	7,30	8,30	9,20	9,40
FANS									
Air flow	m³/s	1,81	2,08	2,22	2,36	3,61	4,44	4,86	5,14
Available static pressure	Pa	30	30	30	30	30	30	30	30
NOISE LEVEL									
Sound power level in cooling	(3)(4) dB(A)	68	70	70	72	70	76	73	74
SIZE AND WEIGHT									
A	(5) mm	1500	1500	2480	2480	2480	2480	2480	2480
B	(5) mm	900	900	1100	1100	1100	1100	1100	1100
H	(5) mm	1910	1910	2100	2100	2100	2100	2100	2100
Operating weight	(5) kg	450	450	690	700	730	790	790	810

Notes

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NX-C / SL-K		0272	0302	0352	0402	0452	0502	0552	0602
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1) kW	65,37	73,49	82,99	94,78	106,9	122,4	136,4	150,5
Total power input	(1) kW	22,77	26,43	31,05	34,34	39,50	43,82	51,51	57,78
EER	(1) kW/kW	2,868	2,784	2,669	2,764	2,706	2,795	2,649	2,604
ESEER	(1) kW/kW	4,410	4,000	4,070	4,000	4,060	4,030	3,920	4,080
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(1)(2) kW	65,10	73,20	82,70	94,50	106,5	122,0	136,0	150,0
EER	(1)(2) kW/kW	2,870	2,780	2,670	2,770	2,710	2,800	2,660	2,610
ESEER	(1)(2) kW/kW	4,330	3,950	4,010	3,960	4,020	3,970	3,870	4,040
Cooling energy class		A	A	B	A	A	A	B	B
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
Ambient refrigeration									
Prated,c	(6) kW	65,1	73,2	82,7	94,5	106	122	136	150
SEER	(6)(7)	4,15	3,83	3,88	3,84	3,89	3,86	3,81	3,92
Performance ηs	(6)(8) %	163	150	152	151	153	151	149	154
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
Water flow	(1) l/s	3,126	3,514	3,969	4,533	5,111	5,852	6,521	7,196
Pressure drop	(1) kPa	24,2	24,5	24,2	23,9	23,9	24,4	24,4	23,9
REFRIGERANT CIRCUIT									
Compressors nr.	N°	2	2	2	2	2	2	2	2
No. Circuits	N°	1	1	1	1	1	1	1	1
Refrigerant charge	kg	11,6	12,0	12,8	16,8	17,3	18,6	19,2	21,1
FANS									
Air flow	m³/s	6,11	6,39	6,94	8,06	8,61	10,83	11,67	12,22
Available static pressure	Pa	30	30	30	30	30	30	30	30
NOISE LEVEL									
Sound power level in cooling	(3)(4) dB(A)	76	76	77	76	77	82	83	86
SIZE AND WEIGHT									
A	(5) mm	2980	2980	2980	3970	3970	3970	3970	4670
B	(5) mm	1260	1260	1260	1260	1260	1260	1260	1260
H	(5) mm	2100	2100	2100	2100	2100	2100	2100	2100
Operating weight	(5) kg	930	980	1060	1220	1380	1400	1430	1610

Notes

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NX-C / SL-K		0702	0524	0604	0704	0804	0904	1004
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
Cooling capacity	(1) kW	172,2	124,0	144,5	166,2	185,1	222,3	243,4
Total power input	(1) kW	65,36	46,62	54,98	62,74	71,80	79,56	91,00
EER	(1) kW/kW	2,633	2,661	2,627	2,651	2,578	2,793	2,675
ESEER	(1) kW/kW	3,880	4,130	4,120	4,200	3,990	4,220	4,050
COOLING ONLY (EN14511 VALUE)								
Cooling capacity	(1)(2) kW	171,7	123,6	144,0	165,7	184,6	221,6	242,7
EER	(1)(2) kW/kW	2,640	2,670	2,630	2,660	2,590	2,800	2,680
ESEER	(1)(2) kW/kW	3,830	4,010	4,000	4,090	3,900	4,110	3,960
Cooling energy class		B	B	B	B	B	A	B
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
Ambient refrigeration								
Prated,c	(6) kW	172	124	144	166	185	222	243
SEER	(6)(7)	3,80	3,93	3,91	4,02	3,83	4,08	3,92
Performance ηs	(6)(8) %	149	154	154	158	150	160	154
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
Water flow	(1) l/s	8,237	5,929	6,911	7,946	8,851	10,63	11,64
Pressure drop	(1) kPa	24,6	24,3	25,6	24,2	24,5	26,6	25,6
REFRIGERANT CIRCUIT								
Compressors nr.	N°	2	4	4	4	4	4	4
No. Circuits	N°	1	2	2	2	2	2	2
Refrigerant charge	kg	25,3	21,0	23,1	27,6	29,7	82,6	84,3
FANS								
Air flow	m³/s	13,89	11,11	12,22	13,89	15,00	19,17	19,72
Available static pressure	Pa	30	30	30	30	30	30	30
NOISE LEVEL								
Sound power level in cooling	(3)(4) dB(A)	89	82	84	89	82	88	89
SIZE AND WEIGHT								
A	(5) mm	5670	3970	4670	5670	5670	5670	5670
B	(5) mm	1260	1260	1260	1260	1260	1260	1260
H	(5) mm	2100	2100	2100	2100	2100	2100	2100
Operating weight	(5) kg	1790	1370	1550	1960	2110	2550	2600

Notes

- 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
- 3 Total sound power of fans, as declared by the maker, at the rated speed of rotation and a useful static head of nominal on the delivery side.
- 4 Sound power level in cooling, outdoors.
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- 6 Parameter calculated according to [REGULATION (EU) N. 2016/2281]
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- 8 Seasonal space cooling energy efficiency

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Certified data in EUROVENT

NX-C / A		0072	0092	0102	0122	0152	0182	0202	0232
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1) kW	18,11	22,91	27,39	31,64	38,83	46,00	53,05	59,17
Total power input	(1) kW	5,936	7,831	8,561	10,22	12,55	14,39	17,18	19,81
EER	(1) kW/kW	3,047	2,925	3,201	3,098	3,079	3,194	3,081	2,990
ESEER	(1) kW/kW	4,560	4,490	4,830	4,830	4,440	4,490	4,390	4,390
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(1)(2) kW	18,00	22,80	27,20	31,40	38,60	45,80	52,80	58,90
EER	(1)(2) kW/kW	3,060	2,930	3,210	3,100	3,090	3,230	3,110	3,000
ESEER	(1)(2) kW/kW	4,470	4,410	4,730	4,680	4,330	4,440	4,310	4,300
Cooling energy class		A	A	A	A	A	A	A	A
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
Ambient refrigeration									
Prated,c	(6) kW	18,0	22,8	27,2	31,4	38,6	45,8	52,8	58,9
SEER	(6)(7)	4,17	4,14	4,36	4,38	4,17	4,27	4,17	4,16
Performance ηs	(6)(8) %	164	163	171	172	164	168	164	164
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
Water flow	(1) l/s	0,866	1,096	1,310	1,513	1,857	2,200	2,537	2,830
Pressure drop	(1) kPa	25,8	25,3	26,8	27,9	27,8	25,5	26,6	26,6
REFRIGERANT CIRCUIT									
Compressors nr.	N°	2	2	2	2	2	2	2	2
No. Circuits	N°	1	1	1	1	1	1	1	1
Refrigerant charge	kg	3,50	3,70	6,80	7,00	7,30	8,30	9,20	9,40
FANS									
Air flow	m³/s	2,50	2,92	3,75	4,17	4,86	6,11	6,53	6,94
Available static pressure	Pa	30	30	30	30	30	30	30	30
NOISE LEVEL									
Sound power level in cooling	(3)(4) dB(A)	74	77	82	84	86	83	84	84
SIZE AND WEIGHT									
A	(5) mm	1500	1500	2480	2480	2480	2480	2480	2480
B	(5) mm	900	900	1100	1100	1100	1100	1100	1100
H	(5) mm	1910	1910	2100	2100	2100	2100	2100	2100
Operating weight	(5) kg	450	450	690	700	730	790	790	810

Notes

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NX-C / A		0272	0302	0352	0402	0452	0502	0552	0602
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1) kW	67,76	77,18	87,21	99,82	113,0	126,1	141,0	158,5
Total power input	(1) kW	22,81	26,21	30,71	33,70	38,72	43,92	51,68	57,44
EER	(1) kW/kW	2,974	2,947	2,840	2,961	2,920	2,872	2,727	2,761
ESEER	(1) kW/kW	4,460	4,190	4,190	4,210	4,080	4,100	4,080	4,000
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(1)(2) kW	67,50	76,90	86,90	99,40	112,6	125,7	140,5	158,0
EER	(1)(2) kW/kW	2,990	2,960	2,850	2,980	2,930	2,880	2,730	2,780
ESEER	(1)(2) kW/kW	4,380	4,120	4,120	4,140	4,030	4,050	4,020	3,960
Cooling energy class		A	A	A	A	A	A	A	A
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
Ambient refrigeration									
Prated,c	(6) kW	67,5	76,9	86,9	99,4	113	126	140	158
SEER	(6)(7)	4,22	4,01	4,02	4,04	3,90	3,93	3,92	3,90
Performance ηs	(6)(8) %	166	158	158	159	153	154	154	153
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
Water flow	(1) l/s	3,240	3,691	4,171	4,774	5,402	6,028	6,742	7,580
Pressure drop	(1) kPa	26,0	27,1	26,7	26,5	26,7	25,9	26,1	26,5
REFRIGERANT CIRCUIT									
Compressors nr.	N°	2	2	2	2	2	2	2	2
No. Circuits	N°	1	1	1	1	1	1	1	1
Refrigerant charge	kg	11,6	12,0	12,8	16,8	17,3	18,6	19,2	21,1
FANS									
Air flow	m³/s	8,06	9,17	9,72	11,67	12,50	13,33	14,44	16,94
Available static pressure	Pa	30	30	30	30	30	30	30	30
NOISE LEVEL									
Sound power level in cooling	(3)(4) dB(A)	90	83	84	83	85	86	88	93
SIZE AND WEIGHT									
A	(5) mm	2980	2980	2980	3970	3970	3970	3970	4670
B	(5) mm	1260	1260	1260	1260	1260	1260	1260	1260
H	(5) mm	2100	2100	2100	2100	2100	2100	2100	2100
Operating weight	(5) kg	930	980	1060	1220	1380	1400	1430	1610

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NX-C / A		0702	0524	0604	0704	0804	0904	1004
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
Cooling capacity	(1) kW	180,4	127,2	150,0	173,5	193,4	225,0	251,1
Total power input	(1) kW	65,28	46,54	55,11	62,30	70,67	81,65	91,08
EER	(1) kW/kW	2,763	2,735	2,722	2,785	2,736	2,757	2,756
ESEER	(1) kW/kW	4,090	4,190	4,130	4,310	4,150	4,170	4,120
COOLING ONLY (EN14511 VALUE)								
Cooling capacity	(1)(2) kW	179,8	126,8	149,5	173,0	192,8	224,3	250,4
EER	(1)(2) kW/kW	2,770	2,740	2,730	2,800	2,750	2,770	2,760
ESEER	(1)(2) kW/kW	4,050	4,070	4,010	4,200	4,050	4,070	4,020
Cooling energy class		A	A	A	A	A	A	A
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
Ambient refrigeration								
Prated,c	(6) kW	180	127	150	173	193	224	250
SEER	(6)(7)	4,00	3,98	3,96	4,16	4,01	4,06	3,96
Performance ηs	(6)(8) %	157	156	155	163	157	159	155
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
Water flow	(1) l/s	8,628	6,080	7,174	8,298	9,249	10,76	12,01
Pressure drop	(1) kPa	27,0	25,6	27,6	26,4	26,7	27,3	27,3
REFRIGERANT CIRCUIT								
Compressors nr.	N°	2	4	4	4	4	4	4
No. Circuits	N°	1	2	2	2	2	2	2
Refrigerant charge	kg	25,3	21,0	23,1	27,6	29,7	82,6	84,3
FANS								
Air flow	m³/s	18,61	13,06	15,56	19,72	19,72	21,94	21,94
Available static pressure	Pa	30	30	30	30	30	30	30
NOISE LEVEL								
Sound power level in cooling	(3)(4) dB(A)	96	86	89	88	88	91	91
SIZE AND WEIGHT								
A	(5) mm	5670	3970	4670	5670	5670	5670	5670
B	(5) mm	1260	1260	1260	1260	1260	1260	1260
H	(5) mm	2100	2100	2100	2100	2100	2100	2100
Operating weight	(5) kg	1790	1370	1550	1960	2110	2550	2600

- Notes**
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Dimensional drawing

