



**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
<b>PERFORMANCE</b>										
<b>COOLING ONLY (GROSS VALUE)</b>										
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
<b>COOLING ONLY (EN14511 VALUE)</b>										
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
<b>ENERGY EFFICIENCY</b>										
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>										
<b>Ambient refrigeration</b>										
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
<b>EXCHANGERS</b>										
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>										
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
<b>REFRIGERANT CIRCUIT</b>										
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
<b>FANS</b>										
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
<b>NOISE LEVEL</b>										
Sound power level in cooling	(3)(4) dB(A)	80	78	81	80	77	80	81	82	82
<b>SIZE AND WEIGHT</b>										
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 [GWP<sub>100</sub> 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
<b>PERFORMANCE</b>											
<b>COOLING ONLY (GROSS VALUE)</b>											
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
<b>COOLING ONLY (EN14511 VALUE)</b>											
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
<b>ENERGY EFFICIENCY</b>											
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>											
<b>Ambient refrigeration</b>											
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
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
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
<b>REFRIGERANT CIRCUIT</b>											
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
<b>FANS</b>											
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
<b>NOISE LEVEL</b>											
Sound power level in cooling	(3)(4)	dB(A)	82	84	87	80	87	88	89	94	88
<b>SIZE AND WEIGHT</b>											
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**

- 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

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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
<b>PERFORMANCE</b>								
<b>COOLING ONLY (GROSS VALUE)</b>								
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
<b>COOLING ONLY (EN14511 VALUE)</b>								
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
<b>ENERGY EFFICIENCY</b>								
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>								
<b>Ambient refrigeration</b>								
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
<b>EXCHANGERS</b>								
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>								
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
<b>REFRIGERANT CIRCUIT</b>								
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
<b>FANS</b>								
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
<b>NOISE LEVEL</b>								
Sound power level in cooling	(3)(4) dB(A)	90	95	97	91	93	94	94
<b>SIZE AND WEIGHT</b>								
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
<b>PERFORMANCE</b>										
<b>COOLING ONLY (GROSS VALUE)</b>										
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
<b>COOLING ONLY (EN14511 VALUE)</b>										
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
<b>ENERGY EFFICIENCY</b>										
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>										
<b>Ambient refrigeration</b>										
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
<b>EXCHANGERS</b>										
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>										
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
<b>REFRIGERANT CIRCUIT</b>										
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
<b>FANS</b>										
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
<b>NOISE LEVEL</b>										
Sound power level in cooling	(3)(4)	dB(A)	68	70	70	72	70	76	73	74
<b>SIZE AND WEIGHT</b>										
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**

- 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

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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
<b>PERFORMANCE</b>										
<b>COOLING ONLY (GROSS VALUE)</b>										
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
<b>COOLING ONLY (EN14511 VALUE)</b>										
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
<b>ENERGY EFFICIENCY</b>										
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>										
<b>Ambient refrigeration</b>										
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
<b>EXCHANGERS</b>										
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>										
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
<b>REFRIGERANT CIRCUIT</b>										
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
<b>FANS</b>										
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
<b>NOISE LEVEL</b>										
Sound power level in cooling	(3)(4)	dB(A)	76	76	77	76	77	82	83	86
<b>SIZE AND WEIGHT</b>										
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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- 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]
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Certified data in EUROVENT

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
<b>PERFORMANCE</b>								
<b>COOLING ONLY (GROSS VALUE)</b>								
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
<b>COOLING ONLY (EN14511 VALUE)</b>								
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
<b>ENERGY EFFICIENCY</b>								
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>								
<b>Ambient refrigeration</b>								
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
<b>EXCHANGERS</b>								
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>								
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
<b>REFRIGERANT CIRCUIT</b>								
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
<b>FANS</b>								
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
<b>NOISE LEVEL</b>								
Sound power level in cooling	(3)(4) dB(A)	89	82	84	89	82	88	89
<b>SIZE AND WEIGHT</b>								
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.   | 4 Sound power level in cooling, outdoors.                                 |
| 2 Values in compliance with EN14511   | 5 Unit in standard configuration/execution, without optional accessories. |
| 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. | 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 / 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
<b>PERFORMANCE</b>										
<b>COOLING ONLY (GROSS VALUE)</b>										
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
<b>COOLING ONLY (EN14511 VALUE)</b>										
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
<b>ENERGY EFFICIENCY</b>										
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>										
<b>Ambient refrigeration</b>										
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
<b>EXCHANGERS</b>										
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>										
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
<b>REFRIGERANT CIRCUIT</b>										
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
<b>FANS</b>										
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
<b>NOISE LEVEL</b>										
Sound power level in cooling	(3)(4)	dB(A)	74	77	82	84	86	83	84	84
<b>SIZE AND WEIGHT</b>										
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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- 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.
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- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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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
<b>PERFORMANCE</b>									
<b>COOLING ONLY (GROSS VALUE)</b>									
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
<b>COOLING ONLY (EN14511 VALUE)</b>									
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
<b>ENERGY EFFICIENCY</b>									
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>									
<b>Ambient refrigeration</b>									
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
<b>EXCHANGERS</b>									
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>									
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
<b>REFRIGERANT CIRCUIT</b>									
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
<b>FANS</b>									
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
<b>NOISE LEVEL</b>									
Sound power level in cooling	(3)(4) dB(A)	90	83	84	83	85	86	88	93
<b>SIZE AND WEIGHT</b>									
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 / 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
<b>PERFORMANCE</b>									
<b>COOLING ONLY (GROSS VALUE)</b>									
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
<b>COOLING ONLY (EN14511 VALUE)</b>									
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
<b>ENERGY EFFICIENCY</b>									
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>									
<b>Ambient refrigeration</b>									
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
<b>EXCHANGERS</b>									
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>									
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
<b>REFRIGERANT CIRCUIT</b>									
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
<b>FANS</b>									
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
<b>NOISE LEVEL</b>									
Sound power level in cooling	(3)(4)	dB(A)	96	86	89	88	88	91	91
<b>SIZE AND WEIGHT</b>									
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

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#### Dimensional drawing

