

5.1 GENERAL TECHNICAL DATA

NX-C / K

[SI System]

NX-C / K			0072	0092	0102	0122	0152	0182	0202	0232	0272	0302
Power supply			V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50									
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	75,49
Total power input	(1)	kW	6,520	8,660	9,440	11,18	13,54	15,48	18,39	21,20	23,41	27,78
EER	(1)	kW/kW	2,730	2,598	2,807	2,705	2,852	2,935	2,815	2,741	2,855	2,716
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(2)(3)	kW	17,70	22,40	26,50	30,20	38,40	45,40	51,70	58,00	66,70	75,40
EER	(2)(3)	kW/kW	2,900	2,740	3,020	2,880	3,040	3,160	3,000	2,900	3,050	2,880
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(4)	kW	18,43	23,32	27,52	31,43	39,90	47,15	53,72	60,27	69,31	78,32
Total power input	(4)	kW	6,322	8,403	9,149	10,83	13,13	15,01	17,83	20,55	22,68	26,93
Desuperheater heating capacity	(4)	kW	5,052	6,552	7,427	8,899	10,39	11,94	14,31	16,57	18,70	21,80
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow	(1)	l/s	0,849	1,075	1,269	1,449	1,839	2,173	2,476	2,778	3,194	3,610
Pressure drop at the heat exchanger	(1)	kPa	24,8	24,4	25,1	25,5	27,3	24,9	25,3	25,6	25,3	25,9
HEAT RECOVERY EX. USER SIDE												
Water flow	(4)	l/s	0,244	0,316	0,358	0,430	0,502	0,577	0,691	0,800	0,903	1,052
Pressure drop at the heat exchanger	(4)	kPa	2,92	4,92	6,32	9,07	4,52	5,97	8,57	11,5	8,78	11,9
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	2	2	2	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	50	50	50	50	50	50	50	50	50	50
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	3,50	3,70	4,10	4,20	7,30	8,30	9,20	9,40	10,7	11,1
Oil charge		kg	2,70	2,70	2,70	3,30	3,90	5,50	5,50	6,30	7,30	7,40
FANS												
Quantity		N°	1	1	1	1	2	2	2	2	2	3
Air flow		m³/s	2,08	2,50	3,33	3,47	4,44	5,42	5,69	5,97	7,50	8,06
Available static pressure		Pa	120	120	120	120	120	120	120	120	120	120
Fans power input		kW	0,86	1,32	1,12	1,21	0,95	1,05	1,18	1,32	1,23	1,12
NOISE LEVEL												
Sound power level in cooling	(5)(6)	dB(A)	83	88	79	80	88	85	86	87	83	87
SIZE AND WEIGHT												
A	(7)	mm	1500	1500	1500	1500	2480	2480	2480	2480	2480	2480
B	(7)	mm	900	900	900	900	1100	1100	1100	1100	1100	1100
H	(7)	mm	1910	1910	1910	1910	2100	2100	2100	2100	2100	2100
Operating weight	(7)	kg	380	380	400	410	680	710	720	740	800	820

Notes:

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

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

3 Values in compliance with EN14511

4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.

5 Total sound power of fans, as declared by the manufacturer, at the rated speed of rotation and a nominal available static pressure on the delivery side.

6 Sound power level in cooling, outdoors.

7 Unit in standard configuration, without optional accessories.

- Not available

Data certified in EUROVENT

GENERAL TECHNICAL DATA

NX-C / K

[SI System]

NX-C / K			0352	0402	0452	0502	0602	0702	0524	0604	0704	0804
Power supply			V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50									
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	kW	85,51	97,63	110,0	125,0	155,7	178,1	127,2	148,4	171,2	191,2
Total power input	(1)	kW	32,71	35,09	40,24	46,00	58,51	68,14	49,02	55,46	65,44	75,91
EER	(1)	kW/kW	2,615	2,781	2,736	2,717	2,662	2,615	2,596	2,674	2,618	2,519
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(2)(3)	kW	85,40	97,50	109,9	124,8	155,4	177,8	126,9	148,2	170,9	190,9
EER	(2)(3)	kW/kW	2,760	2,960	2,890	2,870	2,810	2,750	2,730	2,820	2,760	2,650
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(4)	kW	88,72	101,3	114,2	129,7	161,5	184,8	131,9	154,0	177,6	198,4
Total power input	(4)	kW	31,71	33,98	38,97	44,60	56,67	66,06	47,54	53,71	63,45	73,62
Desuperheater heating capacity	(4)	kW	25,42	28,24	32,49	35,63	46,91	52,95	37,72	44,58	50,86	58,33
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow	(1)	l/s	4,089	4,669	5,262	5,978	7,445	8,518	6,080	7,098	8,188	9,143
Pressure drop at the heat exchanger	(1)	kPa	25,7	25,3	25,4	25,4	25,6	26,3	25,6	27,0	25,7	26,1
HEAT RECOVERY EX. USER SIDE												
Water flow	(4)	l/s	1,227	1,363	1,568	1,720	2,264	2,556	1,821	2,152	2,455	2,816
Pressure drop at the heat exchanger	(4)	kPa	11,1	13,7	10,6	12,8	14,7	13,9	17,8	24,9	22,1	29,1
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	4	4	4	4
Number of capacity steps		N°	2	2	2	2	2	2	4	4	4	4
No. Circuits		N°	1	1	1	1	1	1	2	2	2	2
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	50	50	50	50	50	50	25	25	25	25
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	12,0	14,1	14,8	18,6	20,0	23,5	21,0	22,3	26,3	28,4
Oil charge		kg	8,90	10,3	12,6	15,0	13,9	13,9	14,3	14,9	17,7	20,5
FANS												
Quantity		N°	3	3	3	4	4	6	4	4	6	6
Air flow		m³/s	8,89	10,56	11,11	12,50	15,83	18,06	13,06	15,28	17,78	19,44
Available static pressure		Pa	120	120	120	120	120	120	120	120	120	120
Fans power input		kW	1,41	1,15	1,28	1,52	1,49	1,47	1,69	1,38	1,41	1,76
NOISE LEVEL												
Sound power level in cooling	(5)(6)	dB(A)	89	84	85	91	88	92	92	87	92	94
SIZE AND WEIGHT												
A	(7)	mm	2480	2980	2980	3970	3970	4670	3970	3970	4670	4670
B	(7)	mm	1100	1260	1260	1260	1260	1260	1260	1260	1260	1260
H	(7)	mm	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
Operating weight	(7)	kg	890	1080	1110	1290	1380	1560	1250	1350	1640	1780

Notes:

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

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

3 Values in compliance with EN14511

4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.

5 Total sound power of fans, as declared by the manufacturer, at the rated speed of rotation and a nominal available static pressure on the delivery side.

6 Sound power level in cooling, outdoors.

7 Unit in standard configuration, without optional accessories.

- Not available

Data certified in EUROVENT

GENERAL TECHNICAL DATA

NX-C / K

[SI System]

NX-C / K			0904	1004	1104	1204
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE						
COOLING ONLY (GROSS VALUE)						
Cooling capacity	(1)	kW	220,1	245,7	281,7	291,1
Total power input	(1)	kW	80,49	91,18	101,8	115,2
EER	(1)	kW/kW	2,734	2,694	2,767	2,527
COOLING ONLY (EN14511 VALUE)						
Cooling capacity	(2)(3)	kW	219,7	245,4	281,4	290,8
EER	(2)(3)	kW/kW	2,890	2,840	2,900	2,630
COOLING WITH PARTIAL RECOVERY						
Cooling capacity	(4)	kW	228,3	254,9	292,2	302,1
Total power input	(4)	kW	77,95	88,31	98,54	111,5
Desuperheater heating capacity	(4)	kW	64,78	73,14	82,10	94,12
EXCHANGERS						
HEAT EXCHANGER USER SIDE IN COOLING						
Water flow	(1)	l/s	10,52	11,75	13,47	13,92
Pressure drop at the heat exchanger	(1)	kPa	26,1	26,1	23,5	25,1
HEAT RECOVERY EX. USER SIDE						
Water flow	(4)	l/s	3,127	3,531	3,963	4,543
Pressure drop at the heat exchanger	(4)	kPa	21,0	26,8	33,8	29,4
REFRIGERANT CIRCUIT						
Compressors nr.		N°	4	4	4	4
Number of capacity steps		N°	4	4	4	4
No. Circuits		N°	2	2	2	2
Regulation			STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	25	25	25	25
Refrigerant			R410A	R410A	R410A	R410A
Refrigerant charge		kg	32,3	34,6	86,0	86,0
Oil charge		kg	25,2	29,9	28,8	28,8
FANS						
Quantity		N°	6	6	6	6
Air flow		m³/s	22,50	24,17	24,17	24,17
Available static pressure		Pa	120	120	120	120
Fans power input		kW	1,32	1,54	1,63	1,63
NOISE LEVEL						
Sound power level in cooling	(5)(6)	dB(A)	88	90	90	90
SIZE AND WEIGHT						
A	(7)	mm	5670	5670	5670	5670
B	(7)	mm	1260	1260	1260	1260
H	(7)	mm	2100	2100	2100	2100
Operating weight	(7)	kg	2060	2140	2530	2580

Notes:

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

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

3 Values in compliance with EN14511

4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.

5 Total sound power of fans, as declared by the manufacturer, at the rated speed of rotation and a nominal available static pressure on the delivery side.

6 Sound power level in cooling, outdoors.

7 Unit in standard configuration, without optional accessories.

- Not available

Data certified in EUROVENT

GENERAL TECHNICAL DATA

NX-C / SL-K

[SI System]

NX-C / SL-K			0072	0092	0102	0122	0152	0182	0202	0232	0272	0302
Power supply			V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50									
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	65,37	73,49
Total power input	(1)	kW	6,300	8,240	9,400	11,13	13,06	14,97	17,86	20,56	23,43	26,82
EER	(1)	kW/kW	2,762	2,658	2,723	2,640	2,863	2,960	2,860	2,757	2,795	2,743
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(2)(3)	kW	17,40	21,80	25,60	29,20	37,40	44,30	51,10	56,70	65,30	73,40
EER	(2)(3)	kW/kW	2,960	2,810	2,870	2,760	3,050	3,170	3,040	2,920	2,950	2,880
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(4)	kW	18,08	22,71	26,58	30,38	38,89	46,07	53,12	58,96	67,82	76,25
Total power input	(4)	kW	6,095	7,970	9,088	10,76	12,64	14,48	17,28	19,89	22,67	25,93
Desuperheater heating capacity	(4)	kW	5,231	6,873	7,944	9,453	10,84	12,43	14,84	17,15	19,33	22,68
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow	(1)	l/s	0,834	1,047	1,225	1,400	1,792	2,123	2,448	2,718	3,126	3,514
Pressure drop at the heat exchanger	(1)	kPa	23,9	23,1	23,5	23,9	25,9	23,8	24,8	24,5	24,2	24,5
HEAT RECOVERY EX. USER SIDE												
Water flow	(4)	l/s	0,252	0,332	0,383	0,456	0,523	0,600	0,717	0,828	0,933	1,095
Pressure drop at the heat exchanger	(4)	kPa	3,13	5,41	7,23	10,2	4,91	6,46	9,22	12,3	9,38	12,9
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	2	2	2	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	50	50	50	50	50	50	50	50	50	50
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	3,50	3,70	6,80	7,00	7,30	8,30	9,20	9,40	11,6	12,0
Oil charge		kg	2,70	2,70	2,70	3,30	3,90	5,50	5,50	6,30	7,30	7,40
FANS												
Quantity		N°	2	2	2	2	2	3	3	3	3	3
Air flow		m³/s	1,81	2,08	2,22	2,36	3,61	4,44	4,86	5,14	6,11	6,39
Available static pressure		Pa	120	120	120	120	120	120	120	120	120	120
Fans power input		kW	0,22	0,27	0,25	0,27	0,46	0,35	0,41	0,45	0,59	0,47
NOISE LEVEL												
Sound power level in cooling	(5)(6)	dB(A)	68	71	71	73	76	74	76	77	81	74
SIZE AND WEIGHT												
A	(7)	mm	1500	1500	2480	2480	2480	2480	2480	2480	2980	2980
B	(7)	mm	900	900	1100	1100	1100	1100	1100	1100	1260	1260
H	(7)	mm	1910	1910	2100	2100	2100	2100	2100	2100	2100	2100
Operating weight	(7)	kg	450	450	690	700	730	790	790	810	930	980

Notes:

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

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

3 Values in compliance with EN14511

4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.

5 Total sound power of fans, as declared by the manufacturer, at the rated speed of rotation and a nominal available static pressure on the delivery side.

6 Sound power level in cooling, outdoors.

7 Unit in standard configuration, without optional accessories.

- Not available

Data certified in EUROVENT

GENERAL TECHNICAL DATA

NX-C / SL-K

[SI System]

NX-C / SL-K			0352	0402	0452	0502	0552	0602	0524	0604	0704	0804
Power supply			V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50									
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	kW	82,99	94,78	106,9	122,4	136,4	150,5	124,0	144,5	166,2	185,1
Total power input	(1)	kW	31,41	34,89	39,99	44,04	51,56	58,94	46,78	55,19	62,85	72,35
EER	(1)	kW/kW	2,643	2,716	2,672	2,782	2,643	2,555	2,650	2,618	2,642	2,557
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(2)(3)	kW	82,90	94,60	106,7	122,2	136,2	150,2	123,8	144,3	165,9	184,8
EER	(2)(3)	kW/kW	2,770	2,860	2,800	2,920	2,770	2,670	2,780	2,740	2,770	2,670
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(4)	kW	86,10	98,33	110,9	127,0	141,5	156,1	128,6	149,9	172,4	192,0
Total power input	(4)	kW	30,37	33,73	38,66	42,60	49,87	57,01	45,24	53,37	60,76	69,95
Desuperheater heating capacity	(4)	kW	26,59	29,57	33,98	36,81	43,17	49,29	39,15	46,34	53,21	61,31
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow	(1)	l/s	3,969	4,533	5,111	5,852	6,521	7,196	5,929	6,911	7,946	8,851
Pressure drop at the heat exchanger	(1)	kPa	24,2	23,9	23,9	24,4	24,4	23,9	24,3	25,6	24,2	24,5
HEAT RECOVERY EX. USER SIDE												
Water flow	(4)	l/s	1,284	1,427	1,640	1,777	2,084	2,379	1,890	2,237	2,568	2,960
Pressure drop at the heat exchanger	(4)	kPa	12,1	15,0	11,6	13,7	12,4	16,2	19,2	26,9	24,2	32,1
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	4	4	4	4
Number of capacity steps		N°	2	2	2	2	2	2	4	4	4	4
No. Circuits		N°	1	1	1	1	1	1	2	2	2	2
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	50	50	50	50	50	50	25	25	25	25
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	12,8	16,8	17,3	18,6	19,2	21,1	21,0	23,1	27,6	29,7
Oil charge		kg	8,90	10,3	12,6	15,0	14,4	13,9	14,3	14,9	17,7	20,5
FANS												
Quantity		N°	3	4	4	4	4	6	4	4	6	6
Air flow		m³/s	6,94	8,06	8,61	10,83	11,67	12,22	11,11	12,22	13,89	15,00
Available static pressure		Pa	120	120	120	120	120	120	120	120	120	120
Fans power input		kW	0,54	0,44	0,48	0,70	0,80	0,62	0,73	0,82	0,54	0,61
NOISE LEVEL												
Sound power level in cooling	(5)(6)	dB(A)	76	74	75	80	82	84	81	83	79	80
SIZE AND WEIGHT												
A	(7)	mm	2980	3970	3970	3970	3970	4670	3970	4670	5670	5670
B	(7)	mm	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260
H	(7)	mm	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
Operating weight	(7)	kg	1060	1220	1380	1400	1430	1610	1370	1550	1960	2110

Notes:

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

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

3 Values in compliance with EN14511

4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.

5 Total sound power of fans, as declared by the manufacturer, at the rated speed of rotation and a nominal available static pressure on the delivery side.

6 Sound power level in cooling, outdoors.

7 Unit in standard configuration, without optional accessories.

- Not available

Data certified in EUROVENT

GENERAL TECHNICAL DATA

NX-C / SL-K

[SI System]

NX-C / SL-K		0904	1004
Power supply		V/ph/Hz	400/3/50 400/3/50
PERFORMANCE			
COOLING ONLY (GROSS VALUE)			
Cooling capacity	(1)	kW	222,3 243,4
Total power input	(1)	kW	77,39 88,51
EER	(1)	kW/kW	2,872 2,750
COOLING ONLY (EN14511 VALUE)			
Cooling capacity	(2)(3)	kW	221,9 243,0
EER	(2)(3)	kW/kW	3,020 2,870
COOLING WITH PARTIAL RECOVERY			
Cooling capacity	(4)	kW	230,6 252,5
Total power input	(4)	kW	74,89 85,63
Desuperheater heating capacity	(4)	kW	63,78 73,38
EXCHANGERS			
HEAT EXCHANGER USER SIDE IN COOLING			
Water flow	(1)	l/s	10,63 11,64
Pressure drop at the heat exchanger	(1)	kPa	26,6 25,6
HEAT RECOVERY EX. USER SIDE			
Water flow	(4)	l/s	3,079 3,542
Pressure drop at the heat exchanger	(4)	kPa	20,4 27,0
REFRIGERANT CIRCUIT			
Compressors nr.		N°	4 4
Number of capacity steps		N°	4 4
No. Circuits		N°	2 2
Regulation		STEPS	STEPS
Min. capacity step		%	25 25
Refrigerant		R410A	R410A
Refrigerant charge		kg	82,6 84,3
Oil charge		kg	25,2 29,9
FANS			
Quantity		N°	6 6
Air flow		m³/s	19,17 19,72
Available static pressure		Pa	120 120
Fans power input		kW	0,99 1,05
NOISE LEVEL			
Sound power level in cooling	(5)(6)	dB(A)	86 86
SIZE AND WEIGHT			
A	(7)	mm	5670 5670
B	(7)	mm	1260 1260
H	(7)	mm	2100 2100
Operating weight	(7)	kg	2550 2600

Notes:

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

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

3 Values in compliance with EN14511

4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.

5 Total sound power of fans, as declared by the manufacturer, at the rated speed of rotation and a nominal available static pressure on the delivery side.

6 Sound power level in cooling, outdoors.

7 Unit in standard configuration, without optional accessories.

- Not available

Data certified in EUROVENT

GENERAL TECHNICAL DATA

NX-C / A

[SI System]

NX-C / A			0072	0092	0102	0122	0152	0182	0202	0232	0272	0302
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
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	67,76	77,18
Total power input	(1)	kW	6,180	8,070	9,080	10,82	13,12	14,97	17,79	20,44	23,65	26,20
EER	(1)	kW/kW	2,929	2,838	3,018	2,926	2,962	3,067	2,978	2,902	2,873	2,947
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(2)(3)	kW	18,10	22,90	27,30	31,60	38,70	45,90	52,90	59,10	67,60	77,00
EER	(2)(3)	kW/kW	3,220	3,080	3,300	3,170	3,200	3,370	3,230	3,110	3,080	3,170
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(4)	kW	18,79	23,77	28,42	32,83	40,29	47,73	55,04	61,39	70,30	80,07
Total power input	(4)	kW	5,990	7,822	8,808	10,50	12,72	14,51	17,24	19,81	22,93	25,37
Desuperheater heating capacity	(4)	kW	4,856	6,329	6,945	8,194	10,23	11,70	13,98	16,08	18,27	21,06
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow	(1)	l/s	0,866	1,096	1,310	1,513	1,857	2,200	2,537	2,830	3,240	3,691
Pressure drop at the heat exchanger	(1)	kPa	25,8	25,3	26,8	27,9	27,8	25,5	26,6	26,6	26,0	27,1
HEAT RECOVERY EX. USER SIDE												
Water flow	(4)	l/s	0,234	0,305	0,335	0,396	0,494	0,565	0,675	0,776	0,882	1,016
Pressure drop at the heat exchanger	(4)	kPa	2,70	4,59	5,52	7,69	4,38	5,73	8,18	10,8	8,38	11,1
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity steps		N°	2	2	2	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	50	50	50	50	50	50	50	50	50	50
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	3,50	3,70	6,80	7,00	7,30	8,30	9,20	9,40	11,6	12,0
Oil charge		kg	2,70	2,70	2,70	3,30	3,90	5,50	5,50	6,30	7,30	7,40
FANS												
Quantity		N°	2	2	2	2	2	3	3	3	3	3
Air flow		m³/s	2,50	2,92	3,75	4,17	4,86	6,11	6,53	6,94	8,06	9,17
Available static pressure		Pa	120	120	120	120	120	120	120	120	120	120
Fans power input		kW	0,37	0,49	0,65	0,82	0,83	0,62	0,71	0,81	1,06	0,87
NOISE LEVEL												
Sound power level in cooling	(5)(6)	dB(A)	74	78	84	86	83	81	82	84	87	82
SIZE AND WEIGHT												
A	(7)	mm	1500	1500	2480	2480	2480	2480	2480	2480	2980	2980
B	(7)	mm	900	900	1100	1100	1100	1100	1100	1100	1260	1260
H	(7)	mm	1910	1910	2100	2100	2100	2100	2100	2100	2100	2100
Operating weight	(7)	kg	450	450	690	700	730	790	790	810	930	980

Notes:

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

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

3 Values in compliance with EN14511

4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.

5 Total sound power of fans, as declared by the manufacturer, at the rated speed of rotation and a nominal available static pressure on the delivery side.

6 Sound power level in cooling, outdoors.

7 Unit in standard configuration, without optional accessories.

- Not available

Data certified in EUROVENT

GENERAL TECHNICAL DATA

NX-C / A

[SI System]

NX-C / A			0352	0402	0452	0502	0552	0602	0702	0524	0604	0704
Power supply			V/ph/Hz 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50 400/3/50									
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	kW	87,21	99,82	113,0	126,1	141,0	158,5	180,4	127,2	150,0	173,5
Total power input	(1)	kW	30,54	33,75	38,57	43,51	50,90	58,70	67,15	46,22	54,47	61,81
EER	(1)	kW/kW	2,859	2,953	2,927	2,899	2,770	2,700	2,685	2,753	2,752	2,807
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(2)(3)	kW	87,10	99,60	112,8	125,8	140,7	158,2	180,1	126,9	149,8	173,2
EER	(2)(3)	kW/kW	3,050	3,190	3,130	3,090	2,930	2,860	2,840	2,920	2,910	3,000
COOLING WITH PARTIAL RECOVERY												
Cooling capacity	(4)	kW	90,48	103,6	117,2	130,8	146,3	164,5	187,2	131,9	155,6	180,0
Total power input	(4)	kW	29,57	32,68	37,35	42,13	49,29	56,91	65,11	44,74	52,75	59,86
Desuperheater heating capacity	(4)	kW	24,66	27,27	31,18	35,16	41,08	45,65	51,96	37,72	43,87	49,82
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow	(1)	l/s	4,171	4,774	5,402	6,028	6,742	7,580	8,628	6,080	7,174	8,298
Pressure drop at the heat exchanger	(1)	kPa	26,7	26,5	26,7	25,9	26,1	26,5	27,0	25,6	27,6	26,4
HEAT RECOVERY EX. USER SIDE												
Water flow	(4)	l/s	1,191	1,316	1,505	1,697	1,983	2,204	2,508	1,821	2,118	2,405
Pressure drop at the heat exchanger	(4)	kPa	10,4	12,7	9,81	12,5	11,3	13,9	13,4	17,8	24,1	21,2
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	2	2	4	4	4
Number of capacity steps		N°	2	2	2	2	2	2	2	4	4	4
No. Circuits		N°	1	1	1	1	1	1	1	2	2	2
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	50	50	50	50	50	50	50	25	25	25
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	12,8	16,8	17,3	18,6	19,2	21,1	25,3	21,0	23,1	27,6
Oil charge		kg	8,90	10,3	12,6	15,0	14,4	13,9	13,9	14,3	14,9	17,7
FANS												
Quantity		N°	3	4	4	4	4	6	6	4	4	6
Air flow		m³/s	9,72	11,67	12,50	13,33	14,44	16,94	18,61	13,06	15,56	19,72
Available static pressure		Pa	120	120	120	120	120	120	120	120	120	120
Fans power input		kW	0,97	0,80	0,91	1,03	1,22	1,26	1,49	0,99	1,33	1,00
NOISE LEVEL												
Sound power level in cooling	(5)(6)	dB(A)	83	82	83	84	86	91	93	84	87	86
SIZE AND WEIGHT												
A	(7)	mm	2980	3970	3970	3970	3970	4670	5670	3970	4670	5670
B	(7)	mm	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260
H	(7)	mm	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
Operating weight	(7)	kg	1060	1220	1380	1400	1430	1610	1790	1370	1550	1960

Notes:

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

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

3 Values in compliance with EN14511

4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.

5 Total sound power of fans, as declared by the manufacturer, at the rated speed of rotation and a nominal available static pressure on the delivery side.

6 Sound power level in cooling, outdoors.

7 Unit in standard configuration, without optional accessories.

- Not available

Data certified in EUROVENT

GENERAL TECHNICAL DATA

NX-C / A

[SI System]

NX-C / A		0804	0904	1004
Power supply		V/ph/Hz	400/3/50	400/3/50
PERFORMANCE				
COOLING ONLY (GROSS VALUE)				
Cooling capacity	(1)	kW	193,4	225,0
Total power input	(1)	kW	70,18	77,69
EER	(1)	kW/kW	2,755	2,896
COOLING ONLY (EN14511 VALUE)				
Cooling capacity	(2)(3)	kW	193,1	224,6
EER	(2)(3)	kW/kW	2,920	3,060
COOLING WITH PARTIAL RECOVERY				
Cooling capacity	(4)	kW	200,7	233,4
Total power input	(4)	kW	67,93	75,25
Desuperheater heating capacity	(4)	kW	57,29	62,28
EXCHANGERS				
HEAT EXCHANGER USER SIDE IN COOLING				
Water flow	(1)	l/s	9,249	10,76
Pressure drop at the heat exchanger	(1)	kPa	26,7	27,3
HEAT RECOVERY EX. USER SIDE				
Water flow	(4)	l/s	2,765	3,006
Pressure drop at the heat exchanger	(4)	kPa	28,0	19,4
REFRIGERANT CIRCUIT				
Compressors nr.		N°	4	4
Number of capacity steps		N°	4	4
No. Circuits		N°	2	2
Regulation			STEPS	STEPS
Min. capacity step		%	25	25
Refrigerant			R410A	R410A
Refrigerant charge		kg	29,7	82,6
Oil charge		kg	20,5	25,2
FANS				
Quantity		N°	6	6
Air flow		m³/s	19,72	21,94
Available static pressure		Pa	120	120
Fans power input		kW	1,00	1,32
NOISE LEVEL				
Sound power level in cooling	(5)(6)	dB(A)	86	88
SIZE AND WEIGHT				
A	(7)	mm	5670	5670
B	(7)	mm	1260	1260
H	(7)	mm	2100	2100
Operating weight	(7)	kg	2110	2550

Notes:

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

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

3 Values in compliance with EN14511

4 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,00°C/45,00°C.

5 Total sound power of fans, as declared by the manufacturer, at the rated speed of rotation and a nominal available static pressure on the delivery side.

6 Sound power level in cooling, outdoors.

7 Unit in standard configuration, without optional accessories.

- Not available

Data certified in EUROVENT