

4.1 GENERAL TECHNICAL DATA

NX-W

[SI System]

NX-W			0122	0152	0182	0202	0252	0262	0302	0352	0402	0452
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	38,1	47,7	56,2	65,3	72,3	82,3	96,7	111	126	142
Total power input	(1)	kW	7,53	9,31	10,8	12,6	13,8	16,0	18,9	21,7	24,5	27,7
EER	(1)	kW/kW	5,06	5,12	5,20	5,18	5,24	5,14	5,12	5,13	5,15	5,12
ESEER	(1)	kW/kW	6,46	6,76	6,42	6,47	6,72	6,41	6,49	6,63	6,34	6,47
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(1)(2)	kW	37,9	47,5	55,9	65,1	72,0	82,0	96,4	111	126	141
EER	(1)(2)	kW/kW	4,85	4,89	4,96	4,96	5,01	4,96	4,94	4,96	4,98	4,96
ESEER	(1)(2)	kW/kW	5,89	6,10	5,81	5,93	6,12	5,95	6,04	6,13	5,95	6,04
Cooling energy class			B	B	B	B	B	B	B	B	B	B
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Water flow	(1)	l/s	1,82	2,28	2,69	3,12	3,46	3,94	4,62	5,33	6,03	6,78
Pressure drop	(1)	kPa	21,6	26,6	26,7	21,8	21,6	21,8	22,7	22,9	23,1	23,8
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Water flow	(1)	l/s	2,18	2,72	3,19	3,71	4,11	4,68	5,50	6,34	7,17	8,07
Pressure drop	(1)	kPa	11,8	15,7	18,1	20,6	23,1	13,5	14,2	14,6	15,4	15,9
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	3,80	4,20	5,00	5,50	6,10	8,60	10,0	11,6	13,1	14,8
Oil charge		kg	3,50	3,50	5,00	5,00	6,50	6,50	6,80	8,10	9,30	11,5
Rc (ASHRAE)	(3)	kg/kW	0,10	0,09	0,09	0,09	0,09	0,11	0,11	0,11	0,11	0,11
NOISE LEVEL												
Sound Pressure	(4)	dB(A)	57	57	58	58	58	59	60	60	60	61
Sound power level in cooling	(5)(6)	dB(A)	73	73	74	74	74	75	76	77	77	78
SIZE AND WEIGHT												
A	(7)	mm	1225	1225	1225	1225	1225	1225	1225	1570	1570	1570
B	(7)	mm	885	885	885	885	885	885	885	885	885	885
H	(7)	mm	1495	1495	1495	1495	1495	1495	1495	1805	1805	1805
Operating weight	(7)	kg	360	360	390	410	440	480	520	660	740	790

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,0°C/7,0°C; Source (side) heat exchanger water (in/out) 30,0°C/35,0°C.
- 2 Values in compliance with EN14511-3:2013.
- 3 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 4 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 5 Sound power on the basis of measurements made in compliance with ISO 9614.
- 6 Sound power level in cooling, indoors.
- 7 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

NX-W

[SI System]

NX-W			0502	0552	0602	0702	0802	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	400/3/50	400/3/50	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	kW	157	181	204	231	254	192	221	250	281	313
Total power input	(1)	kW	30,9	35,2	39,6	45,2	51,2	38,3	43,9	49,6	56,1	62,5
EER	(1)	kW/kW	5,10	5,14	5,16	5,10	4,97	5,01	5,03	5,04	5,01	5,00
ESEER	(1)	kW/kW	6,32	6,42	6,42	6,50	6,06	6,60	6,64	6,58	6,64	6,53
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(1)(2)	kW	157	181	204	230	253	191	220	249	281	312
EER	(1)(2)	kW/kW	4,93	4,98	5,00	4,93	4,79	4,88	4,91	4,91	4,88	4,86
ESEER	(1)(2)	kW/kW	5,92	6,00	6,01	6,03	5,63	6,14	6,16	6,12	6,13	6,02
Cooling energy class			B	B	B	B	B	B	B	B	B	B
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Water flow	(1)	l/s	7,53	8,66	9,78	11,02	12,16	9,17	10,57	11,96	13,45	14,95
Pressure drop	(1)	kPa	24,4	24,9	25,5	30,7	37,4	17,1	18,1	20,0	21,3	24,9
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Water flow	(1)	l/s	8,97	10,30	11,63	13,14	14,55	10,96	12,62	14,27	16,07	17,87
Pressure drop	(1)	kPa	18,5	18,3	21,0	23,5	28,8	16,2	17,4	19,6	22,0	24,8
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	2	2	4	4	4	4	4
Number of capacity steps		N°	2	2	2	2	2	4	4	4	4	4
No. Circuits		N°	1	1	1	1	1	2	2	2	2	2
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	50	50	50	50	50	25	25	25	25	25
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	15,7	18,8	21,4	22,4	22,4	19,3	22,5	25,3	28,8	41,1
Oil charge		kg	13,6	13,1	12,6	12,6	12,6	13,5	16,1	18,7	22,9	27,2
Rc (ASHRAE)	(3)	kg/kW	0,10	0,11	0,11	0,10	0,09	0,10	0,10	0,10	0,10	0,13
NOISE LEVEL												
Sound Pressure	(4)	dB(A)	61	62	62	65	66	69	70	71	72	73
Sound power level in cooling	(5)(6)	dB(A)	78	79	79	82	83	86	87	88	89	90
SIZE AND WEIGHT												
A	(7)	mm	1570	1570	1570	1570	1570	2210	2210	2650	2650	2650
B	(7)	mm	885	885	885	885	885	885	885	885	885	885
H	(7)	mm	1805	1805	1805	1805	1805	1805	1805	1805	1805	1805
Operating weight	(7)	kg	820	870	920	940	960	870	1050	1240	1330	1530

Notes:

1 Plant (side) cooling exchanger water (in/out) 12,0°C/7,0°C; Source (side) heat exchanger water (in/out) 30,0°C/35,0°C.

2 Values in compliance with EN14511-3:2013.

3 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).

4 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

5 Sound power on the basis of measurements made in compliance with ISO 9614.

6 Sound power level in cooling, indoors.

7 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

NX-W

[SI System]

NX-W		1104	1204
Power supply		V/ph/Hz 400/3/50	400/3/50
PERFORMANCE			
COOLING ONLY (GROSS VALUE)			
Cooling capacity	(1)	kW	359 398
Total power input	(1)	kW	71,3 80,0
EER	(1)	kW/kW	5,04 4,98
ESEER	(1)	kW/kW	6,61 6,57
COOLING ONLY (EN14511 VALUE)			
Cooling capacity	(1)(2)	kW	358 397
EER	(1)(2)	kW/kW	4,89 4,81
ESEER	(1)(2)	kW/kW	6,03 5,96
Cooling energy class		B	B
EXCHANGERS			
HEAT EXCHANGER USER SIDE IN REFRIGERATION			
Water flow	(1)	l/s	17,18 19,05
Pressure drop	(1)	kPa	28,2 34,7
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION			
Water flow	(1)	l/s	20,51 22,78
Pressure drop	(1)	kPa	30,0 36,2
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	47,0 49,0
Oil charge		kg	26,2 25,2
Rc (ASHRAE)	(3)	kg/kW	0,13 0,13
NOISE LEVEL			
Sound Pressure	(4)	dB(A)	74 74
Sound power level in cooling	(5)(6)	dB(A)	91 91
SIZE AND WEIGHT			
A	(7)	mm	2650 2650
B	(7)	mm	885 885
H	(7)	mm	1805 1805
Operating weight	(7)	kg	1630 1710

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,0°C/7,0°C; Source (side) heat exchanger water (in/out) 30,0°C/35,0°C.
- 2 Values in compliance with EN14511-3:2013.
- 3 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 4 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 5 Sound power on the basis of measurements made in compliance with ISO 9614.
- 6 Sound power level in cooling, indoors.
- 7 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT