

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										
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		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	4	4	5	6	6	9	10	12	13	15
Oil charge		kg	4	4	5	5	7	7	7	8	9	12
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