

4.1 GENERAL TECHNICAL DATA

i-NX

[SI System]

i-NX		0151P	0182P	0202P	0262P	0302P	0352P	0402P	0502P	
Power supply		V/ph/Hz 400/3+N/50 400/3+N/50 400/3+N/50 400/3+N/50 400/3+N/50 400/3/50 400/3/50 400/3/50								
PERFORMANCE										
COOLING ONLY (GROSS VALUE)										
Cooling capacity	(1)	kW	43,9	52,9	63,1	72,1	83,8	101	120	129
Total power input	(1)	kW	15,7	18,8	21,4	25,0	29,2	35,2	41,9	46,8
EER	(1)	kW/kW	2,80	2,81	2,95	2,88	2,87	2,87	2,86	2,76
ESEER	(1)	kW/kW	4,56	4,55	4,51	4,54	4,51	4,66	4,58	4,53
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2)	kW	43,6	52,6	62,7	71,7	83,4	100	119	129
EER	(1)(2)	kW/kW	2,73	2,75	2,88	2,82	2,82	2,82	2,80	2,72
ESEER	(1)(2)	kW/kW	4,27	4,19	4,17	4,23	4,24	4,36	4,27	4,25
Cooling energy class		C	C	C	C	C	C	C	C	C
COOLING WITH PARTIAL RECOVERY										
Cooling capacity	(3)	kW	45,5	54,8	65,5	74,8	87,0	105	124	134
Total power input	(3)	kW	15,2	18,2	20,7	24,1	28,2	34,0	40,6	45,3
Desuperheater heating capacity	(3)	kW	13,3	15,7	17,7	20,9	24,4	29,3	33,8	38,2
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1)	l/s	2,10	2,53	3,02	3,45	4,01	4,82	5,73	6,18
Pressure drop	(1)	kPa	37,2	41,2	42,3	39,4	35,0	36,2	42,9	38,9
PARTIAL RECOVERY USER SIDE IN REFRIGERATION										
Water flow	(3)	l/s	0,64	0,76	0,86	1,01	1,18	1,41	1,63	1,85
Pressure drop	(3)	kPa	9,46	13,1	16,8	11,5	15,7	22,5	21,2	27,1
REFRIGERANT CIRCUIT										
Compressors nr.		N°	1	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	30	22	19	22	19	23	20	18
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	7,00	7,20	8,90	9,40	9,50	12,5	12,9	13,5
Oil charge		kg	3,50	6,10	6,40	6,70	7,00	13,4	13,4	13,4
Rc (ASHRAE)	(4)	kg/kW	0,16	0,14	0,14	0,13	0,11	0,13	0,11	0,11
FANS										
Quantity		N°	4	4	5	5	6	2	2	2
Air flow		m³/s	3,77	5,07	6,57	6,57	7,66	9,08	11,53	11,53
Fans power input		kW	0,20	0,30	0,30	0,30	0,30	1,20	2,00	2,00
NOISE LEVEL										
Sound Pressure	(5)	dB(A)	51	52	53	53	54	55	57	57
Sound power level in cooling	(6)(7)	dB(A)	83	84	85	85	86	87	89	89
SIZE AND WEIGHT										
A	(8)	mm	2000	2000	2625	2625	2625	3250	3250	3250
B	(8)	mm	1350	1350	1350	1350	1350	1350	1350	1350
H	(8)	mm	2070	2070	2070	2070	2070	2170	2170	2170
Operating weight	(8)	kg	600	660	750	780	810	1060	1070	1080

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,0°C/7,0°C; Source (side) heat exchanger air (in) 35,0°C.
- 2 Values in compliance with EN14511-3:2013.
- 3 Plant (side) cooling exchanger water (in/out) 12,0°C/7,0°C; Source (side) heat exchanger air (in) 35,0°C; Plant (side) heat exchanger recovery water (in/out) 40,0°C/45,0°C.
- 4 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 5 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
- 6 Sound power on the basis of measurements made in compliance with ISO 9614.
- 7 Sound power level in cooling, outdoors.
- 8 Unit in standard configuration/execution, without optional accessories.

- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

i-NX / SL

[SI System]

i-NX / SL		0151P	0182P	0202P	0262P	0302P	0352P	0402P	0502P	
Power supply	V/ph/Hz	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3/50	400/3/50	400/3/50	400/3/50	
PERFORMANCE										
COOLING ONLY (GROSS VALUE)										
Cooling capacity	(1)	kW	42,6	51,2	60,1	68,1	81,2	96,7	115	124
Total power input	(1)	kW	14,4	17,8	20,9	24,5	28,3	33,9	39,3	44,3
EER	(1)	kW/kW	2,96	2,88	2,88	2,78	2,87	2,85	2,93	2,81
ESEER	(1)	kW/kW	4,48	4,58	4,49	4,55	4,54	4,75	4,78	4,70
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2)	kW	42,3	50,9	59,8	67,7	80,8	96,3	115	124
EER	(1)(2)	kW/kW	2,89	2,81	2,81	2,73	2,82	2,80	2,88	2,76
ESEER	(1)(2)	kW/kW	4,21	4,26	4,20	4,25	4,26	4,48	4,50	4,43
Cooling energy class		C	C	C	C	C	C	C	C	C
COOLING WITH PARTIAL RECOVERY										
Cooling capacity	(3)	kW	44,2	53,1	62,3	70,6	84,3	100	119	129
Total power input	(3)	kW	13,9	17,2	20,2	23,6	27,3	32,8	38,0	42,8
Desuperheater heating capacity	(3)	kW	12,0	15,0	17,6	20,8	23,6	28,3	33,0	37,5
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1)	l/s	2,04	2,45	2,87	3,26	3,88	4,62	5,50	5,95
Pressure drop	(1)	kPa	35,1	38,7	38,3	35,2	32,9	33,2	39,6	36,0
PARTIAL RECOVERY USER SIDE IN REFRIGERATION										
Water flow	(3)	l/s	0,58	0,72	0,85	1,00	1,14	1,37	1,59	1,81
Pressure drop	(3)	kPa	7,63	12,0	16,5	11,3	14,7	21,1	20,2	26,0
REFRIGERANT CIRCUIT										
Compressors nr.		N°	1	2	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1	1
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	30	23	20	23	20	24	21	19
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	8,10	8,30	8,70	9,20	11,8	12,3	14,7	15,2
Oil charge		kg	3,50	6,10	6,40	6,70	7,00	13,4	13,4	13,4
Rc (ASHRAE)	(4)	kg/kW	0,19	0,16	0,15	0,14	0,15	0,13	0,13	0,12
FANS										
Quantity		N°	5	5	6	6	2	2	2	2
Air flow		m³/s	4,28	5,03	5,73	5,73	7,37	8,41	10,47	10,47
Fans power input		kW	0,20	0,20	0,20	0,20	0,90	1,10	1,15	1,15
NOISE LEVEL										
Sound Pressure	(5)	dB(A)	45	45	46	46	47	48	50	50
Sound power level in cooling	(6)(7)	dB(A)	77	77	78	78	79	80	82	82
SIZE AND WEIGHT										
A	(8)	mm	2625	2625	2625	2625	3250	3250	3875	3875
B	(8)	mm	1350	1350	1350	1350	1350	1350	1350	1350
H	(8)	mm	2070	2070	2070	2070	2170	2170	2170	2170
Operating weight	(8)	kg	700	760	790	820	980	1090	1180	1200

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,0°C/7,0°C; Source (side) heat exchanger air (in) 35,0°C.
- 2 Values in compliance with EN14511-3:2013.
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