

5.1 GENERAL TECHNICAL DATA

NX2-G06

[SI System]

NX2-G06			0184P	0214P	0244P	0264P	0294P	0334P	0374P
Power supply			V/ph/Hz						
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	kW	168,4	197,5	226,2	250,7	280,0	313,1	345,8
Total power input	(1)	kW	49,44	58,24	68,66	77,32	81,59	93,64	106,6
EER	(1)	kW/kW	3,409	3,393	3,293	3,243	3,431	3,345	3,244
ESEER	(1)	kW/kW							
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(2)(3)	kW	168,1	197,2	225,8	250,4	279,7	312,8	345,4
EER	(2)(3)	kW/kW	3,350	3,340	3,240	3,200	3,380	3,300	3,200
ESEER	(2)(3)	kW/kW	-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY									
Cooling capacity	(4)	kW	174,7	204,9	234,6	260,1	290,5	324,9	358,8
Total power input	(4)	kW	47,91	56,40	66,45	74,81	79,02	90,66	103,2
Desuperheater heating capacity	(4)	kW	39,13	46,99	56,29	64,02	65,33	76,09	87,64
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
Water flow	(1)	l/s	8,052	9,444	10,81	11,99	13,39	14,97	16,54
Pressure drop at the heat exchanger	(2)	kPa	42,7	44,3	46,7	46,6	42,8	39,8	48,5
PARTIAL RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(4)	l/s	1,889	2,268	2,717	3,090	3,153	3,673	4,231
Pressure drop at the heat exchanger	(4)	kPa	14,6	21,0	30,1	30,9	32,2	35,0	46,4
REFRIGERANT CIRCUIT									
Compressors nr.		N°	4	4	4	4	4	4	4
Number of capacity steps		N°	4	4	4	4	4	4	4
No. Circuits		N°	2	2	2	2	2	2	2
Regulation			STEPS	STEPS	STEPS	STEPS	STEPS	STEPS	STEPS
Min. capacity step		%	25	25	25	25	25	25	25
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B
Refrigerant charge		kg	30,1	31,9	37,5	37,6	47,5	51,8	51,9
Oil charge		kg	14,4	19,4	24,4	24,4	24,4	24,4	24,4
Rc (ASHRAE)	(5)	kg/kW	0,18	0,16	0,17	0,15	0,17	0,17	0,15
FANS									
Quantity		N°	4	4	4	4	6	6	6
Air flow		m³/s	18,89	18,89	18,89	18,89	28,34	28,34	28,34
Fans power input		kW	1,40	1,40	1,40	1,40	1,40	1,40	1,40
NOISE LEVEL									
Sound Pressure	(6)	dB(A)	54	54	55	55	56	58	59
Sound power level in cooling	(7)(8)	dB(A)	86	86	87	87	88	90	91
SIZE AND WEIGHT									
A	(9)	mm	3160	3160	3160	3160	4335	4335	4335
B	(9)	mm	2250	2250	2250	2250	2250	2250	2250
H	(9)	mm	2290	2290	2290	2290	2290	2290	2290
Operating weight	(9)	kg	1620	1640	1850	1880	2230	2260	2470

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 Rated in accordance with AHRI Standard 550/590

6 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.

7 Sound power on the basis of measurements taken in compliance with ISO 9614.

8 Sound power level in cooling, outdoors.

9 Unit in standard configuration, without optional accessories.

- Not available

Data certified in EUROVENT

GENERAL TECHNICAL DATA

NX2-G06 + NR kit

[SI System]

NX2-G06 + NR kit			0184P	0214P	0244P	0264P	0294P	0334P	0374P
Power supply			V/ph/Hz	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	167,4	196,0	224,0	247,8	278,2	310,6	343,1
Total power input	(1)	kW	49,84	59,71	70,95	80,45	82,38	96,11	109,9
EER	(1)	kW/kW	3,361	3,283	3,155	3,082	3,376	3,232	3,122
ESEER	(1)	kW/kW							
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(2)(3)	kW	167,1	195,7	223,7	247,5	277,9	310,2	342,6
EER	(2)(3)	kW/kW	3,300	3,230	3,110	3,040	3,330	3,190	3,080
ESEER	(2)(3)	kW/kW	-	-	-	-	-	-	-
COOLING WITH PARTIAL RECOVERY									
Cooling capacity	(4)	kW	173,7	203,4	232,4	257,1	288,7	322,2	355,9
Total power input	(4)	kW	48,25	57,78	68,62	77,78	79,73	92,98	106,3
Desuperheater heating capacity	(4)	kW	40,57	49,37	59,41	67,88	67,65	79,90	92,20
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
Water flow	(1)	l/s	8,006	9,375	10,71	11,85	13,31	14,85	16,41
Pressure drop at the heat exchanger	(2)	kPa	42,2	43,6	45,8	45,5	42,2	39,2	47,8
PARTIAL RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(4)	l/s	1,958	2,383	2,868	3,277	3,265	3,857	4,451
Pressure drop at the heat exchanger	(4)	kPa	15,7	23,2	33,6	34,8	34,5	38,6	51,3
REFRIGERANT CIRCUIT									
Compressors nr.		N°	4	4	4	4	4	4	4
Number of capacity steps		N°	4	4	4	4	4	4	4
No. Circuits		N°	2	2	2	2	2	2	2
Regulation		STEPS STEPS STEPS STEPS STEPS STEPS STEPS							
Min. capacity step		%	25	25	25	25	25	25	25
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B
Refrigerant charge		kg	30,1	31,9	37,5	37,6	47,5	51,8	51,9
Oil charge		kg	14,4	19,4	24,4	24,4	24,4	24,4	24,4
Rc (ASHRAE)	(5)	kg/kW	0,18	0,16	0,17	0,15	0,17	0,17	0,15
FANS									
Quantity		N°	4	4	4	4	6	6	6
Air flow		m³/s	15,92	15,92	15,92	15,92	23,88	23,88	23,88
Fans power input		kW	1,10	1,10	1,10	1,10	1,10	1,10	1,10
NOISE LEVEL									
Sound Pressure	(6)	dB(A)	49	50	51	51	52	54	55
Sound power level in cooling	(7)(8)	dB(A)	81	82	83	83	84	86	87
SIZE AND WEIGHT									
A	(9)	mm	3160	3160	3160	3160	4335	4335	4335
B	(9)	mm	2250	2250	2250	2250	2250	2250	2250
H	(9)	mm	2290	2290	2290	2290	2290	2290	2290
Operating weight	(9)	kg	1620	1640	1850	1880	2230	2260	2470

Notes:

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

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3 Values in compliance with EN14511

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5 Rated in accordance with AHRI Standard 550/590

6 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.

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