

6 GENERAL TECHNICAL DATA

Data Book

NX-G06 0614T - 1214T_202109_EN R454B

[SI System]

NX-G06/K		0614T 0714T 0814T 0914T 1014T 1114T 1214T							
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							
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	kW	158,1	186,3	209,1	238,2	277,6	296,0	313,6
Total power input	(1)	kW	54,79	62,62	73,94	82,97	92,87	101,7	110,7
EER	(1)	kW/kW	2,885	2,976	2,829	2,870	2,988	2,911	2,833
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(2)(3)	kW	157,9	186,0	208,7	237,9	277,2	295,7	313,2
EER	(2)(3)	kW/kW	2,860	2,940	2,790	2,840	2,940	2,880	2,800
COOLING WITH PARTIAL RECOVERY									
Cooling capacity	(4)	kW	164,0	193,3	216,9	247,2	288,0	307,1	325,3
Total power input	(4)	kW	53,15	60,71	71,63	80,34	90,04	98,54	107,3
Desuperheater heating capacity	(4)	kW	41,77	48,76	58,86	66,92	72,18	80,05	88,15
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN COOLING									
Water flow	(1)	l/s	7,560	8,910	9,998	11,39	13,28	14,16	15,00
Pressure drop at the heat exchanger	(2)	kPa	21,5	29,8	46,9	41,9	56,9	35,1	39,3
PARTIAL RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(4)	l/s	2,016	2,353	2,841	3,230	3,484	3,864	4,255
Pressure drop at the heat exchanger	(4)	kPa	16,6	22,6	33,0	33,8	39,3	38,7	46,9
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		4xSTEPS	5xSTEPS	4xSTEPS	5xSTEPS	4xSTEPS	5xSTEPS	4xSTEPS	
Min. capacity step		%	25	25	25	25	25	25	25
Refrigerant			R454B	R454B	R454B	R454B	R454B	R454B	R454B
Theoretical refrigerant charge		kg	20,3	23,9	24,9	25,0	30,2	32,7	33,2
Oil charge		kg	14,4	19,4	24,4	24,4	24,4	24,4	24,4
Rc (ASHRAE)	(5)	kg/kW	0,13	0,13	0,12	0,11	0,11	0,11	0,11
FANS									
Quantity		N°	2	2	2	2	3	3	3
Air flow		m³/s	23,97	23,30	23,30	22,73	34,95	34,95	34,95
Total fans power input		kW	8,00	8,00	8,00	8,00	12,00	12,00	12,00
NOISE LEVEL									
Total sound Pressure	(6)	dB(A)	60	60	61	62	63	63	63
Total sound power level in cooling	(7)(8)	dB(A)	92	92	93	94	95	95	95
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	2170	2170	2170	2170	2170	2170	2170
Operating weight	(9)	kg	1700	1800	1910	1940	2230	2510	2620

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

Data Book

NX-G06 0614T - 1214T_202109_EN R454B

[SI System]

NX-G06/LN-K		0614T 0714T 0814T 0914T 1014T 1114T 1214T							
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							
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	kW	153,4	178,1	199,9	225,6	263,1	278,8	307,5
Total power input	(1)	kW	54,40	64,11	74,39	86,12	94,42	104,3	110,7
EER	(1)	kW/kW	2,820	2,778	2,687	2,620	2,787	2,673	2,778
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(2)(3)	kW	153,2	177,7	199,6	225,2	262,7	278,5	307,1
EER	(2)(3)	kW/kW	2,800	2,750	2,650	2,590	2,750	2,650	2,750
COOLING WITH PARTIAL RECOVERY									
Cooling capacity	(4)	kW	159,1	184,7	207,4	234,0	272,9	289,2	319,0
Total power input	(4)	kW	52,67	62,03	71,96	83,29	91,36	100,9	107,1
Desuperheater heating capacity	(4)	kW	44,28	52,94	62,12	72,23	77,85	86,64	92,39
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN COOLING									
Water flow	(1)	l/s	7,335	8,515	9,560	10,79	12,58	13,33	14,70
Pressure drop at the heat exchanger	(2)	kPa	20,2	27,2	42,9	37,5	51,1	31,1	37,8
PARTIAL RECOVERY USER SIDE IN REFRIGERATION									
Water flow	(4)	l/s	2,137	2,555	2,999	3,487	3,758	4,182	4,460
Pressure drop at the heat exchanger	(4)	kPa	18,6	26,7	36,7	39,4	45,8	45,3	51,6
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		4xSTEPS	4xSTEPS	4xSTEPS	4xSTEPS	4xSTEPS	4xSTEPS	4xSTEPS	4xSTEPS
Min. capacity step		%	25	25	25	25	25	25	25
Refrigerant		R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
Theoretical refrigerant charge		kg	20,3	23,9	24,9	25,0	30,2	32,7	33,2
Oil charge		kg	14,4	19,4	24,4	24,4	24,4	24,4	24,4
Rc (ASHRAE)	(5)	kg/kW	0,13	0,14	0,13	0,11	0,12	0,12	0,11
FANS									
Quantity		N°	4	4	4	4	6	6	6
Air flow		m³/s	17,87	17,17	16,47	17,80	25,76	25,76	24,71
Total fans power input		kW	4,80	4,80	4,80	5,20	7,20	7,20	7,20
NOISE LEVEL									
Total sound Pressure	(6)	dB(A)	54	54	55	56	57	57	58
Total sound power level in cooling	(7)(8)	dB(A)	86	86	87	88	89	89	90
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	2170	2170	2170	2170	2170	2170	2170
Operating weight	(9)	kg	1700	1800	1910	1940	2230	2510	2620

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

7 TECHNICAL DATA SEASONAL EFFICIENCY IN COOLING (EN14825 VALUE)

Data Book
NX-G06 0614T - 1214T_202109_EN R454B

[SI System]

ENERGY EFFICIENCY

SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)

Ambient refrigeration

NX-G06/K			0614T	0714T	0814T	0914T	1014T	1114T	1214T			
Prated,c	(1)	kW	157,9	186,0	208,7	237,9	277,2	295,7	313,2			
SEER	(1) (2)	-	4,10	4,28	4,15	4,30	4,19	4,19	4,11			
Performance η_s	(1) (3)	%	161,0	168,0	163,0	169,0	165,0	165,0	162,0			

NX-G06/LN-K			0614T	0714T	0814T	0914T	1014T	1114T	1214T			
Prated,c	(1)	kW	153,2	177,7	199,6	225,2	262,7	278,5	307,1			
SEER	(1) (2)	-	4,10	4,26	4,19	4,23	4,16	4,14	4,22			
Performance η_s	(1) (3)	%	161,0	167,0	165,0	166,0	163,0	163,0	166,0			

Notes:

(1) Parameter calculated according to [REGULATION (EU) N. 2016/2281]

(2) Seasonal energy efficiency ratio

(3) Seasonal space cooling energy efficiency

The units highlighted in this publication contain R454B [GWP₁₀₀ 467] fluorinated greenhouse gases.

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