

NX2 2 Compressor Air Cooled Chillers

Outdoor installation (40kW to 221kW)

The new **NX2** units are air cooled chillers with scroll compressors designed for delivering the best efficiencies in comfort applications.

The complete range is Eurovent certified and all the sizes are completely ErP2021 compliant.



Available from 40kW to 221kW in either R410A refrigerant or lower GWP R454B the NX2 is a two scroll compressor, single circuit solution. All the main hydraulic and mechanical components are integrated inside the unit, providing the ideal plug & play solution for HVAC plants within applications including hotels, offices, leisure centres, hospitals and universities.

Key Features & Benefits:

- Two scroll compressors
- ErP2021 compliant
- Low noise
- Energy efficient
- Available with either R410A refrigerant or the lower GWP R454B



NX2
Air Cooled Chillers with R410A refrigerant
(from 43 to 221 kW)



MODEL		NX2-G02 0042	NX2-G02 0052	NX2-G02 0062	NX2-G02 0072	NX2-G02 0082	NX2-G02 0092	NX2-G02 0102
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	43.01	50.98	57.39	65.18	72.35	85.58	99.35
TOTAL POWER INPUT ¹	kW	14.25	17.24	19.17	20.12	22.98	28.01	30.25
EER ¹	kW/kW	3.028	2.965	2.990	3.244	3.148	3.057	3.281
ESEER ¹	kW/kW	-	-	-	-	-	-	-
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	42.90	50.80	57.20	65.00	72.10	85.30	99.10
EER ^{1,2}	kW/kW	2.960	2.910	2.940	3.170	3.080	2.990	3.230
ESEER ^{1,2}	kW/kW	-	-	-	-	-	-	-
COOLING ENERGY CLASS								
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
PRATED,C ⁷	kW	42.9	50.8	57.2	65.0	72.1	85.3	99.1
SEER ^{7,8}	kW/kW	4.58	4.58	4.38	4.45	4.44	4.44	4.44
PERFORMANCE ηs ^{7,9}	%	180	180	172	175	175	175	175
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	2.057	2.438	2.744	3.117	3.460	4.092	4.751
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	50.4	36.7	46.5	51.9	52.0	52.1	41.5
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	2	2	2	2	2
CIRCUITS	No.	1	1	1	1	1	1	1
REFRIGERANT CHARGE	kg	8.10	8.10	8.50	10.5	10.6	11.8	13.9
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	49	50	49	51	52	52	52
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	81	82	81	83	84	84	84
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	1825	1825	1825	2395	2395	2395	2325
DEPTH (B) ⁶	mm	1195	1195	1195	1195	1195	1195	1195
HEIGHT (H) ⁶	mm	1865	1865	1865	1865	1865	1865	1980
OPERATING WEIGHT ⁶	kg	500	510	550	630	630	640	770

MODEL		NX2-G02 0112	NX2-G02 0122	NX2-G02 0142	NX2-G02 0162	NX2-G02 0182	NX2-G02 0202	NX2-G02 0222
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	110.0	123.8	137.6	161.4	184.3	196.9	221.3
TOTAL POWER INPUT ¹	kW	35.14	41.97	49.62	52.75	62.02	68.30	80.48
EER ¹	kW/kW	3.134	2.948	2.774	3.063	2.973	2.883	2.749
ESEER ¹	kW/kW	-	-	-	-	-	-	-
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	109.7	123.5	137.3	161.1	184.0	196.6	220.9
EER ^{1,2}	kW/kW	3.070	2.900	2.730	3.010	2.930	2.840	2.710
ESEER ^{1,2}	kW/kW	-	-	-	-	-	-	-
COOLING ENERGY CLASS								
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
PRATED,C ⁷	kW	110	124	137	161	184	197	221
SEER ^{7,8}	kW/kW	4.23	4.26	4.31	4.47	4.40	4.43	4.31
PERFORMANCE ηs ^{7,9}	%	166	167	170	176	173	174	169
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	5.261	5.920	6.579	7.721	8.815	9.418	10.58
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	50.9	51.3	48.0	54.1	49.3	42.8	54.0
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	2	2	2	2	2
CIRCUITS	No.	1	1	1	1	1	1	1
REFRIGERANT CHARGE	kg	15.2	16.5	16.8	23.3	23.2	24.3	24.4
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	52	52	53	54	55	55	56
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	84	84	85	86	87	87	88
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	2825	2825	2825	3980	3980	3980	3980
DEPTH (B) ⁶	mm	1195	1195	1195	1195	1195	1195	1195
HEIGHT (H) ⁶	mm	1980	1980	1980	1980	1980	1980	1980
OPERATING WEIGHT ⁶	kg	770	850	920	1130	1170	1180	1220

Eurovent Certified Data

1. Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
 2. Values in compliance with EN14511.
 3. 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.
 4. Sound power on the basis of measurements taken in compliance with ISO 9614.
 5. Sound power level in cooling, outdoors.

6. Unit in standard configuration, without optional accessories.
 7. Parameter calculated according to [REGULATION (EU) N. 2016/2281].
 8. Seasonal energy efficiency ratio.
 9. Seasonal space cooling energy efficiency.

NX2
Air Cooled Chillers with lower GWP R454B refrigerant
(from 40 to 208 kW)



MODEL		NX2-G06 0042	NX2-G06 0052	NX2-G06 0062	NX2-G06 0072	NX2-G06 0082	NX2-G06 0092	NX2-G06 0102
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	40.53	48.50	54.16	60.98	68.18	79.82	93.31
TOTAL POWER INPUT ¹	kW	13.64	2.970	17.02	17.66	20.47	25.36	27.94
EER ¹	kW/kW	2.978	3.019	3.188	3.446	3.327	3.142	3.344
ESEER ¹	kW/kW	-	-	-	-	-	-	-
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	40.40	48.50	54.00	60.80	68.00	79.60	93.10
EER ^{1,2}	kW/kW	2.920	2.970	3.120	3.380	3.260	3.090	3.290
ESEER ^{1,2}	kW/kW	-	-	-	-	-	-	-
COOLING ENERGY CLASS								
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
PRATED,C ⁷	kW	40.4	48.5	54.0	60.8	68.0	79.6	93.1
SEER ^{7,8}		4.61	4.72	4.56	4.65	4.57	4.60	4.53
PERFORMANCE ηs ^{7,9}	%	181	186	179	183	180	181	178
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	1.938	2.323	2.590	2.916	3.261	3.817	4.462
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	44.8	33.3	41.4	45.4	46.2	45.3	36.6
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	2	2	2	2	2
CIRCUITS	No.	1	1	1	1	1	1	1
REFRIGERANT CHARGE	kg	7.60	7.60	8.00	9.90	10.0	11.1	13.1
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	49	50	49	51	52	52	52
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	81	82	81	83	84	84	84
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	1825	1825	1825	2395	2395	2395	2325
DEPTH (B) ⁶	mm	1195	1195	1195	1195	1195	1195	1195
HEIGHT (H) ⁶	mm	1865	1865	1865	1865	1865	1865	1980
OPERATING WEIGHT ⁶	kg	500	510	550	630	630	640	770

MODEL		NX2-G06 0112	NX2-G06 0122	NX2-G06 0142	NX2-G06 0162	NX2-G06 0182	NX2-G06 0202	NX2-G06 0222
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	103.8	116.5	129.6	152.0	174.2	186.9	208.7
TOTAL POWER INPUT ¹	kW	32.74	38.27	44.42	47.39	55.37	61.54	70.86
EER ¹	kW/kW	3.174	3.042	2.919	3.207	3.144	3.039	2.944
ESEER ¹	kW/kW	-	-	-	-	-	-	-
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	103.5	116.2	129.3	151.7	173.9	186.6	208.3
EER ^{1,2}	kW/kW	3.110	2.990	2.870	3.150	3.100	3.000	2.900
ESEER ^{1,2}	kW/kW	-	-	-	-	-	-	-
COOLING ENERGY CLASS								
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
PRATED,C ⁷	kW	104	116	129	152	174	187	208
SEER ^{7,8}		4.29	4.32	4.38	4.48	4.49	4.48	4.46
PERFORMANCE ηs ^{7,9}	%	168	170	172	176	177	176	175
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	4.965	5.573	6.198	7.268	8.331	8.937	9.979
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	45.4	45.5	42.6	47.9	44.1	38.5	48.0
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	2	2	2	2	2
CIRCUITS	No.	1	1	1	1	1	1	1
REFRIGERANT CHARGE	kg	14.3	15.5	15.8	21.9	22.7	22.8	22.9
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	52	52	53	54	55	55	56
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	84	84	85	86	87	87	88
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	2825	2825	2825	3980	3980	3980	3980
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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

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