MITSUBISHI ELECTRIC

NX2 4 Compressor Air Cooled Chillers

Outdoor installation (168kW to 366kW)

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.

CLIMAVENETA
SUSTAINABLE COMFORT

R410A R454B

Available from 168kW to 366kW in either R410A refrigerant or the lower GWP R454B the NX2 is a four scroll compressor, twin 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:

- Twin circuit tandem 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 178kW to 366kW)

MODEL		NX2-G02 0184P	NX2-G02 0214P	NX2-G02 0244P	NX2-G02 0264P	NX2-G02 0294P	NX2-G02 0334P	NX2-G02 0374P
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	178.0	207.8	237.4	262.5	293.1	330.0	366.5
TOTAL POWER INPUT *1	kW	52.92	62.72	74.41	83.58	87.61	100.2	113.8
EER *1	kW/kW	3.365	3.314	3.191	3.140	3.346	3.293	3.221
ESEER *1	kW/kW							
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY *1*2	kW	177.6	207.4	237.0	262.2	292.7	329.6	366.0
EER *1*2	kW/kW	3.300	3.260	3.140	3.090	3.300	3.250	3.170
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
PRATED,C *7	kW	178	207	237	262	293	330	366
SEER *7*8		4.68	4.70	4.70	4.71	4.63	4.65	4.60
PERFORMANCE ηs *7*9	%	184	185	185	186	182	183	181
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW *1	l/s	8.511	9.935	11.35	12.55	14.02	15.78	17.53
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	47.7	49.0	51.4	51.1	46.9	44.2	54.5
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	4	4	4	4	4	4	4
CIRCUITS	No.	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	33.4	35.4	41.7	41.8	52.8	57.6	57.7
NOISE LEVEL								
SOUND PRESSURE *3	dB(A)	54	54	55	55	56	58	59
SOUND POWER LEVEL IN COOLING *4*5	dB(A)	86	86	87	87	88	90	91
SIZE AND WEIGHT								
WIDTH (A) *6	mm	3160	3160	3160	3160	4335	4335	4335
DEPTH (B) *6	mm	2250	2250	2250	2250	2250	2250	2250
HEIGHT (H) *6	mm	2290	2290	2290	2290	2290	2290	2290
OPERATING WEIGHT *6	kg	1620	1640	1850	1880	2230	2260	2470

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 168kW to 345kW)

MODEL		NX2-G06-0184P	NX2-G06-0214P	NX2-G06-0244P	NX2-G06-0264P	NX2-G06-0294P	NX2-G06-0334P	NX2-G06-0374P
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	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 *1*2	kW	168.1	197.2	225.8	250.4	279.7	312.8	345.4
EER *1*2	kW/kW	3.350	3.340	3.240	3.200	3.380	3.300	3.200
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
PRATED,C *7	kW	168	197	226	250	280	313	345
SEER *7*8		4.73	4.76	4.78	4.79	4.71	4.73	4.62
PERFORMANCE ηs *7*9	%	186	188	188	189	185	186	182
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	kPa	42.7	44.3	46.7	46.6	42.8	39.8	48,5
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	4	4	4	4	4	4	4
CIRCUITS	No.	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	30.1	31.9	37.5	37.6	47.5	51.8	51.9
NOISE LEVEL								
SOUND PRESSURE *3	dB(A)	54	54	55	55	56	58	59
SOUND POWER LEVEL IN COOLING *4*5	dB(A)	86	86	87	87	88	90	91
SIZE AND WEIGHT								
WIDTH (A) *6	mm	3160	3160	3160	3160	4335	4335	4335
DEPTH (B) *6	mm	2250	2250	2250	2250	2250	2250	2250
HEIGHT (H) *6	mm	2290	2290	2290	2290	2290	2290	2290
OPERATING WEIGHT *6	kg	1620	1640	1850	1880	2230	2260	2470

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.

MITSUBISHI ELECTRIC
Changes for the Better

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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).

Effective as of November 2020

Green Gateway greengateway.mitsubishielectric.co.uk