

NX2 4-8 Compressor Air Cooled Chillers

Outdoor Installation (from 379 to 872kW)

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.

Key Features & Benefits:

- ErP2021 compliant
- Low noise
- Energy efficient
- Available with lower GWP R454B refrigerant



NX2 Air Cooled Chillers with R454B refrigerant
(from 379 to 867kW)



MODEL		0404	0424	0464	0515	0576	0585	0636
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	379.1	398.9	437.0	488.0	538.9	546.7	597.9
TOTAL POWER INPUT ¹⁾	kW	115.6	122.6	136.9	152.1	167.3	168.6	183.8
EER ¹⁾	kW/kW	3.279	3.254	3.192	3.208	3.221	3.243	3.253
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ¹⁾²⁾	kW	378.6	398.5	436.5	487.5	538.3	546.2	597.3
EER ¹⁾²⁾	kW/kW	3.220	3.210	3.140	3.160	3.170	3.200	3.210
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷⁾	kW	379	398	436	488	538	546	597
SEER ⁷⁾⁸⁾		4.67	4.68	4.65	4.70	4.70	4.76	4.75
PERFORMANCE η _s ⁷⁾⁹⁾	%	184	184	183	185	185	187	187
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹⁾	l/s	18.13	19.08	20.90	23.34	25.77	26.14	28.59
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	61.8	48.6	58.3	55.1	67.1	42.5	50.9
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	4	4	4	5	6	5	6
CIRCUITS	No.	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	46.6	51.5	51.7	59.6	64.4	72.0	74.8
NOISE LEVEL								
SOUND PRESSURE ³⁾	dB(A)	62	62	62	62	63	63	62
SOUND POWER LEVEL IN COOLING ⁴⁾⁵⁾	dB(A)	94	94	94	94	95	95	95
SIZE AND WEIGHT								
WIDTH (A) ⁶⁾	mm	3905	3905	3905	5080	5080	5080	6255
DEPTH (B) ⁶⁾	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶⁾	mm	2560	2560	2560	2560	2560	2560	2560
OPERATING WEIGHT ⁶⁾	kg	2590	2620	2660	3190	3420	3500	3940

MODEL		0676	0706	0768	0808	0848	0898	0928
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	636.3	656.5	720.5	759.5	798.1	835.5	867.1
TOTAL POWER INPUT ¹⁾	kW	198.1	200.3	218.0	231.4	245.1	259.3	273.5
EER ¹⁾	kW/kW	3.212	3.278	3.305	3.282	3.256	3.222	3.170
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ¹⁾²⁾	kW	635.7	655.8	719.8	758.8	797.4	834.8	866.3
EER ¹⁾²⁾	kW/kW	3.170	3.230	3.260	3.230	3.220	3.180	3.130
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷⁾	kW	636	656	720	759	797	835	866
SEER ⁷⁾⁸⁾		4.73	4.77	4.75	4.74	4.75	4.75	4.74
PERFORMANCE η _s ⁷⁾⁹⁾	%	186	188	187	187	187	187	187
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹⁾	l/s	30.43	31.39	34.45	36.32	38.17	39.96	41.46
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	49.2	52.4	56.9	63.3	47.2	51.7	55.7
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	6	6	8	8	8	8	8
CIRCUITS	No.	3	2	4	4	4	4	4
REFRIGERANT CHARGE	kg	75.1	85.6	88.5	95.1	104	106	106
NOISE LEVEL								
SOUND PRESSURE ³⁾	dB(A)	62	63	63	63	64	64	64
SOUND POWER LEVEL IN COOLING ⁴⁾⁵⁾	dB(A)	95	96	96	96	97	97	97
SIZE AND WEIGHT								
WIDTH (A) ⁶⁾	mm	6255	6255	7430	7430	7430	7430	7430
DEPTH (B) ⁶⁾	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶⁾	mm	2560	2560	2560	2560	2560	2560	2560
OPERATING WEIGHT ⁶⁾	kg	3980	4100	4970	5010	5080	5120	5150

■ Eurovent Certified Data

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

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

NX2 Air Cooled Chillers with R454B refrigerant
High Efficiency Version (from 380 to 872kW)



MODEL		0404	0424	0464	0515	0576	0585	0636
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	380.1	400.0	439.8	490.2	540.8	548.6	599.7
TOTAL POWER INPUT ¹	kW	111.3	117.1	129.4	145.0	161.1	161.7	177.4
EER ¹	kW/kW	3.415	3.416	3.399	3.381	3.357	3.393	3.380
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	379.6	399.5	439.2	489.7	540.2	548.1	599.1
EER ^{1,2}	kW/kW	3.350	3.370	3.340	3.330	3.300	3.350	3.330
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷	kW	380	400	439	490	540	548	599
SEER ^{7,8}		4.74	4.77	4.73	4.78	4.72	4.82	4.82
PERFORMANCE η _s ^{7,9}	%	187	188	186	188	186	190	190
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	18.18	19.13	21.03	23.44	25.86	26.24	28.68
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	62.1	48.8	59.0	55.6	67.6	42.8	51.2
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	4	4	4	5	6	5	6
CIRCUITS	No.	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	56.1	59.9	62.7	76.5	77.9	80.8	88.8
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	63	63	63	62	63	63	63
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	95	95	95	95	96	96	96
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	5080	5080	5080	6255	6255	6255	7430
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2560	2560	2560	2560	2560	2560	2560
OPERATING WEIGHT ⁶	kg	2960	2960	3000	3600	3830	3900	4290

MODEL		0676	0706	0768	0808	0848	0898	0928
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	639.0	658.6	721.1	762.2	801.1	839.7	872.3
TOTAL POWER INPUT ¹	kW	188.0	194.1	211.0	222.5	234.3	246.4	258.3
EER ¹	kW/kW	3.399	3.393	3.418	3.426	3.419	3.408	3.377
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	638.4	658.0	720.5	761.5	800.4	839.0	871.6
EER ^{1,2}	kW/kW	3.350	3.350	3.370	3.370	3.380	3.360	3.330
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷	kW	638	658	720	762	800	839	872
SEER ^{7,8}		4.86	4.83	4.81	4.81	4.83	4.84	4.86
PERFORMANCE η _s ^{7,9}	%	191	190	189	189	190	190	191
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	30.56	31.50	34.49	36.45	38.31	40.16	41.72
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	49.6	52.7	57.0	63.7	47.6	52.2	56.4
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	6	6	8	8	8	8	8
CIRCUITS	No.	3	2	4	4	4	4	4
REFRIGERANT CHARGE	kg	94.1	98.8	107	129	129	129	129
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	64	64	64	64	65	65	65
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	97	97	97	97	98	98	98
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	7430	7430	9780	9780	9780	9780	9780
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2560	2560	2560	2560	2560	2560	2560
OPERATING WEIGHT ⁶	kg	4430	4450	5660	5720	5770	5810	5850

■ Eurovent Certified Data

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

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

NX2 Air Cooled Chillers with R454B refrigerant
High Efficiency & Low Noise Version (from 379 to 868kW)



MODEL		0404	0424	0464	0515	0576	0585	0636
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	379.7	399.2	437.6	487.8	538.8	546.4	597.3
TOTAL POWER INPUT ¹⁾	kW	111.9	118.6	132.5	148.5	164.5	165.6	181.6
EER ¹⁾	kW/kW	3.393	3.366	3.303	3.285	3.275	3.300	3.289
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ¹⁾²⁾	kW	379.2	398.7	437.0	487.3	538.1	545.9	596.7
EER ¹⁾²⁾	kW/kW	3.330	3.320	3.250	3.240	3.220	3.260	3.240
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷⁾	kW	379	399	437	487	538	546	597
SEER ⁷⁾⁸⁾		4.73	4.76	4.72	4.76	4.70	4.81	4.80
PERFORMANCE η _s ⁷⁾⁹⁾	%	186	187	186	188	185	190	189
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹⁾	l/s	18.16	19.09	20.92	23.33	25.76	26.13	28.56
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	62.0	48.6	58.4	55.0	67.1	42.5	50.8
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	4	4	4	5	6	5	6
CIRCUITS	No.	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	56.1	59.9	62.7	76.5	77.9	80.8	88.8
NOISE LEVEL								
SOUND PRESSURE ³⁾	dB(A)	54	54	55	54	54	55	55
SOUND POWER LEVEL IN COOLING ⁴⁾⁵⁾	dB(A)	86	86	87	87	87	88	88
SIZE AND WEIGHT								
WIDTH (A) ⁶⁾	mm	5080	5080	5080	6255	6255	6255	7430
DEPTH (B) ⁶⁾	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶⁾	mm	2560	2560	2560	2560	2560	2560	2560
OPERATING WEIGHT ⁶⁾	kg	2930	2960	3000	3600	3830	3900	4290

MODEL		0676	0706	0768	0808	0848	0898	0928
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	636.5	655.3	720.4	760.7	798.7	837.2	868.8
TOTAL POWER INPUT ¹⁾	kW	191.7	198.7	210.9	223.9	237.3	250.9	264.5
EER ¹⁾	kW/kW	3.320	3.298	3.416	3.397	3.366	3.337	3.285
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ¹⁾²⁾	kW	635.9	654.7	719.8	760.0	798.1	836.5	868.1
EER ¹⁾²⁾	kW/kW	3.280	3.250	3.370	3.340	3.320	3.290	3.240
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷⁾	kW	636	655	720	760	798	836	868
SEER ⁷⁾⁸⁾		4.85	4.81	4.81	4.81	4.82	4.83	4.85
PERFORMANCE η _s ⁷⁾⁹⁾	%	191	189	189	189	190	190	191
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹⁾	l/s	30.44	31.34	34.45	36.38	38.20	40.04	41.55
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	49.2	52.2	56.9	63.5	47.3	51.9	55.9
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	6	6	8	8	8	8	8
CIRCUITS	No.	3	2	4	4	4	4	4
REFRIGERANT CHARGE	kg	94.1	98.8	107	29	129	129	129
NOISE LEVEL								
SOUND PRESSURE ³⁾	dB(A)	55	56	57	57	57	57	57
SOUND POWER LEVEL IN COOLING ⁴⁾⁵⁾	dB(A)	88	89	90	90	90	90	90
SIZE AND WEIGHT								
WIDTH (A) ⁶⁾	mm	7430	7430	9780	9780	9780	9780	9780
DEPTH (B) ⁶⁾	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶⁾	mm	2560	2560	2560	2560	2560	2560	2560
OPERATING WEIGHT ⁶⁾	kg	4430	4450	5660	5720	5770	5810	5850

■ Eurovent Certified Data

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

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



Telephone: **01707 282880**
email: air.conditioning@meuk.mee.com
les.mitsubishielectric.co.uk



@meuk_les
@green_gateway



Mitsubishi Electric Living
Environmental Systems UK



Mitsubishi Electric
Cooling and Heating UK



mitsubishielectricuk_les



Mitsubishi Electric Living
Environmental Systems UK



thehub.mitsubishielectric.co.uk

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880 Fax: 01707 278881
IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

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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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