

NX2 - Y 4 - 8 Compressor

The new NX2-Y units are air cooled chillers with scroll compressors designed for delivering the best efficiencies in industrial process applications.

NX2 - Y 4-8 Compressor

Product Overview

Cooling Capacity -

398 - 922 kW (R410A) 379 - 872 kW (R454B)

Refrigerant

R410A/R454B

ErP2021 Compliant

All models comply with any applicable ErP2021 regulations

Energy Efficient

Class-leading efficiency levels are achieved thanks to innovative design

Eco Friendly

R454B option offers large GWP reduction compared to R410A/R32 - while its physical properties ensures there is no trade-off in terms of the operating range






Key Features & Benefits

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

Still have a question?

Get in touch with one of our expert team today.

-  01422 371711
-  sales@newsome.ltd.uk
-  www.newsome.ltd.uk



NX2 - Y 4-8 Compressor

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

Technical Information

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 Output *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
ESEER *1	kW/kW							
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
ESEER *1 *2	kW/kW	-	-	-	-	-	-	-
Cooling Energy Class		-	-	-	-	-	-	-
Energy Efficiency								
Seasonal Efficiency in Cooling (reg. EU 2016/2281)								
Ambient Refrigeration								
PRATED,C *7	kW	37.9	398	436	488	538	546	597
SEER *7 *8		4.67	4.68	4.65	4.70	4.70	4.76	4.75
Performance ns *7*9	%	184	184	183	185	185	187	187
Exchangers								
Heat Exchangers 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								
Compressor 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

- 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 - Y 4-8 Compressor

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

Technical Information

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	488.0	538.9	546.7	597.9
Total Power Output *1	kW	198.1	200.3	218.0	152.1	167.3	168.6	183.8
EER *1	kW/kW	3.212	3.278	3.305	3.282	3.256	3.222	3.170
ESEER *1	kW/kW							
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
ESEER *1 *2	kW/kW	-	-	-	-	-	-	-
Cooling Energy Class		-	-	-	-	-	-	-
Energy Efficiency								
Seasonal Efficiency in Cooling (reg. EU 2016/2281)								
Ambient Refrigeration								
PRATED,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 ns *7*9	%	186	188	187	187	187	187	187
Exchangers								
Heat Exchangers 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								
Compressor 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

- 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 - Y 4-8 Compressor

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

Technical Information

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 Output *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
ESEER *1	kW/kW							
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
ESEER *1 *2	kW/kW	-	-	-	-	-	-	-
Cooling Energy Class		-	-	-	-	-	-	-
Energy Efficiency								
Seasonal Efficiency in Cooling (reg. EU 2016/2281)								
Ambient Refrigeration								
PRATED,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 ns *7*9	%	187	188	186	188	186	190	190
Exchangers								
Heat Exchangers 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								
Compressor 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

- 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 - Y 4-8 Compressor

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

Technical Information

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 Output *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
ESEER *1	kW/kW							
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
ESEER *1 *2	kW/kW	-	-	-	-	-	-	-
Cooling Energy Class		-	-	-	-	-	-	-
Energy Efficiency								
Seasonal Efficiency in Cooling (reg. EU 2016/2281)								
Ambient Refrigeration								
PRATED,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 ns *7*9	%	191	190	189	189	190	190	191
Exchangers								
Heat Exchangers 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								
Compressor 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

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
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High Efficiency & Low Noise Version
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Technical Information

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 Output *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
ESEER *1	kW/kW							
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
ESEER *1 *2	kW/kW	-	-	-	-	-	-	-
Cooling Energy Class		-	-	-	-	-	-	-
Energy Efficiency								
Seasonal Efficiency in Cooling (reg. EU 2016/2281)								
Ambient Refrigeration								
PRATED,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 ns *7*9	%	186	187	186	188	185	190	189
Exchangers								
Heat Exchangers 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	67.1	42.5	50.8
Refrigerant Circuit								
Compressor 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

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
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High Efficiency & Low Noise Version
(from 379 to 868kW)

Technical Information

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 Output *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
ESEER *1	kW/kW							
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
ESEER *1 *2	kW/kW	-	-	-	-	-	-	-
Cooling Energy Class		-	-	-	-	-	-	-
Energy Efficiency								
Seasonal Efficiency in Cooling (reg. EU 2016/2281)								
Ambient Refrigeration								
PRATED,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 ns *7*9	%	191	189	189	189	190	190	191
Exchangers								
Heat Exchangers 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								
Compressor 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)	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

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
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- Seasonal space cooling energy efficiency.

