

NX2 - Y 4 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 Compressor

Product Overview

Cooling Capacity -

176 - 367 kW (R410A) 167 - 346 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

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

Still have a question?

Get in touch with one of our expert team today.

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NX2 - Y 4 Compressor

NX2
Air Cooled Chillers with R410A refrigerant
(from 178kW to 366kW)

Technical Information

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 Output *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
ESEER *1 *2	kW/kW	-	-	-	-	-	-	-
Cooling Energy Class		-	-	-	-	-	-	-
Energy Efficiency								
Seasonal Efficiency in Cooling (reg. EU 2016/2281)								
Ambient Refrigeration								
PRATED,C *7	kW	178	207	237	262	293	330	360
SEER *7 *8		4.68	4.70	4.70	4.71	4.63	4.65	4.60
Performance ns *7*9	%	184	185	185	186	182	183	181
Exchangers								
Heat Exchangers 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								
Compressor 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

- 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.



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Technical Information

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 Output *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
ESEER *1 *2	kW/kW	-	-	-	-	-	-	-
Cooling Energy Class		-	-	-	-	-	-	-
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 ns *7*9	%	186	188	188	189	185	186	182
Exchangers								
Heat Exchangers User Side in Refrigeration								
Water Flow *1	l/s	8.052	9.444	10.81	11.9	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								
Compressor 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

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