

NX2 - Y 2 Compressor

NX2 - Y 2 Compressor

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

Product Overview

Cooling Capacity -

43 - 226 kW (R410A) 40 - 212 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

- Two 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.



01422 371711



sales@newsome.ltd.uk



www.newsome.ltd.uk



NX2 - Y 2 Compressor

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

Technical Information

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 Output *1	kW	14.25	17.24	19.17	20.12	22.98	28.01	30.25
EER *1	kW/kW	3.025	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	57.2	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		4.58	4.58	4.358	4.45	4.44	4.44	4.44
Performance ns *7*9	%	180	180	172	175	175	175	175
Exchangers								
Heat Exchangers 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								
Compressor 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

- 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 2 Compressor

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

Technical Information

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 Output *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		4.23	4.26	4.31	4.47	4.40	4.43	4.31
Performance ns *7*9	%	166	167	170	176	173	174	169
Exchangers								
Heat Exchangers User Side in Refrigeration								
Water Flow *1	l/s	5.261	5.920	6.597	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								
Compressor 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

- 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 2 Compressor

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

Technical Information

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 Output *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		4.061	4.72	4.56	4.65	4.57	4.60	4.53
Performance ns *7*9	%	181	186	179	183	180	181	178
Exchangers								
Heat Exchangers 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								
Compressor 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

- 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 2 Compressor

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

Technical Information

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 Output *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	2.08
SEER *7 *8		4.29	4.32	4.38	4.48	4.49	4.48	4.46
Performance ns *7*9	%	168	170	172	176	177	176	175
Exchangers								
Heat Exchangers 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								
Compressor 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
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

- 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.

