Penmann
INNOVATIVE CLIMATIC SOLUTIONS FOR THE FOOD INDUSTRY

NX2 - Y 2 Compressor

LOW GWP

The WRA ERP liquid chillers are the result of a design that has focused on reliability, energy efficiency, extended operating limits and extreme configurability.

Product Overview

Cooling Capacity –
43 – 226 kW (R410A) 40 – 212 kW (R454B)

Refrigerant
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 & Benfits

- 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.

0113 202 7300
info@penmann.co.uk
www.penmann.co.uk

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

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.