LOW GWP

newsome
Process Cooling
HVAC & Dehumidification

Low GWP Chiller Range

Your trusted temperature and humidity control partner

Industry Experts in Low GWP Cooling Solutions

Edition 1
2025

Contents

Your trusted temperature and humidity control partner

WRA ErP Chillers

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

LOW GWP

Product Overview

Cooling Capacity –
4.67kW - 47.39kW

Refrigerant
R513A

Compliance Limits
ErP2021 - SEPR HT (EU) 2016/2281 - SEPR MT (EU) 2015/109

Energy Efficient
Class-leading efficiency levels are achieved thanks to innovative design

Key Features & Benfits

- Cooling Capacity 5 – 47,5 kW
- Power Supply: 400Vac - 3ph - 50Hz / 460Vac - 3ph - 60Hz
- IP54 Protection Degree: suitable for outdoor installation
- Scroll compressors
- Plate/shell evaporator
- Non-Ferrous Hydraulic Circuit
- Condenser with finned coil

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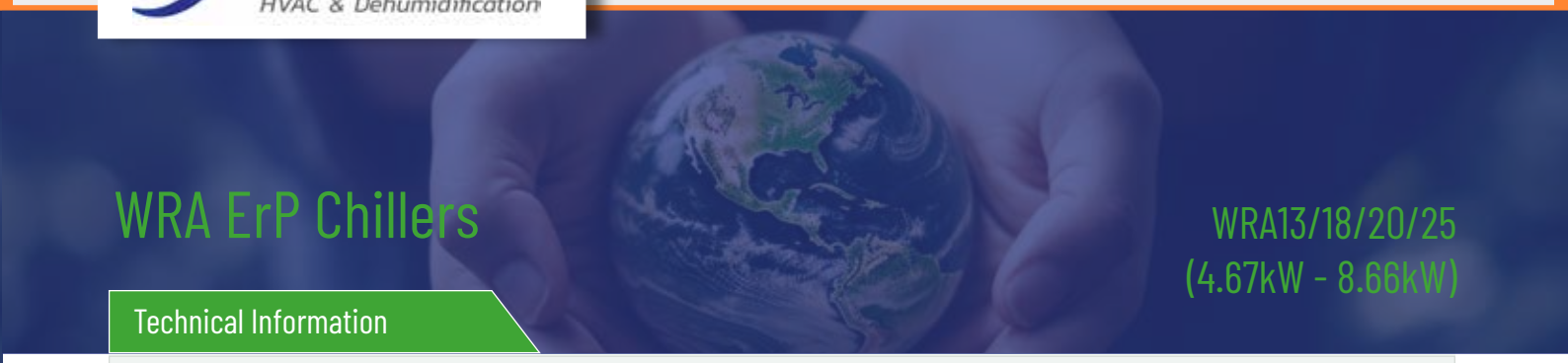

WRA ErP Chillers

WRA13/18/20/25
(4.67kW - 8.66kW)

Technical Information

Model		M.U.	WRA13	WRA18	WRA20	WRA25
Cooling Capacity	@50Hz	kW	4.67	5.87	7.34	8.66
Absorbed Power	@50Hz	kW	1.10	1.49	1.93	2.33
Evaporator water flow (1)	@50Hz	l/min	13.4	16.8	121.0	24.8
EER (without pump) (1)			4.2	3.9	3.8	3.7
SEPR HT (3)			5.38	5.42	5.45	5.18
Cooling Capacity (2)	@50Hz	kW	3.40	4.35	5.63	6.58
Absorbed Power (2)	@50Hz	kW	1.13	1.50	1.95	2.41
Evaporator water flow (2)	@50Hz	l/min	9.7	12.5	16.1	18.9
EER (without pump) (2)	@50Hz		3.0	2.9	2.9	2.7
Electrical data						
Power Supply		V-ph-Hz	400/3/50	400/3/50	400/3/50	400/3/50
Power Supply		V-ph-Hz		400/3/50 - 460/3/60		
Auxiliaries feed		V-ph-Hz	24VAC	24VAC	24VAC	24VAC
IP Protection Degree			IP54	IP54	IP54	IP54
Technical Data						
N° Compressors / N° Cooling circuits			1/1	1/1	1/1	1/1
N° Axial Fans			1	1	1	1
Pump P3 absorbed power	@50Hz	kW	0.46	0.46	0.46	0.46
Noise Level (4)		dB(A)	37.5	37.5	40.4	40.4
Hydraulic connections		Ø	3/4"G	3/4"G	3/4"G	3/4"G
Tank Volume		dm^3	40	40	40	40
Height		mm	1290	1290	1310	1310
Width		mm	560	560	560	560
Depth		mm	720	720	720	720
Operating weight (5)		kg	178	185	188	190
Shipping weight (5)		kg	133	140	143	145

(1) Data referring to outlet water inlet temperature 20/15°C - Air temperature 32°C. @50Hz
(2) Data referring to outlet water inlet temperature 12/7°C - Air temperature 35°C. @50Hz
(3) Data declared according to European Regulation (EU) 2016/2281 for high temperature process chillers
(4) Sound pressure at 10m: average value obtained in a free field on a reflecting plane at a distance of 10m from the unit according to EN ISO 9614-2. Values with tolerance ± 2 dB.
(5) Weight of the unit with tank and P3 pump without options/kit. Tolerance +/-10%.

WRA ErP Chillers

WRA30/35/50
(11.78kW - 16.66kW)

Technical Information

Model		M.U.	WRA30	WRA35	WRA50
Cooling Capacity	@50Hz	kW	11.78	13.66	16.66
Absorbed Power	@50Hz	kW	2.82	3.31	4.45
Evaporator water flow (1)	@50Hz	l/min	33.8	39.2	47.8
EER (without pump) (1)			4.2	4.1	3.7
SEPR HT (3)			5.52	5.54	5.37
Cooling Capacity (2)	@50Hz	kW	9.01	10.3	12.66
Absorbed Power (2)	@50Hz	kW	2.92	3.395	4.42
Evaporator water flow (2)	@50Hz	l/min	25.8	29.5	36.3
EER (without pump) (2)	@50Hz		3.1	3.0	2.9
Electrical data					
Power Supply		V-ph-Hz	400/3/50	400/3/50	400/3/50
Power Supply		V-ph-Hz	400/3/50 - 460/3/60		
Auxiliaries feed		V-ph-Hz	24VAC	24VAC	24VAC
IP Protection Degree			IP54	IP54	IP54
Technical Data					
N° Compressors / N° Cooling circuits			1/1	1/1	1/1
N° Axial Fans			1	1	1
Pump P3 absorbed power	@50Hz	kW	0.69	0.69	0.69
Noise Level (4)		dB(A)	46.9	46.9	47.9
Hydraulic connections		Ø	1"G	1"G	1"G
Tank Volume		dm^3	98	98	98
Height		mm	1550	1550	1550
Width		mm	740	740	740
Depth		mm	930	930	930
Operating weight (5)		kg	311	311	314
Shipping weight (5)		kg	201	200	204

(1) Data referring to outlet water inlet temperature 20/15°C - Air temperature 32°C. @50Hz
(2) Data referring to outlet water inlet temperature 12/7°C - Air temperature 35°C. @50Hz
(3) Data declared according to European Regulation (EU) 2016/2281 for high temperature process chillers
(4) Sound pressure at 10m: average value obtained in a free field on a reflecting plane at a distance of 10m from the unit according to EN ISO 9614-2. Values with tolerance ± 2 dB.
(5) Weight of the unit with tank and P3 pump without options/kit. Tolerance +/-10%.

WRA ErP Chillers

WRA55/65/80/90
(19.49kW - 31.82kW)

Technical Information

Model		M.U.	WRA55	WRA65	WRA80	WRA90
Cooling Capacity (1)	@50Hz	kW	19.49	22.26	27.05	31.82
Absorbed Power ca (1)	@50Hz	kW	4.59	5.25	6.73	7.79
Evaporator water flow (1)	@50Hz	l/min	55.9	63.8	77.5	91.2
EER (without pump) (1)			4.25	4.24	4.02	4.09
SEPR HT (3)			6.37	5.76	5.69	5.53
Cooling Capacity (2)	@50Hz	kW	14.9	17.1	20.96	24.65
Absorbed Power (2)	@50Hz	kW	4.65	5.3	6.65	7.68
Evaporator water flow (2)	@50Hz	l/min	42.7	49.0	60.1	70.7
EER (without pump) (2)	@50Hz		3.20	3.2	3.2	3.21
Electrical data				400/3/50		
Power Supply		V-ph-Hz	400/3/50		400/3/50	400/3/50
Power Supply		V-ph-Hz		400/3/50 - 460/3/60		
Auxiliaries feed		V-ph-Hz	24VAC	24VAC	24VAC	24VAC
IP Protection Degree			IP54	IP54	IP54	IP54
Technical Data						
N° Compressors / N° Cooling circuits			1/1	1/1	1/1	1/1
N° Axial Fans			1	1	1	1
Pump P3 absorbed power	@50Hz	kW	0.92	0.92	1.31	1.31
Noise Level (4)		dB(A)	41.9	42.5	44.3	43.9
Hydraulic connections		Ø	1"1/4G	1"1/4G	1"1/4G	1"1/4"
Tank Volume		dm^3	180	180	180	180
Height		mm	1992	1992	1992	1992
Width		mm	895	895	895	895
Depth		mm	1175	1175	1175	1775
Operating weight (5)		kg	560	572	572	580
Shipping weight (5)		kg	400	412	412	420

(1) Data referring to outlet water inlet temperature 20/15°C - Air temperature 32°C. @50Hz
(2) Data referring to outlet water inlet temperature 12/7°C - Air temperature 35°C. @50Hz
(3) Data declared according to European Regulation (EU) 2016/2281 for high temperature process chillers
(4) Sound pressure at 10m: average value obtained in a free field on a reflecting plane at a distance of 10m from the unit according to EN ISO 9614-2. Values with tolerance ± 2 dB.
(5) Weight of the unit with tank and P3 pump without options/kit. Tolerance +/-10%.

WRA ErP Chillers

WRA0A*/5A/0A**/5A**/
(39.94kW - 47.39kW)

Technical Information

Model		M.U.	WRA0A*	WRA5A*	WRA0A**	WRA5A**
Cooling Capacity (1)	@50Hz	kW	39.94	48.16	39.48	47.39
Absorbed Power ca (1)	@50Hz	kW	8.67	11.26	8.65	11.20
Evaporator water flow (1)	@50Hz	1/min	114.5	138.1	113.2	135.9
EER (without pump) (1)			4.61	4.28	4.56	4.23
SEPR HT (3)			5.92	5.66	5.8	5.51
Cooling Capacity (2)	@50Hz	kW	30.67	37.22	29.94	36.09
Absorbed Power (2)	@50Hz	kW	8.61	11.07	8.58	10.96
Evaporator water flow (2)	@50Hz	1/min	87.9	106.7	85.8	103.5
EER (without pump) (2)	@50Hz		3.56	3.36	3.49	3.29
Electrical data						
Power Supply		V-ph-Hz	400/3/50	400/3/50	400/3/50	400/3/50
Power Supply		V-ph-Hz		400/3/50 - 460/3/60		
Auxiliaries feed		V-ph-Hz	24VAC	24VAC	24VAC	24VAC
IP Protection Degree			IP54	IP54	IP54	IP54
Technical Data						
N° Compressors / N° Cooling circuits			1/1	1/1	1/1	1/1
N° Axial Fans			2	2	2	2
Pump P3 absorbed power	@50Hz	kW	1.76	1.76	1.76	1.76
Noise Level (4)		dB(A)	45.4	47	45.4	47.00
Hydraulic connections		Ø	1"1/2G	1"1/2G	1"1/2G	1"1/2G
Tank Volume		dm^3	300	300	250	250
Height		mm	2074	2074	2074	2074
Width		mm	1140	1140	1140	1140
Depth		mm	2084	2084	2084	2084
Operating weight (5)		kg	890	910	950	970
Shipping weight (5)		kg	610	630	710	730

* STANDARD version with plate evaporator
** PROCESS version with shell and tube evaporator
(1) Data referring to outlet water inlet temperature 20/15°C - Air temperature 32°C. @50Hz
(2) Data referring to outlet water inlet temperature 12/7°C - Air temperature 35°C. @50Hz
(3) Data declared according to European Regulation (EU) 2016/2281 for high temperature process chillers
(4) Sound pressure at 10m: average value obtained in a free field on a reflecting plane at a distance of 10m from the unit according to EN ISO 9614-2. Values with tolerance ± 2 dB.
(5) Weight of the unit with tank and P3 pump without options/kit. Tolerance +/-10%.

WLA Precision ErP Chillers

The range of WLA Precision ErP industrial liquid chillers is designed to ensure the high reliability standards required by 24/7 manufacturing processes and perfectly meets the needs of applications demanding high quality and reliability standards.

Performance Data

Refrigeration Circuit
Compliance with ErP 2021- SEPR HT (EU) 2016/2281- SEPR MT (EU) 2015/1095 regulations;
Hermetic scroll compressors protected by a phase sequence control relay and equipped with an oil crankcase heater;
Refrigerant: R32
Plate type evaporators in AISI 316 stainless steel;
Fin-tube condensers (copper tubes / aluminum fins) with mini-tube technology;
HP/LP pressure switches;
High-pressure transducer;
Electronic Expansion Valve EEV;
Axial fans with PP technopolymer corrosionresistant blades and electronic speed regulation by phase-cutting;
High and low-pressure safety valves;

Hydraulic Circuit
AISI304 inertial tank dustproof with visual level indicator, connections for loading/discharging, overflow, and level switch;
Automatic hydraulic bypass valve in brass standard;
Standard adjustable automatic brass hydraulic bypass valve:
Evaporator antifreeze protection: standard differential pressure switch and antifreeze probe;
Pressure gauge 0-6 barg;
Process version with pressurised hydraulic circuit and shell and tube evaporator
BRINE version -10°C
LASER version
LT version -20° ambient

Electrical Panel
Design and construction in compliance with EN60204 regulations;
Main switch with door lock;
Automatic switches and contactors;
IP44 protection level: suitable for outdoor installation (optional IP54 version);
Phase monitor standard;
Clean contacts: ON/OFF remote; general alarm;
Labeled electrical cables;
Standard active ventilation system: includes a heating resistor and ventilation grilles.

Still have a question?

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WLA Precision ErP Chillers

WLA5A/8A/0B/4B/7B/0C/5C/0D/5D (50.14kW - 159.79kW)

Technical Information

Model	WLA5A	WLA8A	WLA0B	WLA4B	WLA7B	WLA0C	WLA5C	WLA0D	WLA5D
Performance @50hz									
Cooling capacity (1) [kW]	50.14	60.72	77.56	84.61	98.12	109.53	131.87	145.69	159.79
Total absorbed power (1) [kW]	12.51	16.27	18.77	20.55	24.00	28.02	30.67	34.34	38.99
Evaporating water flow - STANDARD version (1) [l/min]	143.7	174.1	222.3	242.6	281.3	314.0	378.0	417.6	458.1
Evaporating water flow - PROCESS version (1) [l/min]	108.6	134.5	165.6	180.3	213.2	240.7	283.8	317.0	351.9
EER (excluding pump) (1)	4.01	3.73	4.13	4.12	4.09	391	4.30	4.24	4.10
Cooling capacity (2) [kW]	38.39	47.03	59.56	64.76	75.31	84.47	100.94	11.76	123.39
Total absorbed power (2) [kW]	12.38	16.00	18.75	20.59	23.85	27.58	30.72	34.41	39.00
EER (excluding pump) (2)	3.10	2.94	3.18	3.15	3.16	3.06	3.29	3.25	3.16
SEPR HT (3)	5.78	5.36	5.05	5.24	5.45	5.33	5.42	5.40	5.38
Electrical data									
Unit power supply [V/Ph/Hz]					400/3/50				
Auxiliary power supply [V/Ph/Hz]					24VAC				
IP protection rating					IP44 (IP54 Optional)				
Technical Data									
Refrigerant Gas					R410A				
Number of compressors/circuits					2/1				
Number of axial fans x impeller diameter	2x630				2x800			3x800	
Air flow (single fan) [m3/h]	10800	10800	20700	20700	20100	20100	20100	20100	20100
Pump P3 - Fluid flow rate min/max [l/min]	79.5/233	133/364	121/400	121/400	165/483	165/483	165/483	165/483	165/483
Pump P3 Head min/max [kPa]	122/427	3/364	42.376	51/377	4/392	16/394	187/548	187.548	268/692
Pump P5 INVERTER - Fluid flow rate min/max [l/min]		10/300			20/440			40/580	
Pump P5 INVERTER - Head min/max [kPa]		30/680			30/720			20/780	
Sound pressure level [dB(A)] (4)	47.8	47.5	50.4	51.1	51.5	51.9	55.1	56.6	56.6
Dimensions & Weights									
[RP]	1"1/2	2"	2"	2"	2"	2"1/2	2"1/2	2"1/2	2"1/2
Tank volume - STANDARD version [dm3]					300				
Tank volume - PROCESS version [dm3]			250					480	
Width [mm]	1135	1135	1135	1135	1135	1135	1135	1135	1135
Depth [mm]	2468	2468	2468	2468	2468	2468	3468	3468	3468
Height [mm]	2140	2140	2178	2178	2178	2178	2178	2178	2178
Empty weight - STANDARD version [kg] (5)	740	760	800	840	850	860	1100	1140	1149
Operating weight - STANDARD version [kg] (5)	1040	1060	1100	1140	1150	1160	1400	1440	1449
Empty weight - PROCESS version [kg] (6)	1180	1180	1240	1290	1320	1320	1690	1690	1690
Operating weight - PROCESS version [kg] (6)	1480	1480	1540	1590	1620	1620	2240	2240	2240

(1) Data referred to: Water temperature inlet/outlet 20/15°C, Ambient air temperature +32°C, power supply 50Hz.
(2) Data referred to: Water temperature inlet/outlet 12/7°C, Ambient air temperature +35°C, power supply 50Hz.
(3) Data declared according to the European regulation (EU) 2016/2281 for high-temperature process coolers.
(4) Sound pressure at 10m: average value obtained in free field on a reflecting plane at a distance of 10m from the unit according to EN ISO 9614-2. Values with tolerance ±2 dB.
(5) Weight of the unit in STANDARD configuration: atmospheric evaporating plates + tank + pump P3 without options/accessories. Tolerance +/-10%.
(6) Weight of the unit in PROCESS configuration: tube bundle evaporator + tank + pump P3 without options/accessories. Tolerance +/-10%.

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.

LOW GWP

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.

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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.

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.

LOW GWP

Product Overview

Cooling Capacity –
176 – 367 kW (R410A) 167 – 346 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

- 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 - 8 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 –
398 – 922 kW (R410A) 379 – 872 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

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

Still have a question?

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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

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.

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

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.

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

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.

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

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.

NX2 - Y 4-8 Compressor

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

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

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.

NX2 - Y 4-8 Compressor

NX2
Air Cooled Chillers with R454B refrigerant
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

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.

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