

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.



WRA ErP

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

Still have a question?

Get in touch with one of our expert team today.



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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 $\pm 10\%$.



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	l/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	l/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"1/26	1"1/26	1"1/26	1"1/26
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%.

