

# WLA Precision R410A

## Ideal for cooling water or process fluids

WLA Precision R410A units are air cooled industrial chillers, offering two refrigerant circuits and two scroll compressors per circuit to maximize reliability and efficiency under partial load conditions on the utility side. They are ideal for cooling water or process fluids and have been designed to ensure the high standards of reliability required by production processes running 24/7.

Thanks to the standard non-ferrous hydraulic circuit and the wide range of options and accessories, the WLA Precision R410A units are effectively used for cooling a number of different applications such as:

- plastics
- chemical and pharmaceutical industry
- biogas
- automotive industry
- food & beverage

Reliability and the ability to adapt to specific plant requirements are the determining factors, which allow the WLA Precision R410A liquid chillers to respond perfectly to the needs of these industrial applications, guaranteeing continuity of production and contributing to the reduction of operating costs.

## Main Features

- Cooling Capacity 96 – 130 kW
- Compressor: 2 hermetic scroll compressors per circuit
- Refrigerant Gas: R410A
- Air cooled finned coil condenser
- Axial fans with standard phase cut speed control
- Evaporator: stainless steel plates
- Laminating unit: thermostatic expansion valve
- Non-ferrous hydraulic circuit: standard
- Pumps: P3; P5; P3 + P3; P5 + P5
- Hydraulic by-pass: with adjustable type overpressure valve
- Electrical panel: for outdoor use with main switch and phase monitor
- Programmable microprocessor control with graphic display and standard RS485-Ethernet cards
- WLAprecision R410A Process Chillers do not fall within the scope of applicability of the MT (Medium Temperature – EU 2015/1095) and HT (High Temperature – EU 2016/2281) regulations.
- Working range of the refrigerant:
  - basic unit:  $+13^{\circ}\text{C} \div +25^{\circ}\text{C}$
  - unit for low temperature water:  $-5^{\circ}\text{C} \div +1^{\circ}\text{C}$



# WLAJo-Lo-M7



CODE	M.U.	WLAJo	WLAJo	WLAJo
Cooling capacity (1)	W	96000	112000	130000
Absorbed power (2)	W	25200	28400	33000
SEPR		4.74	4.72	4.93
Refrigerant Gas		R410A	R410A	R410A
Refrigerant Gas charge	kg	12,5 + 12,5	13,0 + 13,0	12,0 + 12,0
Cooling circuits/Compressors	N°	2 / 4	2 / 4	2 / 4
Power Supply	V-Hz	400-3-50 460-3-60	400-3-50 460-3-60	400-3-50 460-3-60
Auxiliaries feed	VAC	24	24	24
Connections		Morsettiera		
Fan Type/N°		Assiale/1		
Condenser fan air flow (free)	m <sup>3</sup> /h	2 x 24000	2 x 24000	2 x 24000
Total fan absorbed power	W	2 x 2100	2 x 2100	2 x 2100
Pump absorbed power	kW	2470	2470	2470
Nominal flow	l/min	270	320	370
Available head nom (Med Prex)	bar	2,2 (5)	2 (4,5)	1,8 (5,2)
Tank Capacity	l	300	300	300
Hydraulic connections	Ø	2"	2"	2"
Noise Level (3)	dB(A)	74	74	74
Height x Width x Depth	mm	2250 x 1160 x 2462	2250 x 1160 x 2462	2250 x 1160 x 2462
Shipping weight	kg	950	1100	1200

Working limits for a standard chiller: leaving water Temperature min/max 8/25°C; ambient min/max -10/45°C

(1) Referred to the compressor only at conditions water Temperature inlet/outlet 20/15°C, ambient Temperature 32°C

(2) Referred to the compressor only at the following conditions: water Temperature inlet/outlet 20/15°C, ambient Temperature 32°C

(3) Sound pressure level referred to free field at distance of 1m EN ISO 9614

