



SILENSYS[®] INVERTER SCROLL CONDENSING UNIT



marketing | october 2025

Silensys Scroll Inverter



Key features:

- Modulation capacity : 30% to 100%
- Scroll variable speed by inverter
- Dedicated to multi-evaporator systems
- Energy saving
- Heat recovery connections
- Low & Medium temperature application - 40°C ÷ + 5°C
- Up to 46°C ambient temperature
- Compact and quiet



Type	Refrigerants	Designation	Cooling capacity MBP *	Housing
A1 HFC-HFO	R448A / R449A	SILVSV4578P	3 → 10 KW	L
		SILVSV4611P	4,5 → 13,5 KW	XL
		SILVSV4615P	6,5 → 19 KW	XL
A2L HFC-HFO LOW-GWP	R455A	SILVSV4578P	2,8 → 8,5 KW	L
		SILVSV4611P	3,7 → 12 KW	XL
		SILVSV4615P	5,3 → 17 KW	XL
	R454C	SILVSV4578P	2,7 → 8,2 KW	L
		SILVSV4611P	3,6 → 11,5 KW	XL
		SILVSV4615P	5,2 → 16 KW	XL

*EN 13215 ambient temperature 32°C, superheat 10K, subcooling 3K, evaporating temperature -10°C. Average conditions



capacity range

EN13215 CONDITIONS

LBP: EVAP -35°C | AMB 32°C | SUBCOOL 3K | SUPERHEAT 10K

MBP: EVAP -10°C | AMB 32°C | SUBCOOL 3K | SUPERHEAT 10K

R448A | R449A

50 Hz MODELS

LBP **1.1 to 6.6 kW**

MBP **3 to 19 kW**

R455A

50 Hz MODELS

LBP **1 to 6.5 kW**

MBP **2.8 to 17 kW**

R454C

50 Hz MODELS

LBP **0.9 to 6 kW**

MBP **2.7 to 16 kW**



Silensys Scroll Inverter

Compressor :

- Regulation by inverter
- Brushless motor

Refrigeration equipment :

- Oil separator
- Suction accumulator
- Connection for heat recovery

Acoustics :

- Day/night mode
- Insulated compressor compartment

Regulation :

- Inverter module
- Low consumption fan with variable speed (EC)

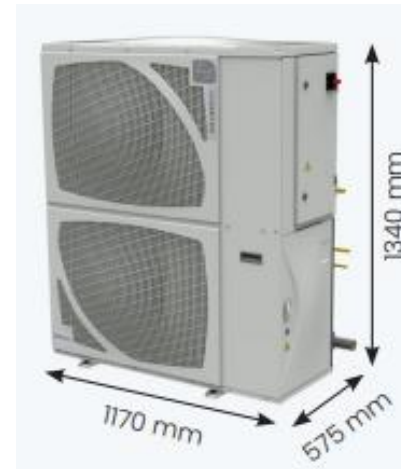
Security :

- Compressor protection by magnetothermic circuit breaker
- Compressor protected by overheating thermostat
- Liquid injection

Communication:

- RS485 communication link, Modbus protocol

Size L



Size XL

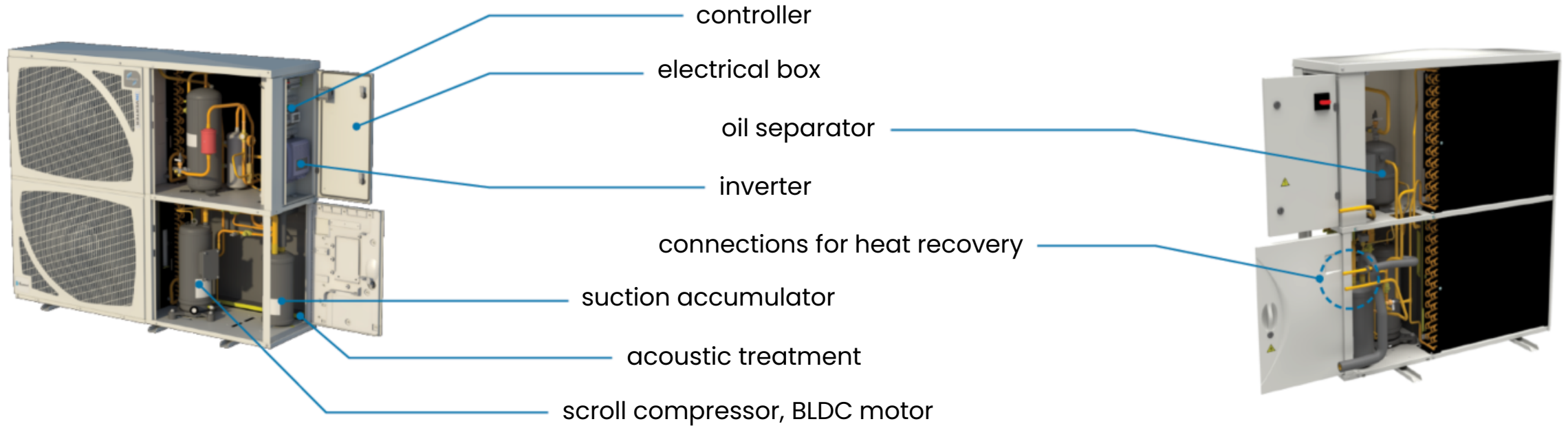


Groupe	LWA @50rps dB(A)	Lp(A) 10m dB(A)
SILVSV4578P	67	36
SILVSV4611P	72	41
SILVSV4615P	73	42

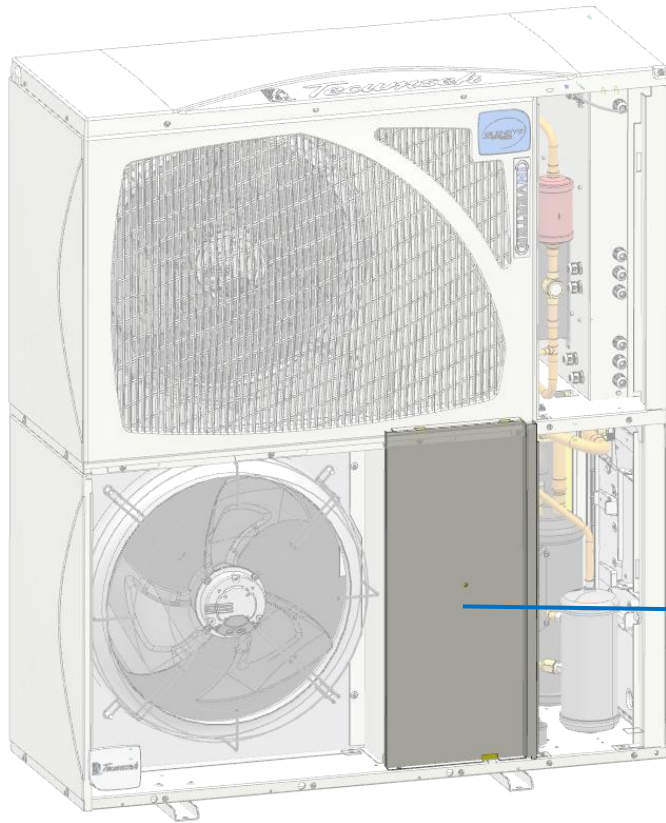
Designation	Liquid receiver (L)	Suction	HR connexion (x2)	Liquid
SILVSV4578P	6	7/8"	1/2"	5/8"
SILVSV4611P	9,5	1"1/8	5/8"	5/8"
SILVSV4615P	9,5	1"1/8	5/8"	5/8"



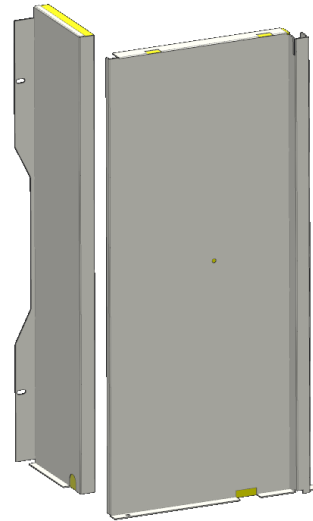
equipments



Accessibility for Compressor replacement



2-piece partition with removable front panel. Easy disassembly.



Full access to the front face