


435 to 525 m³/h 

1,5 to 2,9 kW 

1,9 to 3,7 kW 

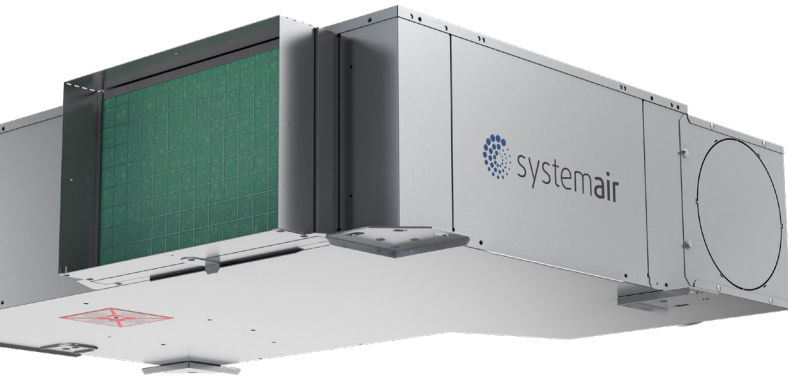
SysLoop

Water source heat pumps
One building, different needs!



SysLoop

Water source heat pumps



- Available in 3 sizes : SL15, SL20, SL30
- Cooling only (CO) or Heat pump (HP) versions
- Refrigerant R410A
- Cooling capacities from 1,5 to 2,9 kW
- Heating capacities from 1,9 to 3,7 kW
- Nominal airflow from 435 to 525 m³/h
- Many configurations & options

One building, different needs!

Water source heat pumps are ideal for large shopping centers, hotels or offices whose climate conditions change during the day or when, at the same time, the different areas of a building have different needs.

SysLoop was born from our product experience and customer approach, all combined with a technology based on energy efficiency to provide units with very low sound levels and the highest performances in terms of COP and EER.

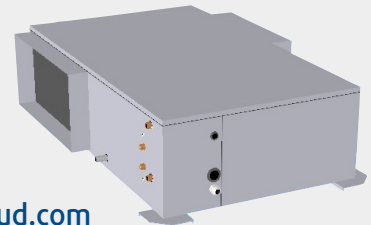
Product advantages



- Very low sound levels
- High EER & COP (BREEAM compliant)
- Low height for easy integration - only 250 mm
- Increased robustness (coaxial heat exchanger)
- Many aeraulic & hydraulic configurations
- Easy access to the internal componants

BIM models

available at
www.magicloud.com



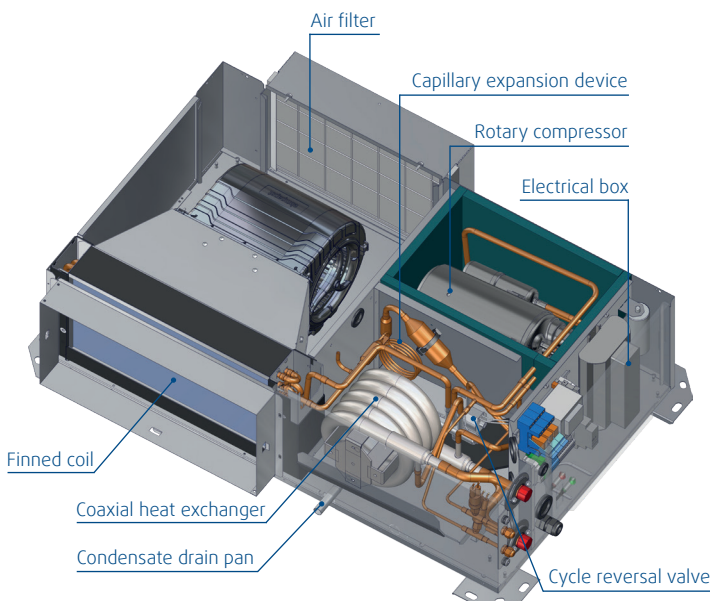
EC Driven



The preservation of the environment and energy savings are at the heart of the Systemair philosophy.

100%

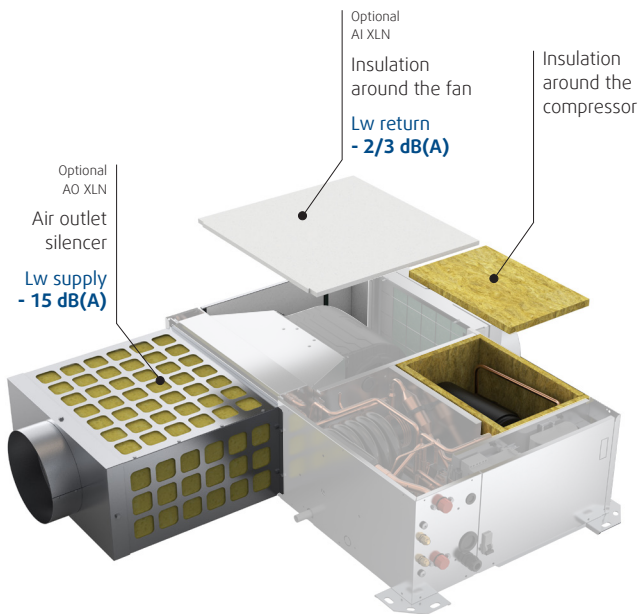
of the units are factory tested



Silence & Performance

COP
up to
5,70

EER
up to
5,05



Electronic control system with communication protocols

All SysLoop water source heat pumps can be equipped with our electronic control system including **Modbus or BACnet communication protocols**.

This control system also enables operation in master/slaves regulation mode for up to 15 units using a single remote control.



- On/Off,
- Selection of operating mode,
- Room temperature display,
- Fan speed selection,
- Temperature set-point adjustment,
- Alarm code display.

Many configurations and options to match your needs perfectly

- Left or right hydraulic connections,
- Left or right air inlet/outlet,
- Rectangular or circular duct connections,
- Electronic control systems with or without communication protocols (BACnet MSTP or Modbus RTU),
- Electric heaters,
- Remote controls,
- Drain pump,
- Drain outlet,
- Filters (Basic or G3M1),
- Air outlet silencer,
- Insulation around the fan,
- Pressostatic valve (cooling only),
- Flow switch control,
- General default report,
- Circuit breaker,
- Room temperature sensor,

Shopping Mall



GET YOUR COMPLETE SOLUTION !
with Systemair ventilation range



GENIOX
Modular air handling unit



DVV/F
Smoke extraction roof fan



NOVA-C
Extract grille



IV/F
Jet fan



Optima
VAV Controller



CAP-F
Diffuser

Technical Data

SysLoop (in-line configuration)		SL15	SL20	SL30
Cooling				
Cooling capacities ¹	W	1 507	2 151	2 902
Sensible cooling capacities ¹	W	1 371	1 733	2 355
EER		4,51	5,05	4,25
Heating				
Heating capacities ²	kW	1 934	2 510	3 680
COP		5,49	5,70	4,97
Electrical data				
Power supply	V~/Hz	230V / 1Ph / 50Hz ±10%		
Power consumption in cooling mode ³	W	365	471	742
Power consumption in heating mode ³	W	389	491	806
Electrical heating coil - Number / Capacity (Optional)	- / W	1 / 600 + 600	1 / 800 + 800	1 / 1 000 + 1 000
Refrigerant circuit				
Type of refrigerant		R410A		
Load	Kg	0,415	0,565	0,565
Type of compressor		Rotary		
Hydraulic data				
Nominal water flow	l/h	317	444	617
Water pressure drop at nominal water flow	kPa	8	12	18
Maximum water pressure	bar	10		
Type of exchanger		Coaxial heat exchanger		
Number of exchanger		1		
Type of water connections		Gas male		
Water inlet diameter	inch	1/2"	1/2"	1/2"
Water outlet diameter	inch	1/2"	1/2"	1/2"
Ventilation				
Nominal air flow	m ³ /h	435	465	525
External static pressure	Pa	25	25	25
Sound levels				
Radiated sound power level (at medium speed)	dB(A)	43,1	44,5	46,8
Global sound pressure level (at medium speed) ⁴	dB(A)	30,0	34,1	37,6
Weight				
Weight - Operating (without air inlet/outlet accessories)	Kg	48	48	48

- (1) Nominal cooling capacities based on entering air temperature of 27 °C dry bulb, 19 °C wet bulb with entering water temperature of 30 °C.
 (2) Nominal heating capacities based on entering air temperature of 20 °C dry bulb, 15 °C wet bulb with entering water temperature of 20 °C.
 (3) Power consumption at nominal conditions (compressor+fan at high speed).
 (4) Informative data, considering a hypothetical sound attenuation of the room and installation of 21 dB.



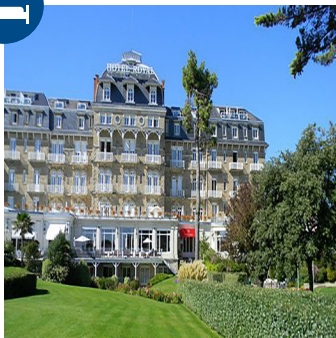
Technical Documentation

Find our complete documentation on the application **MEDIA CENTER** by Systemair.

Also available at: www.systemair.com.



Project references



HÔTEL ROYAL
La Baule, France

• 132 Systemair Water source heat pumps



MC ARTHUR GLEN PROVENCE
Miramas, France

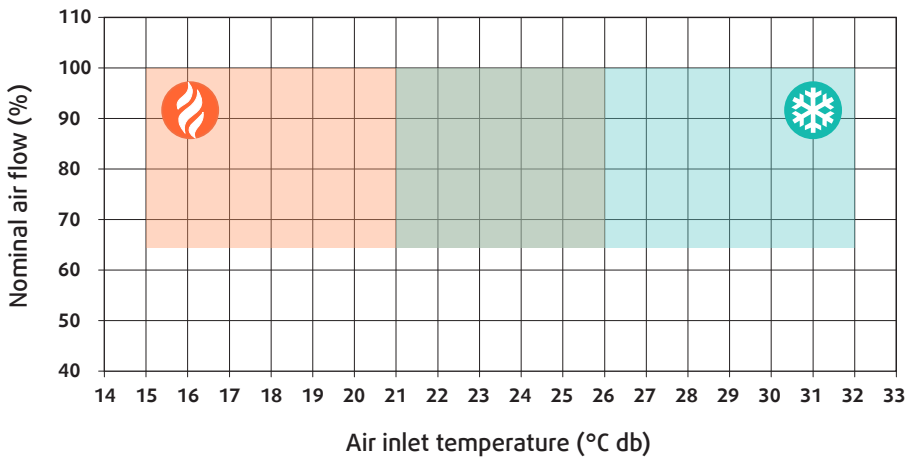
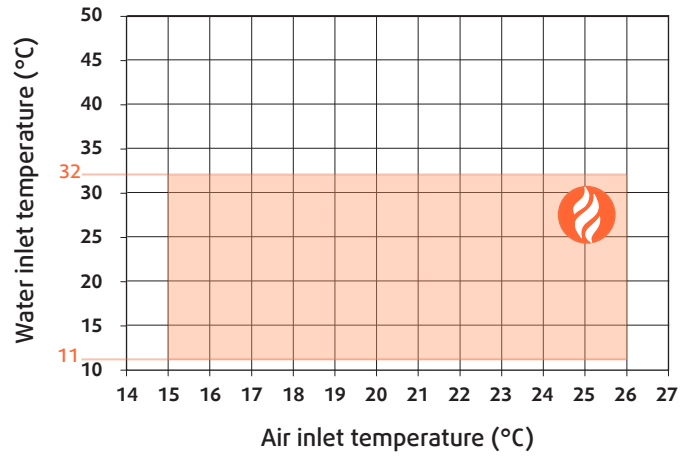
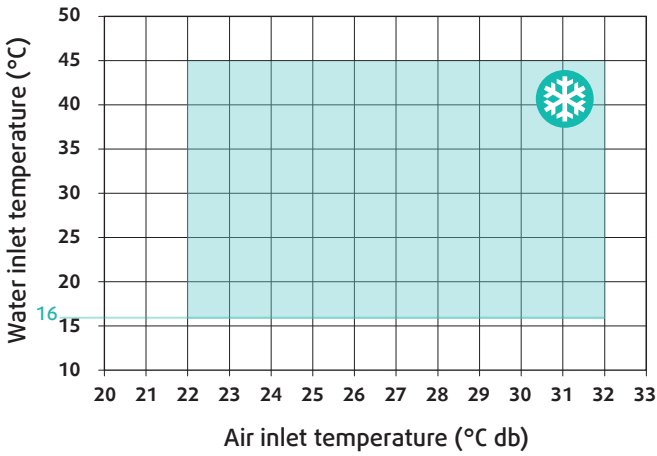
• 160 Systemair Water source heat pumps



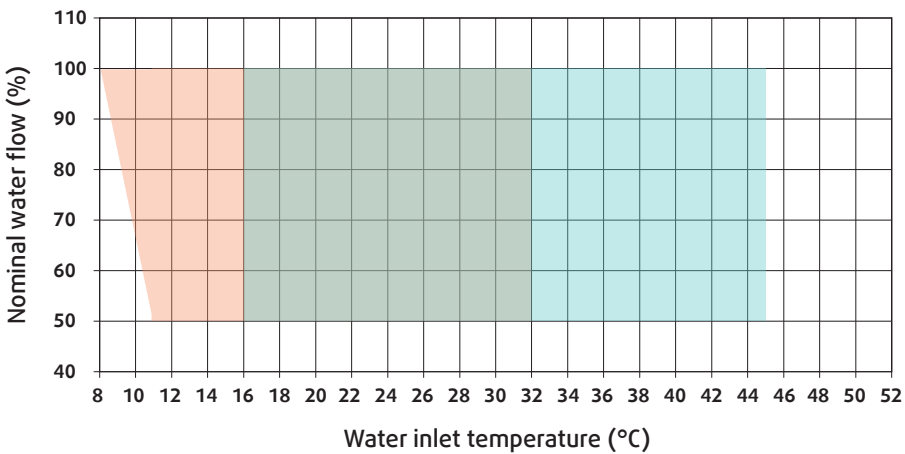
03 BUSINESS CAMPUS, Krakow, Poland
SYMETRICS BUSINESS PARK, Lodz, Poland

• 1112 Systemair Water source heat pumps

Operating limits



MODELS	SL15	SL20	SL30	
Nominal air flow	m ³ /h	435	465	525
65% Nominal air flow	m ³ /h	261	279	315



MODELS	SL15	SL20	SL30	
Nominal water flow	l/h	317	444	617
50% Nominal water flow	l/h	158,5	222	308,5
Maximum hydraulic pressure	bar	10	10	10

Sysoft AC

the online selection software for all your Air Conditioning projects

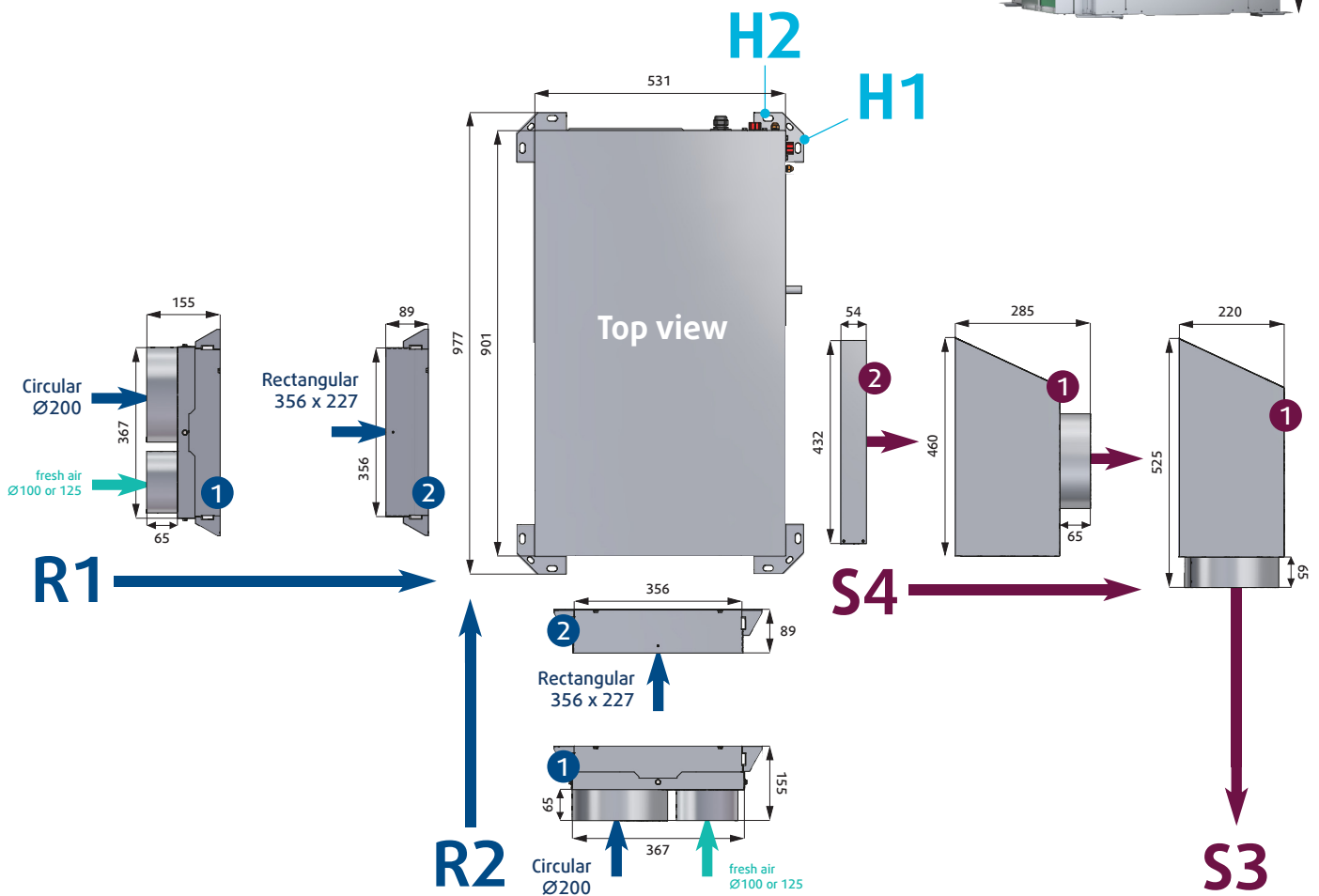
Thanks to our online selection tool Sysoft AC, configure and select precisely and quickly, by yourself, "THE" water source heat pump(s) you need.

<https://sysoftac.com>



Dimensions & Configurations

SysLoop 15, 20, 30 - with right air outlet



LEFT AIR INLET configurations

R1 | Lateral, left
AIR INLET

R2 | Frontal, left
AIR INLET

AIR INLET accessories

	AI 1Ø200	Filter frame + duct Ø200
1	AI 1Ø200 FAØ100	Filter frame + duct Ø200 + duct fresh air Ø100
	AI 1Ø200 FAØ125	Filter frame + duct Ø200 + duct fresh air Ø125
2	AI RECT	Rectangular filter frame

Dimensions in mm

RIGHT AIR OUTLET Configurations

S4 | Lateral, right
AIR OUTLET

S3 | Frontal, right
AIR OUTLET

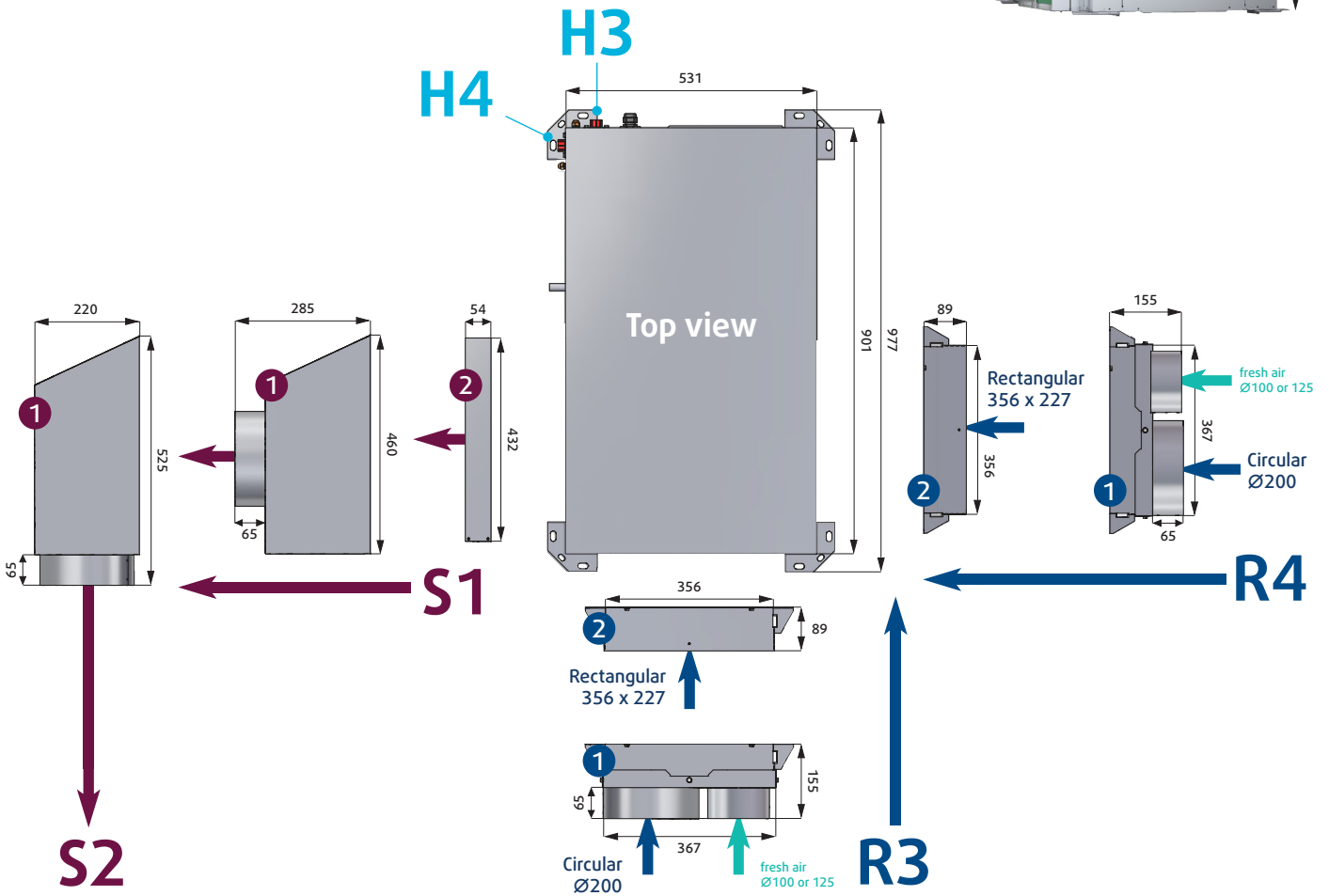
AIR OUTLET accessories

1	AO 1Ø200	Frame + duct Ø200
2	AO RECT	Rectangular frame

RIGHT HYDRAULIC Configurations

H1 | Lateral, right
HYDRAULIC

H2 | Rear face, right
HYDRAULIC



LEFT AIR OUTLET Configurations

S1 | Lateral, left
AIR OUTLET

S2 | Frontal, left
AIR OUTLET

AIR OUTLET accessories

1	AO 1Ø200	Frame + duct Ø200
2	AO RECT	Rectangular frame

LEFT HYDRAULIC Configurations

H4 | Lateral, left
HYDRAULIC

H3 | Rear face, left
HYDRAULIC

RIGHT AIR INLET Configurations

R4 | Lateral, right
AIR INLET

R3 | Frontal, right
AIR INLET

AIR INLET accessories

	AI 1Ø200	Filter frame + duct Ø200
1	AI 1Ø200 FAØ100	Filter frame + duct Ø200 + duct fresh air Ø100
	AI 1Ø200 FAØ125	Filter frame + duct Ø200 + duct fresh air Ø125
2	AI RECT	Rectangular filter frame

Dimensions in mm

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