

Чиллеры с водяным охлаждением Slim

Технические характеристики

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Slim SCW 1211-4511

Water Cooled portable Chiller

1 x scroll compressor, 1 x refrigerant circuit

Cooling capacity: from 11,7 to 45,2 kW

Benefits:

- **Flexible functioning:** water condensing temperatures from 17°C up to +40°C
- **Reduced energy absorption and lower noise levels:** scroll compressor
- **High efficient heat exchange:** stainless steel brazed plate evaporator
- **Optimal flow:** internal water circulation pump
- **Temperature stability and low thermal dispersion:** internal stainless steel and insulated tank open type in order to discharge the air inside the circuit during the production changing
- **Eco-compatible:** green refrigerant R410A with high cooling capacity

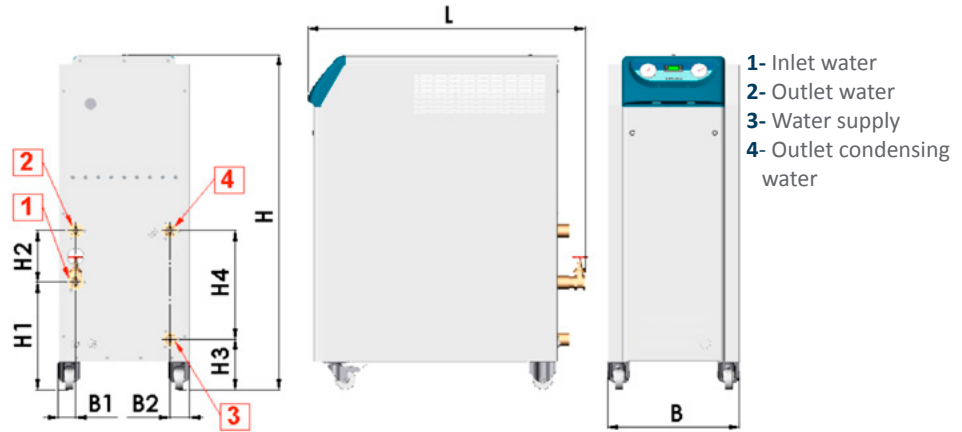


The **SLIM Series** of portable chillers provide low temperature water independent from any ambient condition. The range, designed for application in all the industrial sectors, assures maximum flexibility and energy efficient functioning.

Safe functioning: high and low pressure switches, high and low pressure gauges. The **microprocessor control** displaying key water temperature and alarms. Simplified installation, reduced footprint and quick startup operations.

Options:

- Overflow security kit
- Serial interface Modbus
- Acoustic alarm with lamp
- Hot gas by-pass for extremely precise water temperature
- Mechanical water filter
- Condensation control valve



TECHNICAL DATA		SCW 1211	SCW 2111	SCW 3411	SCW 4511
Cooling capacity T in/out 20-15°C-T water cond 30°C	Kcal	10.062	17.458	29.498	38.872
	kW	11,7	20,3	34,3	45,2
Required water flow on condenser	m³/h	2,0	3,6	6,0	8,0
Absorbed power 15°C - 30°C	kW	1,8	3,1	5,4	7,3
Cooling capacity T in/out 12-7°C - T water cond 30°C	Kcal	7.396	13.244	21.956	26.574
	kW	8,6	15,4	25,53	30,9
Required water flow on condenser	m³/h	1,6	2,8	4,7	5,8
Absorbed power 7°C - 30°C	Kw	1,84	3,16	5,28	6,95
Max Power installed with low pressure pump	kW	4,54	6,6	10,13	14,48
Max load current Low pressure pump	A	8,3	11,6	20	26,6
Max Power installed with middle pressure pump	kW	4,72	6,78	10,73	14,39
Max load current Middle pressure pump	A	8,6	11,9	20,9	25,8
Max Power installed with high pressure pump	kW	5,18	7,8	11,88	15,54
Max load current High pressure pump	A	9,5	13,6	22,7	27,6
Water Pump Low Pressure	m³/h	1,2 – 4,8		1,2 – 6,6	4,8 - 15
	bar	2,8 – 2,0		3,0 – 1,9	3,1 – 2,3
	kW	0,55		0,75	1,5
Water Pump Middle Pressure	m³/h	1,2 – 4,8		2,4 – 9,0	2,4 – 9,0
	bar	3,8 – 2,7		4,2 – 3,0	4,2 – 3,0
	kW	0,75		1,1	1,1
Water Pump High Pressure	m³/h	1,2 – 4,8	1,2 – 4,8	2,4 – 9	
	bar	5,2 – 3,6	6,0 – 4,4	5,9 – 4,4	
	kW	1,1	1,5	2,2	
Water connections in/out (Threaded - Female)	gas	3/4"	1"	1" 1/4	
Weight	Kg	175	200	240	250
Dimensions (mm)	B	510			
	L	1.075			
	H	1.300			
	B1	67			
	B2	77			
	H1	416			
	H2	200			
	H3	195			
	H4	420			

Slim SCW 6811

Water Cooled portable Chiller

1 x scroll compressor, 1 x refrigerant circuit

Cooling capacity: 68 kW

Benefits:

- **Flexible functioning:** water condensing temperatures from 17°C up to +40°C
- **Reduced energy absorption and lower noise levels:** scroll compressor
- **High efficient heat exchange:** stainless steel brazed plate evaporator
- **Optimal flow:** internal water circulation pump
- **Temperature stability and low thermal dispersion:** internal stainless steel and insulated tank open type in order to discharge the air inside the circuit during the production changing
- **Eco-compatible:** green refrigerant R410A with high cooling capacity

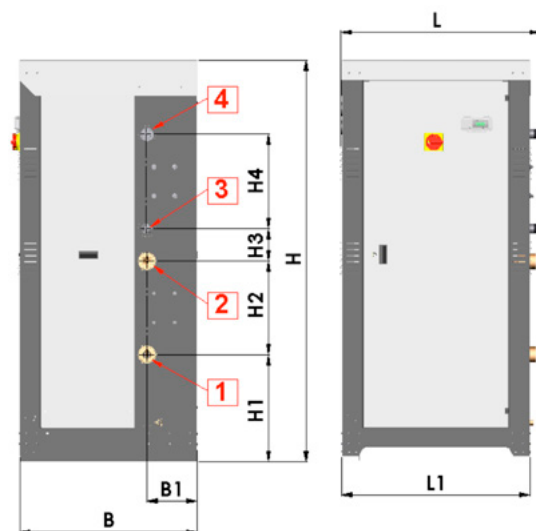


The **SLIM Series** of portable chillers provide low temperature water independent from any ambient condition. The range, designed for application in all the industrial sectors, assures maximum flexibility and energy efficient functioning.

Safe functioning: high and low pressure switches, high and low pressure gauges. The **microprocessor control** displaying key water temperature and alarms. Simplified installation, reduced footprint and quick startup operations.

Options:

- Overflow security kit
- Serial interface Modbus
- Acoustic alarm with lamp
- Hot gas by-pass for extremely precise water temperature
- Mechanical water filter
- Condensation control valve



- 1-** Inlet process water
- 2-** Outlet process water
- 3-** Inlet condensing water
- 4-** Outlet condensing water

TECHNICAL DATA		SCW 6811
Cooling capacity T evap 20-15°C - T water cond 30°C	Kcal	58.480
	kW	68
Required water flow on condenser	m³/h	12
Absorbed power 15°C - 30°C	kW	10,6
Cooling capacity T evap 12-7°C - T water cond 30°C	Kcal	44.032
	kW	51,2
Required water flow on condenser	m³/h	9,4
Absorbed power 7°C - 30°C	kW	10,25
Max Power installed with low pressure pump	kW	19,49
Max load current Low pressure pump	A	33,3
Max Power installed with middle pressure pump	kW	19,24
Max load current middle pressure pump	A	32,7
Max Power installed with high pressure pump	kW	21,24
Max load current high pressure pump	A	35,9
Water Pump Low Pressure	m³/h	4,8 - 15
	bar	3,1 – 2,3
	kW	1,5
Water Pump Middle Pressure	m³/h	3,6 – 15
	bar	4,4 – 1,1
	kW	1,5
Water Pump High Pressure	m³/h	3,6 – 12,6
	bar	6,2 – 4,9
	kW	3
Compressors (scroll type - R410A)	n°	1
Process Water connections in/out (Threaded - Female)	gas	1"1/2
Condensing Water connections in/out (Threaded - Male)	gas	1"1/2
Weight	Kg	385
Dimensions (mm)	B	850
	B1	240
	L	960
	L1	900
	H	1935
	H1	515
	H2	450
	H3	156
	H4	456

Data are referred for a machine 400/3/50Hz - R410A Minimum Condensing water temperature +17°C



Slim 8322-16022

HIGH CAPACITY COMPACT SERIES

Refrigeration capacity: from 83 to 170 kW

- Up to 2 independent cooling circuits
- Scroll compressors
- Eco-compatible fluid

Model SCW 8322-16022

1 scroll type compressor, 1 refrigeration circuit

The Slim series water-cooled chillers combine high cooling capacity and extremely small sizes, with high energy efficiency. They offer low water temperature independent of any environmental condition. The Slim meets all the requirements of industrial applications and guarantees maximum flexibility and efficient operation.

Efficient and safe operation: uses high and low pressure gauges and pressure switches, and metal filters on the condensers. The microprocessor control displays the set temperature and alarms on the screen. Simplified installation, extremely small space and quick commissioning operations.

Benefits

- Up to 2 independent cooling circuits that ensure wide partialization with total operational reliability
- Reduced energy consumption with the use of scroll compressors, plate evaporators, micro channel condensers and high performance water pumps
- Eco-compatible fluid R410A
- Hydraulic circuit made of non-corrosive materials
- Temperature stability and low thermal dispersion using thermally insulated stainless steel tank
- Painted galvanized steel construction and sealed panel with double closure, also allowing outdoor installation

Products available only for South America .

Only available in: BR, AR, BO, CL, CO, EC, PY, PE, UY, VE



Slim 4222-5822

HIGH CAPACITY COMPACT SERIES

Refrigeration capacity: from 46.94 to 54.33 kW

- Up to 2 independent cooling circuits
- Scroll compressors
- Eco-compatible fluid

Model SCW 4222-5822

1 scroll type compressor, 1 refrigeration circuit

The Slim series water-cooled chillers combine high cooling capacity and extremely small sizes, with high energy efficiency. They offer low water temperature independent of any environmental condition. The Slim meets all the requirements of industrial applications and guarantees maximum flexibility and efficient operation.

Efficient and safe operation: uses high and low pressure gauges and pressure switches, and metal filters on the condensers. The microprocessor control displays the set temperature and alarms on the screen. Simplified installation, extremely small space and quick commissioning operations.

Benefits

- Up to 2 independent cooling circuits that ensure wide partialization with total operational reliability
- Reduced energy consumption with the use of scroll compressors, plate evaporators, micro channel condensers and high performance water pumps
- Eco-compatible fluid R410A
- Hydraulic circuit made of non-corrosive materials
- Temperature stability and low thermal dispersion using thermally insulated stainless steel tank
- Painted galvanized steel construction and sealed panel with double closure, also allowing outdoor installation

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Slim 2011-2711

HIGH CAPACITY COMPACT SERIES

Refrigeration capacity: from 23.48 to 27.16 kW

- Up to 2 independent cooling circuits
- Scroll compressors
- Eco-compatible fluid

Model SCW 2011-2711

1 scroll type compressor, 1 refrigeration circuit

The Slim series water-cooled chillers combine high cooling capacity and extremely small sizes, with high energy efficiency. They offer low water temperature independent of any environmental condition. The Slim meets all the requirements of industrial applications and guarantees maximum flexibility and efficient operation.

Efficient and safe operation: uses high and low pressure gauges and pressure switches, and metal filters on the condensers. The microprocessor control displays the set temperature and alarms on the screen. Simplified installation, extremely small space and quick commissioning operations.

Benefits

- Up to 2 independent cooling circuits that ensure wide partialization with total operational reliability
- Reduced energy consumption with the use of scroll compressors, plate evaporators, micro channel condensers and high performance water pumps
- Eco-compatible fluid R410A
- Hydraulic circuit made of non-corrosive materials
- Temperature stability and low thermal dispersion using thermally insulated stainless steel tank
- Painted galvanized steel construction and sealed panel with double closure, also allowing outdoor installation

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