



Sinclair
20 years with you

MONOBLOCK HEAT PUMPS

Inverter heat pump, which consists of only one compact outdoor unit with everything you need, including hydraulic components.



We offer variants 4, 6, 8 kW (1 phase), 10, 12, 14, 16 kW (1 phase and 3 phase) and 18, 22, 26, 30 kW (3 phase).

ONE COMPACT UNIT WITH VARIABLE FUNCTIONS

- The system can be connected to floor heating, radiators, fan coils. If you add a hot water tank and a three-way valve, you can also use the device to heat domestic hot water
- Ecological refrigerant R32 in combination with inverter compressor and EVI exchanger ensure economical and nature-saving operation
- Hermetically sealed refrigerant circuit of the device, minimal risk of refrigerant leakage
- Monoblock heat pump includes circulatory pump, plate exchanger, pressure valve, expansion valve, safety valve and two-stage rotary compressor
- The device works reliably even at low temperatures, down to -25 °C, thanks to the added economizer and intermediate stage refrigerant injection

AN IDEAL DEVICE IF YOU DO NOT HAVE THE OPTION OF INSTALLING THE INDOOR UNIT IN YOUR HOUSE. JUST CONNECT THE DEVICE TO THE HEATING SYSTEM AND TO THE POWER SUPPLY. THIS MINIMIZES COSTS AND INSTALLATION TIME.



S-THERM
YUKON GOT
A KEYMARK
CERTIFICATION

S-THERM

6-16 kW

FEATURES

- Possibility of control via internet with Comfort Home application
- High efficiency
- Circulatory pump with self-regulation of speed
- Integrated expansion vessel and safety valve
- Silent mode
- The outlet water temperature from 25 °C to 60 °C
- Built-in electric cartridge with 3 or 9 kW capacity

SMHM-60B/3
 SMHM-80B/3
 SMHM-100B/3
 SMHM-120B/3
 SMHM-120B-3/9
 SMHM-140B/3
 SMHM-140B-3/9
 SMHM-160B/3
 SMHM-160B-3/9



Model SMHM-			60B/3	80B/3	100B/3	120B/3 / 120B-3/9	140B/3 / 140B-3/9	160B/3 / 160B-3/9
Capacity	Heating	kW	6,35	8,4	10	12,1	14,5	15,9
	Cooling	kW	6,5	8,3	9,9	12	13,5	14,2
Power input	Heating	kW	1,28	1,63	2,02	2,44	3,15	3,53
	Cooling	kW	1,35	1,64	2,18	3,04	3,74	3,94
COP	Heating	-	4,95	5,15	4,95	4,95	4,6	4,5
EER	Cooling	-	4,8	5,05	4,55	3,95	3,61	3,61
Energy class	Heating (55 °C / 35 °C)	-	A++ / A+++					
SCOP	Heating (55 °C / 35 °C)	-	3,52 / 4,95	3,37 / 5,22	3,47 / 5,2	3,45 / 4,81	3,47 / 4,72	3,41 / 4,62
Power supply		V/Ph/Hz	220-240 / 1 / 50			220-240/1/50 / 380-415/3/50		
Max. power input		kW	2,58	3	3,43	4,78	5,37	6,25
Max. current		A	18	19		30		
Refrigerant	Type	-	R32					
	Charge	kg	1,4			1,75		
Water pipes	Inlet	mm	5/4"					
	Outlet	mm	5/4"					
Water temperatures range	Heating	°C	25 - 65					
	Cooling	°C	5 - 25					
Main components	Water pump	Max. water flow	4,5					
		Power input	95					
	Water flow switch	Minimum flow	0,4			0,7		
	Expansion tank	Volume	8					
		Maximum pressure	3					
		Precharged pressure	1					
Electric heater	Mode	-	Automatic					
	Steps	-	1			1 / 3		
	Capacity	kW	3			3 / 9		
	Combination	kW	3			3 / 3/6/9		
	Power supply	V/Ph/Hz	220-240/1/50			220-240/1/50 / 380-415/3/50		
Heat exchanger	Type	-	Brazed plate					
	Quantity	-	1					
Safety valve	Pressure	bar	3					
Sound pressure level LpA	1 m	dB	47	48	49	54		57
	Unit dimensions	(w x h x d)	1295 x 718 x 429			1385 x 865 x 526		
Package dimension	(w x h x d)	1375 x 885 x 475			1465 x 1035 x 560			
Weight	Net/Gross	kg	86 / 107	105 / 132		144 / 172		
	Operating temperature range	Cooling	°C -5 - 43					
Heating		°C -25 - 35						
Water heating		°C -25 - 43						

CAPACITIES AND POWER INPUTS ARE BASED ON THE FOLLOWING CONDITIONS:

COOLING conditions: Indoor Water Temperature 23 °C / 18 °C. Outdoor Air Temperature 35 °C DB / 24 °C WB.

HEATING conditions: Indoor Water Temperature 30 °C / 35 °C. Outdoor Air Temperature 7 °C DB / 6 °C WB.

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (100% HFC-32), GWP of refrigerant used: 675. Sound pressure level is tested in a soundless chamber, actual values may be affected by local conditions.

18-30 kW**FEATURES**

- Possibility of control via internet with Comfort Home application
- High efficiency
- Circulatory pump with self-regulation of speed
- Integrated expansion vessel and safety valve
- Silent mode
- The outlet water temperature from 25 °C to 60 °C
- Possibility of a cascade connection with heating/cooling capacity up to 180 kW
- up to 6 units together

SMHM-180B-3
SMHM-220B-3
SMHM-260B-3
SMHM-300B-3



Model SMHM-			180B-3	220B-3	260B-3	300B-3
Capacity	Heating	kW	18	22	26	30,1
	Cooling	kW	18,5	23	27	31
Power input	Heating	kW	3,83	5	6,37	7,69
	Cooling	kW	3,89	5	6,27	7,75
COP	Heating	-	4,7	4,4	4,08	3,91
EER	Cooling	-	4,75	4,6	4,3	4
Energy class	Heating (55 °C / 35 °C)	-	A++ / A+++			
SCOP	Heating (55 °C / 35 °C)	-	3,2 / 4,6	3,23 / 4,53	3,15 / 4,5	3,15 / 4,2
Power supply		V/Ph/Hz	380-415/3/50			
Max. power input		kW	6,66	8,07	8,8	9,38
Max. current		A	28			
Refrigerant	Type	-	R32			
	Charge	kg	5			
Water pipes	Inlet	mm	1-1/4"			
	Outlet	mm	1-1/4"			
Water temperatures range	Heating	°C	25 - 60			
	Cooling	°C	5 - 25			
Main components	Water pump	Max. water flow	m ³ /h			
		Power input	W			
	Water flow switch	Minimum flow	l/min			
		Expansion tank	Volume	l		
	Electric heater	Maximum pressure	bar			
		Precharged pressure	bar			
		Mode	-			
	Heat exchanger	Steps	-			
		Capacity	kW			
		Combination	kW			
Power supply		V/Ph/Hz				
Safety valve	Heat exchanger	Type	-			
	Quantity	-				
Sound pressure level LpA	Pressure	bar	3			
	1 m	dB	60	62	64	66
Unit dimensions	(w x h x d)	mm	1129 x 1558 x 528			
Package dimension	(w x h x d)	mm	1220 x 1735 x 565			
Weight	Net/Gross	kg	177 / 206			
Operating temperature range	Cooling	°C	-5 - 46			
	Heating	°C	-25 - 35			
	Water heating	°C	-25 - 43			

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HEATING conditions: Indoor Water Temperature 30 °C / 35 °C. Outdoor Air Temperature 7 °C DB / 6 °C WB.

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DC INVERTER

ECOLOGICAL REFRIGERANT **R32**