

SPHERA-B Comfort

(SRHM-BC + MDAN-XMi)



TECHNICAL DATA

Size – SRHM-BC + MDAN-XMi		2.1	3.1	4.1	5.1	6.1	7.1	8.1
Unit for radiant panels								
A7/W35								
▶ Heating capacity	kW	4,23	6,33	8,09	9,69	12,2	14,2	15,8
Total power input	kW	0,81	1,31	1,77	2,11	2,54	2,91	3,28
COP (EN 14511:2013)	-	5,21	4,83	4,57	4,59	4,79	4,87	4,81
A2/W35								
▶ Heating capacity	kW	4,02	5,44	6,35	7,66	9,13	10,8	11,6
Total power input	kW	1,16	1,45	1,74	2,08	2,60	3,34	3,55
COP (EN 14511:2013)	-	3,46	3,75	3,65	3,68	3,52	3,23	3,26
A-7/W35								
▶ Heating capacity	kW	4,78	5,68	6,09	7,69	9,76	11,3	12,1
Total power input	kW	1,56	1,95	2,18	2,80	3,32	3,90	4,14
COP (EN 14511:2013)	-	3,06	2,91	2,79	2,75	2,94	2,90	2,91
A35/W18								
▶ Cooling capacity	kW	4,47	6,19	8,01	10,2	11,4	14,3	15,4
Total power input	kW	0,80	1,29	1,81	2,03	2,59	3,10	3,56
EER (EN 14511:2013)	-	5,58	4,80	4,43	5,00	4,40	4,63	4,33
Terminal units								
A7/W45								
▶ Heating capacity	kW	4,06	6,00	7,29	9,77	12,2	14,6	16,4
Total power input	kW	1,10	1,65	2,15	2,70	3,35	3,86	4,42
COP (EN 14511:2013)	-	3,69	3,64	3,39	3,62	3,65	3,79	3,72
A2/W45								
▶ Heating capacity	kW	4,04	5,52	6,74	7,30	9,16	11,3	11,7
Total power input	kW	1,32	1,83	2,39	2,57	3,32	3,99	4,30
COP (EN 14511:2013)	-	3,07	3,02	2,82	2,83	2,76	2,83	2,71
A-7/W45								
▶ Heating capacity	kW	3,98	4,96	5,54	8,69	9,31	11,1	11,3
Total power input	kW	1,69	2,08	2,51	3,84	4,25	4,94	5,24
COP (EN 14511:2013)	-	2,36	2,38	2,20	2,26	2,19	2,24	2,16
A35/W7								
▶ Cooling capacity	kW	4,34	6,24	7,57	9,52	11,3	14,2	15,5
Total power input	kW	1,27	2,05	2,73	3,20	4,25	5,14	5,71
EER (EN 14511:2013)	-	3,42	3,05	2,77	2,97	2,67	2,75	2,72
ESEER	-	4,82	4,58	3,85	3,57	4,32	4,07	4,02
Radiators								
A7/W55								
▶ Heating capacity	kW	3,96	5,43	6,66	8,87	10,3	13,1	14,8
Total power input	kW	1,34	1,82	2,45	3,27	3,86	4,40	5,37
COP (EN 14511:2013)	-	2,94	2,99	2,72	2,72	2,66	2,98	2,75
A2/W55								
▶ Heating capacity	kW	3,52	4,97	6,40	7,84	7,83	10,8	10,9
Total power input	kW	1,43	1,99	2,72	3,49	3,50	4,54	4,65
COP (EN 14511:2013)	-	2,46	2,50	2,35	2,25	2,24	2,38	2,35
A-7/W55								
▶ Heating capacity	kW	3,15	4,49	5,09	7,85	7,96	9,96	10,3
Total power input	kW	1,80	2,39	2,85	4,58	4,56	5,81	5,70
COP (EN 14511:2013)	-	1,75	1,88	1,79	1,71	1,74	1,71	1,81
Water flow-rate (User Side)	(1) l/s	0,20	0,30	0,39	0,47	0,56	0,66	0,74
Useful pump discharge head	kPa	50	50	47	42	54	49	42
Standard power supply	V	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Sound pressure level (1m) outdoor unit	dB(A)	46	48	50	52	54	55	55
Min inlet air temperature (W.B.)	°C	-20	-20	-20	-20	-20	-20	-20
Max. leaving water temperature	°C	60	60	60	60	60	60	60

Notes

(1) A7/W35 internal exchanger water 30/35°C; external air temperature 7°C D.B./ 6°C W.B.

Performances according to EN 14511:2013

A7/W35 internal exchanger water 30/35°C; external air temperature 7°C D.B./ 6°C W.B.

A2/W35 internal exchanger water 30/35°C; external air temperature 2°C D.B./ 1,1°C W.B.

A-7/W35 internal exchanger water 30/35°C; external air temperature -7°C D.B./ -8°C W.B.

A7/W45 internal exchanger water 40/45°C; external air temperature 7°C D.B./ 6°C W.B.

A2/W45 internal exchanger water 40/45°C; external air temperature 2°C D.B./ 1,1°C W.B.

A-7/W45 internal exchanger water 40/45°C; external air temperature -7°C D.B./ -8°C W.B.

A7/W55 internal exchanger water 50/55°C; external air temperature 7°C D.B./ 6°C W.B.

A2/W55 internal exchanger water 50/55°C; external air temperature 2°C D.B./ 1,1°C W.B.

A-7/W55 internal exchanger water 50/55°C; external air temperature -7°C D.B./ -8°C W.B.

A35/W18 internal exchanger water 23/18°C; external air temperature 35°C

A35/W7 internal exchanger water 12/7°C; external air temperature 35°C

Two-section air-water reversible heat pump



Refrigerant R-410A



ELFOControl²



Full Inverter DC



ErP

Size – SRHM-BC + MDAN-XMi

ErP System Energy Class - AVERAGE Climate - W55	(1)	-	2.1	3.1	4.1	5.1	6.1	7.1	8.1
ErP Space Heating Energy Class - AVERAGE Climate - W55	(2)	-	A++	A++	A++	A++	A++	A++	A++

Notes

The Product is compliant with the ErP (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 811/2013 (rated heat output ≤ 70 kW at specified reference conditions) and the Commission delegated Regulation (EU) No 813/2013 (rated heat output ≤ 400 kW at specified reference conditions)

(1) Seasonal Space Heating Energy Efficiency Class of the package according to Commission delegated Regulation (EU) No 811/2013

(2) Seasonal Space Heating Energy Efficiency Class according to Commission delegated Regulation (EU) No 811/2013. W = Water outlet temperature (°C)

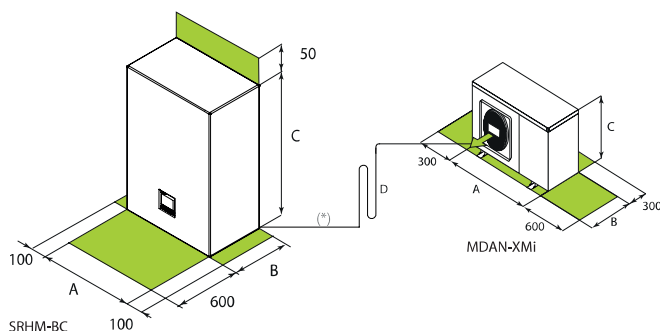
ACCESSORIES

Size – SRHM-BC + MDAN-XMi	2.1	3.1	4.1	5.1	6.1	7.1	8.1
Basic configuration (230/1/50)	std	std	std	std	std	std	std
Basic configuration (400/3/50)	-	-	-	-	option	option	option

EH246X	2-4 and 6 kW integration electric heater
ACS300X	300-litre domestic hot water storage
ACS500X	500-litre domestic hot water storage
ACS35X	300-litre domestic hot water storage with coil for solar applications
ACS55X	500-litre domestic hot water storage with coil for solar applications
HIDT15²BX	Temperature and humidity thermostat / Remote control with touch screen display, for built-in installation (box 503) or for wall installation. White
HIDT15²NX	Temperature and humidity thermostat / Remote control with touch screen display, for built-in installation (box 503) or for wall installation. Black
AMRX	Rubber antivibration mounts
AL12X	Power supply unit for HIDT152 thermostats and HID-UR sensor
KIRE2HX	2 zones: external kit, both at high temperature
KIRE2HLX	2 zones: external kit, high temperature + low temperature (mixed)
DTX	Auxiliary condensate collection tray

Accessories whose code ends with "X" are separately supplied.

DIMENSIONS



Size – SRHM-BC	A	B
A - Length	mm	462
B - Width	mm	316
C - Height	mm	698
Operating weight	kg	48

Size – MDAN-XMi	2.1	3.1	4.1	5.1	6.1	7.1	8.1
A - Length	mm	960	960	1075	900	900	900
B - Width	mm	380	380	395	400	400	400
C - Height	mm	860	860	965	1327	1327	1327
D - Max length of cooling lines	m	20	20	30	50	50	50
D - Max difference of cooling lines	m	15	15	15	25	25	25
Operating weight	kg	60	60	76	109	109	109

ATTENTION! For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

(*) Unit hydraulic and gas connections