

Compress 7001iAW and AWE wall hung indoor unit

Technical information

Suitable for renovation projects (building dependent) and new build, our Compress 7001iAW outdoor unit monobloc design houses all refrigeration circuit components, including the inverter and circuit boards, keeping maintenance low.

Features and benefits

- ▶ Quiet operation
- ▶ Inverter-driven compressor
- ▶ Integrated drain tray
- ▶ Coastal protection as standard
- ▶ Compatible with external cylinders
- ▶ Electric booster heater as standard
- ▶ Large high resolution display.



Product name (outdoor unit)	Compress 7001i AW 5kW	Compress 7001i AW 7kW	Compress 7001i AW 9kW	Compress 7001i AW 13kW	Compress 7001i AW 17kW
Part number (outdoor unit)	8 738 210 255	8 738 210 256	8 738 210 257	7 738 602 089	7 738 601 998
Product name (indoor unit)	AWE 5-9kW	AWE 5-9kW	AWE 5-9kW	AWE 13-17kW	AWE 13-17kW
Part number (indoor unit)	7 738 602 107	7 738 602 107	7 738 602 107	7 738 602 108	7 738 602 108

ErP Data					
Regulation year	2019	2019	2019	2019	2019
Regulation code	811/2013	811/2013	811/2013	811/2013	811/2013
Energy efficiency class (35°C)	A+++	A+++	A+++	A+++	A+++
Energy efficiency class (55°C)	A++	A++	A++	A++	A++
Water heating efficiency class	TBC	TBC	TBC	TBC	TBC
Water heating declared load profile	L	L	L	L	XL
Heating power at A2/W35*	5.32	6.26	8.95	13.07	14.37
Coefficient of performance (COP) at +7/W35*	4.69	5.31	5.02	4.68	4.87
Sound pressure level at a distance of 1m dB(A)	39	39	40	47	45
Sound power levels outdoors dB(A)**	47	47	48	55	53
Maximum temperature of flow (heat pump only)	62°C	62°C	62°C	62°C	62°C

*Performance data in accordance with EN 14511.

**Sound level in accordance with EN 12102.

Accessories

50 litre buffer tank	Acoustic hood	Green Storage WB Range Heat Pump cylinder
		

Controls

CR10H Room controller


Technical Specifications

Product	Compress 7001i AW 5kW	Compress 7001i AW 7kW	Compress 7001i AW 9kW	Compress 7001i AW 13kW	Compress 7001i AW 17kW
Heating power at A-7/W35*	4.7	5.93	6.21	11.5	13.02
Seasonal space heating energy efficiency nS% (35°C)	183%	203%	194%	179%	191%
Seasonal space heating energy efficiency nS% (55°C)	131%	144%	145%	126%	142%
Seasonal space heating energy efficiency nS% (55°C) with supplied temperature	133%	146%	147%	128%	144%
Seasonal coefficient of performance (SCOP) (35°C)	4.65	5.16	4.93	4.54	4.85
Seasonal coefficient of performance (SCOP) (55°C)	3.34	3.67	3.70	3.24	3.61
Seasonal coefficient of performance (SCOP) (55°C) with supplied temperature	3.40	3.73	3.75	3.28	3.68
Fuse rating for supplying the heat pump directly via the building connection**	10	16	16	25	13
Seasonal water heating energy efficiency nwh% (average climate)	N/A	N/A	N/A	N/A	N/A
Dimensions (WxHxD mm) - outdoor unit	930x1380x440	930x1380x440	930x1380x440	1122x1695x545	1122x1695x545
Weight (kg) - outdoor unit (without walls and top cover)	89	89	96	154	165
Weight (kg) - outdoor unit (with walls and top cover)	106	107	114	182	193
Dimensions (WxHxD mm) - indoor unit	495x700x386	495x700x386	495x700x386	495x700x386	495x700x386
Weight (kg) - indoor unit	32	32	32	32	32
Expansion vessel (heating) - capacity (l)	8	8	8	8	8
Combination indoor unit	No	No	No	No	No
Integral stainless steel tank capacity (l)	N/A	N/A	N/A	N/A	N/A
Standby heatloss (kWh/24h)	N/A	N/A	N/A	N/A	N/A
Working outdoor temperature range (heating)	-20/35°C	-20/35°C	20/35°C	20/35°C	20/35°C
Compressor type	Twin rotary compressor	Twin rotary compressor	Twin rotary compressor	Twin rotary compressor	Twin rotary compressor
Power supply - outdoor unit	230V 1N AC 50Hz	230V 1N AC 50Hz	230V 1N AC 50Hz	230V 1N AC 50Hz	230V 1N AC 50Hz
Electric booster heater (standard)	Yes	Yes	Yes	Yes	Yes
Pump type PCO	Grundfos UPM2K 25-75 PWM	Grundfos UPM2K 25-75 PWM	Grundfos UPM2K 25-75 PWM	Grundfos UPM GEO 25-85 PWM	Grundfos UPM GEO 25-85 PWM
Clearances of outdoor unit (front/side/back mm)	2000/2000/400†	2000/2000/400†	2000/2000/400†	2000/2000/400†	2000/2000/400†
Clearances of outdoor unit - with acoustic hood (front/side/back mm)	2000/2000/700†	2000/2000/700†	2000/2000/700†	2000/2000/700†	2000/2000/700†
Ingress protection rating - indoor unit	IPX1	IPX1	IPX1	IPX1	IPX1
Ingress protection rating - outdoor unit	IPX4	IPX4	IPX4	IPX4	IPX4
Temperature controller (weather compensation supplied)	Yes	Yes	Yes	Yes	Yes
Refrigerant type	R410A	R410A	R410A	R410A	R410A
Refrigerant charge (kg)	1.7	1.75	2.35	3.3	4.0

*Performance data in accordance with EN 14511.

**Fuse class gL/C.

†Clearance can be reduced on one side. This may lead to a higher noise level.

To find out more visit worcester-bosch.co.uk/heatpumps