



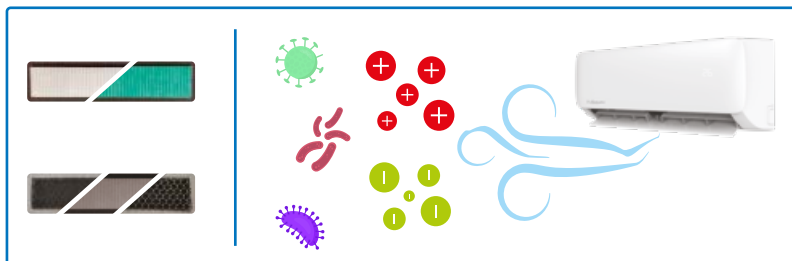
Smeraldo M

Wall hung multisplit DC inverter in heat pump

- R32 Eco Coolant
- Efficiency Class A++ / A+++
- **4 Filters: Cold Catalyst, Active Carbon, Silver Ion and Biohepa.**
New four-layer filter technology that purifies the air and removes gases, odours, formaldehydes, pollutants, bacteria, viruses and fungi from it
- New **Super Ioniser** that releases millions of ions to drastically reduce the presence of viruses and bacteria in the air
- Remote control with dedicated smartphone App
- **Compatible with the "Amazon Alexa" and "Google Home" voice assistants**
- Wide range of combinable powers
- Outdoor unit combinable with different types of indoor units
- Temperature display on board the machine
- Featuring direct current inverter technology
- Indoor unit with particularly appealing and modern design
- Outdoor unit equipped with fitting covers and sound-absorbent jacket
- Easily removable intake grille and filters for quick cleaning
- Automatic restart in case of a power outage
- Night operating mode / "AUTOMATIC" mode / Timer function
- Outdoor unit treated with protective anti-rust substances
- Wi-fi connectivity included



QUADRUPLE FILTER TECHNOLOGY & SUPER IONIZER



COMPATIBLE WITH

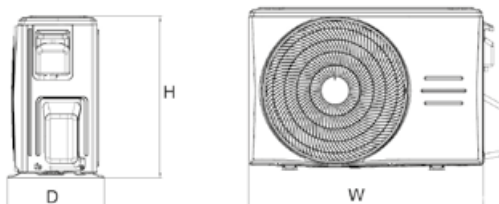


Indoor unit



MODEL	W mm	H mm	D mm	Weight kg
9	726	291	210	8,0
12	835	295	208	8,7
18	969	320	241	11,2

Outdoor unit



MODEL	W mm	H mm	D mm	Weight kg
18-2	805	554	330	35,0
27-3	890	673	342	48,0
28-4	946	810	410	62,1

Outdoor unit*			18-2	27-3	28-4
Power supply			V-Ph-Hz	220/240 V - 1 phase - 50Hz	
Cooling power ⁽¹⁾	nominal	W	5,275	7,915	8,205
	min-max	W	2,225 ~ 5,570	3,025 ~ 8,500	2,490 ~ 10,255
Power absorbed in cooling	nominal	W	1,635	2,450	2,500
	min-max	W	690 ~ 2,000	230 ~ 3,250	150 ~ 3,340
Current absorbed in cooling	nominal	A	7.1	11.2	10.9
	min-max	A	3.2 ~ 9.0	2.1 ~ 14.7	1.3 ~ 14.5
EER ref. Standard EN14511 (nominal)			3.23	3.23	3.23
Cooling	SEER		6.1	6.1	7
	PdesignC	kW	5.3	7.9	8.2
	Class ErP		A++	A++	A++
Thermal power ⁽²⁾	nominal	W	5,570	8,205	8,790
	min-max	W	2,340 ~ 5,625	2,200 ~ 8,500	1,605 ~ 10,140
Power absorbed in heating	nominal	W	1,500	2,210	2,400
	min-max	W	600 ~ 1,780	330 ~ 2,960	280 ~ 3,200
Current absorbed in heating	nominal	A	6.6	10.1	10.4
	min-max	A	2.80 ~ 7.95	2.6 ~ 13.5	1.98 ~ 14.0
COP ref. Standard EN14511 (nominal)			3.71	3.71	3.71
Heating Moderate climate zone	SCOP		4.0	4.0	4.0
	PdesignH	kW	4.5	5.7	6.8
	Class ErP		A+	A+	A+
	Tbiv / Tol	°C	-7 / -15	-7 / -15	-7 / -15
Heating Warm climate zone	SCOP		5.1	5.1	5.1
	PdesignH	kW	5	6	6.8
	Class ErP		A+++	A+++	A+++
	Tbiv / Tol	°C	2 / -15	2 / -15	2 / -15
Maximum power absorbed			W	3,050	4,100
Maximum current absorbed			A	13	18
Inrush current			A	Negligible thanks to inverter technology	
Outdoor unit	Air flow rate	m³/h	2,100	3,000	3,800
	Sound pressure ⁽³⁾	dB(A)	54	55	63.0
	Sound power	dB(A)	65	68	68
Refrigerant gas	Type / GWP		R32 / 675		
	Load quantity	kg	1.25	1.85	2.1
CODE			2CP001PL	2CP001RL	2CP001SL

Indoor unit		9	12	18
Cooling performance	W	2,640	3,515	5,275
Thermal performance	W	2,930	3,810	5,570
Air flow rate (max-med-min)	m³/h	520 / 460 / 330	530 / 400 / 350	800 / 600 / 500
Sound pressure (max-med-min-slo)	dB(A)	37 / 32 / 22 / 20	37 / 32 / 22 / 21	41 / 37 / 31 / 20
Sound pressure (max)	dB(A)	54	56	56
Liquid / gas line connections	inches	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"
CODE		2CP001HL	2CP001IL	2CP001JL

(1) External air temperature = 35°C D.B. • Room air temperature = 27°C D.B. / 19°C W.B. - (2) External air temperature = 7°C D.B. / 6°C W.B. • Room air temperature = 20°C D.B. - (3) Sound pressure measured at a distance of 1 m. E.U. in open area, I.U. in 100 m³ room with 0.5 second reverberation time * Nominal data, check combinations on the following pages

Reversible air conditioners in heat pump

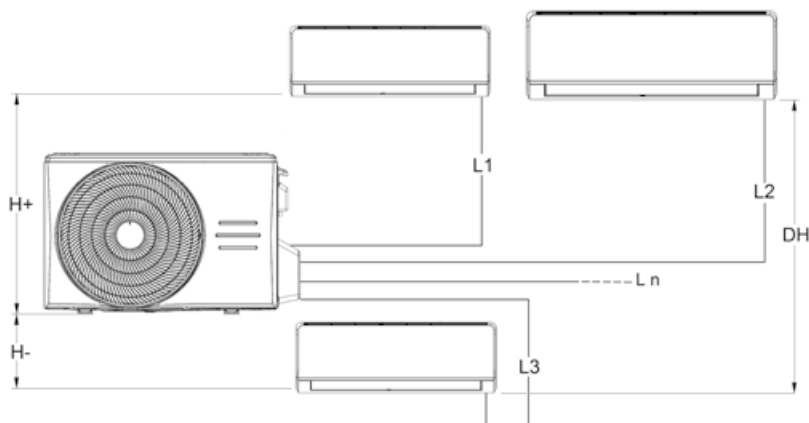
Field of application

OPERATING MODE	PARAMETER		INDOOR SIDE	OUTDOOR SIDE
Cooling	Input air max/min temperature (B.S.)	°C	32 / 17	50 / -15
Heating	Input air max/min temperature (B.S.)	°C	30 / 0	30 / -15
All	Power voltage / frequency	V	230±10% / 50±2	

LIMITS ON LENGTH AND HEIGHT DIFFERENCE OF COOLING PIPES

The length of the cooling pipes between the indoor and outdoor units must be the shortest possible and is, in any case, limited by the maximum values in height difference between the two units.

With the decrease in the difference in height between the units (H1,H2) and the length of the pipes (L), the load loss will be limited, thus increasing the overall performance of the machine. Observe the limits indicated in the following tables.



Outdoor unit			18-2	27-3			28-4			
Diameter	Liquid	"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas	"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"
Tot. maximum length		m	40	60			80			
Maximum length single unit		m	25	30			35			
Maximum height difference	H+	m	15	15			15			
	H-	m	15	15			15			
	DH	m	10	10			10			
Total maximum length of pipes with standard load		m	7.5	7.5			7.5			
Additional quantity of refrigerant per metre		g/m	12	12	12	12	12	12	12	24

Table of possible combinations

Outdoor unit	Indoor unit connected					
	1	2	3	4	5	6
18-2	9K	9K+9K	-	non previsto		non previsto
	12K	9K+12K	-			
	18K	12K+12K	-			
27-3	9K	9K+9K	12K+12K	9K+9K+9K	9K+12K+12K	non previsto
	12K	9K+12K	12K+18K	9K+9K+12K	12K+12K+12K	
	18K	9K+18K	-	9K+9K+18K	-	
28-4	9K	9K+9K	12K+12K	9K+9K+9K	9K+12K+12K	9K+9K+9K+9K
	12K	9K+12K	12K+18K	9K+9K+12K	12K+12K+12K	9K+9K+9K+12K
	18K	9K+18K	18K+18K	9K+9K+18K	-	-

NB:

- combinations for which the total power required by the indoor units is compatible with the nominal power of the outdoor unit.
- combinations for which the total power required by the indoor units is higher than the nominal power of the outdoor unit. In the event of a simultaneous request for power by all the units connected, the power available for the individual units will be in line with the indications given in the previous table.

Performance in cooling mode

EU	IU	Combination	Partial capacity (kW)				Total capacity in cooling (kW)			Power absorbed			Current absorbed			EER	SEER	Energy class
			Room							Total (kW)			Total (A)					
			A	B	C	D	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Nom		
18-2	1	9	2.50	—	—	—	1.43	2.50	3.20	0.35	0.75	0.93	1.52	3.24	4.06	3.35	—	—
		12	3.50	—	—	—	1.43	3.50	3.90	0.35	1.08	1.29	1.52	4.68	5.62	3.25	—	—
	2	9+9	2.65	2.65	—	—	2.12	5.30	6.41	0.54	1.64	2.05	2.35	7.13	8.92	3.23	6.1	A++
		9+12	2.27	3.03	—	—	2.12	5.30	6.41	0.54	1.64	2.05	2.35	7.13	8.92	3.23	6.1	A++
		12+12	2.65	2.65	—	—	2.12	5.30	6.41	0.54	1.64	2.05	2.35	7.13	8.92	3.23	6.1	A++
27.3	2	9+9	2.65	2.65	—	—	2.21	5.30	7.11	0.64	1.64	2.45	2.76	7.13	10.63	3.23	5.6	A+
		9+12	2.57	3.43	—	—	2.21	6.00	7.51	0.64	1.86	2.57	2.76	8.08	11.17	3.23	5.6	A+
		9+18	2.27	4.53	—	—	2.21	6.80	7.90	0.64	2.09	2.69	2.76	9.10	11.70	3.25	5.6	A+
		12+12	3.15	3.15	—	—	2.21	6.30	7.66	0.64	1.94	2.64	2.76	8.45	11.48	3.24	5.6	A+
		12+18	2.72	4.08	—	—	2.21	6.80	7.90	0.64	2.09	2.69	2.76	9.10	11.70	3.25	5.6	A+
	3	9+9+9	2.63	2.63	2.63	—	2.77	7.90	8.69	0.76	2.45	2.91	3.30	10.63	12.65	3.23	6.1	A++
		9+9+12	2.37	2.37	3.16	—	2.77	7.90	8.69	0.76	2.45	2.91	3.30	10.63	12.65	3.23	6.1	A++
		9+12+12	2.15	2.87	2.87	—	2.77	7.90	8.69	0.76	2.45	2.91	3.30	10.63	12.65	3.23	6.1	A++
		12+12+12	2.63	2.63	2.63	—	2.77	7.90	8.69	0.76	2.45	2.91	3.30	10.63	12.65	3.23	6.1	A++
		9+9	2.65	2.65	—	—	2.05	5.30	6.81	0.63	1.64	2.28	2.76	7.13	9.93	3.23	5.1	A
		9+12	2.57	3.43	—	—	2.05	6.00	6.97	0.63	1.86	2.41	2.76	8.08	10.49	3.23	5.1	A
		9+18	2.43	4.87	—	—	2.05	7.30	7.54	0.63	2.26	2.79	2.76	9.83	12.14	3.23	5.1	A
28.4	2	12+12	3.25	3.25	—	—	2.05	6.50	7.38	0.63	2.01	2.49	2.76	8.75	10.82	3.23	5.1	A
		12+18	2.92	4.38	—	—	2.05	7.30	7.54	0.63	2.26	2.79	2.76	9.83	12.14	3.23	5.1	A
		18+18	3.75	3.75	—	—	2.05	7.50	7.54	0.63	2.32	2.79	2.76	10.10	12.14	3.23	5.1	A
		9+9+9	2.37	2.37	2.37	—	2.62	7.10	8.45	0.76	2.20	2.94	3.31	9.56	12.80	3.23	5.6	A+
		9+9+12	2.34	2.34	3.12	—	2.62	7.80	8.45	0.76	2.41	2.94	3.31	10.50	12.80	3.23	5.6	A+
		9+9+18	1.95	1.95	3.90	—	2.62	7.80	8.45	0.76	2.41	2.94	3.31	10.50	12.80	3.23	5.6	A+
	3	9+12+12	2.13	2.84	2.84	—	2.62	7.80	8.45	0.76	2.41	2.94	3.31	10.50	12.80	3.23	5.6	A+
		9+12+18	1.80	2.40	3.60	—	2.62	7.80	8.45	0.76	2.41	2.94	3.31	10.50	12.80	3.23	5.6	A+
		12+12+12	2.60	2.60	2.60	—	2.62	7.80	8.45	0.76	2.41	2.94	3.31	10.50	12.80	3.23	5.6	A+
		9+9+9+9	2.05	2.05	2.05	2.05	2.87	8.20	9.92	0.86	2.54	3.17	3.75	11.04	13.80	3.23	7.0	A++
		9+9+9+12	1.89	1.89	1.89	2.52	2.87	8.20	9.92	0.86	2.54	3.17	3.75	11.04	13.80	3.23	7.0	A++

Reversible air conditioners in heat pump

Performance in heating mode

EU	IU	Combination	Partial capacity (kW)				Total capacity in heating (kW)			Power absorbed Total (kW)			Current absorbed Total (A)			COP	SCOP	Energy class
			Room				Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Nom		
			A	B	C	D												
18-2	1	9	3.00	—	—	—	1.56	3.00	3.63	0.32	0.80	1.00	1.39	3.48	4.35	3.75	—	—
		12	3.80	—	—	—	1.56	3.80	4.60	0.32	1.02	1.23	1.39	4.45	5.34	3.71	—	—
	2	9+9	2.79	2.79	—	—	2.23	5.57	6.68	0.51	1.50	1.88	2.22	6.53	8.16	3.71	4.0	A+
		9+12	2.40	3.20	—	—	2.23	5.60	6.68	0.51	1.51	1.88	2.22	6.56	8.16	3.71	4.0	A+
		12+12	2.80	2.80	—	—	2.23	5.60	6.96	0.51	1.51	1.88	2.22	6.56	8.16	3.71	4.0	A+
27-3	2	9+9	3.00	3.00	—	—	2.30	6.00	7.38	0.57	1.62	2.21	2.50	7.03	9.61	3.71	3.8	A
		9+12	2.70	3.60	—	—	2.30	6.30	7.79	0.57	1.70	2.32	2.50	7.38	10.09	3.71	3.8	A
		9+18	2.33	4.67	—	—	2.30	7.00	8.20	0.57	1.89	2.43	2.50	8.20	10.57	3.71	3.8	A
		12+12	3.25	3.25	—	—	2.30	6.50	7.95	0.57	1.75	2.39	2.50	7.62	10.38	3.71	3.8	A
		12+18	2.80	4.20	—	—	2.30	7.00	8.20	0.57	1.89	2.43	2.50	8.20	10.57	3.71	3.8	A
	3	9+9+9	2.73	2.73	2.73	—	2.87	8.20	9.84	0.69	2.21	2.76	2.98	9.61	12.01	3.71	4.0	A+
		9+9+12	2.49	2.49	3.32	—	2.87	8.30	9.84	0.69	2.24	2.76	2.98	9.73	12.01	3.71	4.0	A+
		9+12+12	2.26	3.02	3.02	—	2.87	8.30	9.84	0.69	2.24	2.76	2.98	9.73	12.01	3.71	4.0	A+
		12+12+12	2.77	2.77	2.77	—	2.87	8.30	9.84	0.69	2.24	2.76	2.98	9.73	12.01	3.71	4.0	A+
28-4	2	9+9	3.00	3.00	—	—	2.20	6.00	7.30	0.59	1.62	2.13	2.58	7.03	9.28	3.71	3.4	A
		9+12	3.00	4.00	—	—	2.20	7.00	7.48	0.59	1.89	2.25	2.58	8.20	9.80	3.71	3.4	A
		9+18	2.63	5.27	—	—	2.20	7.90	8.10	0.59	2.13	2.61	2.58	9.26	11.34	3.71	3.4	A
		12+12	3.75	3.75	—	—	2.20	7.50	7.92	0.59	2.02	2.32	2.58	8.79	10.11	3.71	3.4	A
		12+18	3.20	4.80	—	—	2.20	8.00	8.10	0.59	2.16	2.61	2.58	9.38	11.34	3.71	3.4	A
		18+18	4.00	4.00	—	—	2.20	8.00	8.10	0.59	2.16	2.61	2.58	9.38	11.34	3.71	3.4	A
	3	9+9+9	2.87	2.87	2.87	—	2.82	8.60	9.06	0.71	2.32	2.75	3.09	10.08	11.96	3.71	3.5	A
		9+9+12	2.58	2.58	3.44	—	2.82	8.60	9.06	0.71	2.32	2.75	3.09	10.08	11.96	3.71	3.5	A
		9+9+18	2.15	2.15	4.30	—	2.82	8.60	9.06	0.71	2.32	2.75	3.09	10.08	11.96	3.71	3.5	A
		9+12+12	2.35	3.13	3.13	—	2.82	8.60	9.06	0.71	2.32	2.75	3.09	10.08	11.96	3.71	3.5	A
		9+12+18	1.98	2.65	3.97	—	2.82	8.60	9.06	0.71	2.32	2.75	3.09	10.08	11.96	3.71	3.5	A
		12+12+12	2.87	2.87	2.87	—	2.82	8.60	9.06	0.71	2.32	2.75	3.09	10.08	11.96	3.71	3.5	A
	4	9+9+9+9	2.23	2.23	2.23	2.2	3.08	8.90	10.65	0.81	2.40	2.96	3.51	10.43	12.89	3.71	4.0	A+
		9+9+9+12	2.10	2.10	2.10	2.8	3.08	9.10	10.65	0.81	2.45	2.96	3.51	10.66	12.89	3.71	4.0	A+