

Ferrolli



Diamant S

Wall hung monosplit DC inverter in heat pump



THERE ARE NEW ADDITIONS AT FERROLI

The latest addition at Ferrolì is appreciated for its elegant lines and sleek machine body. It combines design, technology, eco-friendly quality and energy-saving, where Ferrolì has always been in the forefront.



R32
Eco-Friendly
Coolant. In compliance with the Montreal protocol, it does not damage the ozone because it is HCFC-free

GENERAL



2-year
European
warranty



The products are all ROHS compliant according to Directive 2002/95/EC



Direct current (DC) INVERTER technology



Infrared remote control to control all of the functions of the air conditioner

STANDARD SUPPLY



AUTO
operation; it automatically enables Cool/Heat operation based on room temperature and Set Point



Cooling operation



DRY operating mode; it accentuates summer de-humidification phenomenon



Heating operation



FAN operation; it starts the indoor unit in ventilation mode only



SWING function (motorised deflecting fin)



TURBO function brings operation to maximum load to reach the SET POINT quickly



NIGHT operation (SLEEP). Increases night comfort



Timer



Maintaining memory and automatic restarting in case of power outages

STANDARD FUNCTIONS



8°C
Frost Protection function, sets a minimum anti-frost safety set point of 8°C



+
Self-diagnosis System and description of any anomalies



Remote control with dedicated Smartphone App

SPECIAL FUNCTIONS



DIAMANT S

4 SIZES TO MEET EVERY NEED

GENERAL CHARACTERISTICS:

- R32 Eco Coolant
- Efficiency Class A++ / A+
- Remote control with dedicated smartphone App
- 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



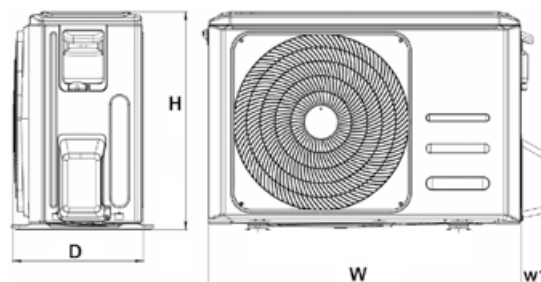
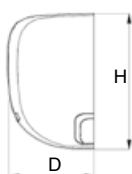
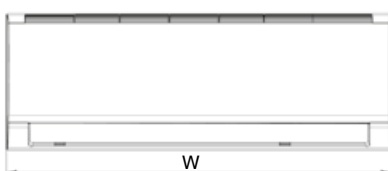


TECHNICAL DATA

Summary table - Specifications

MODEL			9	12	18	24
ERP Class	Cooling	(Class E - A++)	A ⁺	A ⁺	A ⁺	A ⁺
	Heating	(Class E - A++)	A ⁺	A ⁺	A ⁺	A ⁺
Power supply		V-f-Hz	230-1-50			
Cooling capacity ⁽¹⁾	Rated	W	2640	3520	5280	7040
	Min-Max	W	910-3400	1115-4160	1820-6130	2080-7950
Total power absorbed in cooling ⁽¹⁾	Rated	W	710	1237	1539	2345
	Min-Max	W	100-1240	130-1580	140-2360	160-2690
Rated current in cooling ⁽¹⁾		A	3.1	5.4	6.9	10.2
Dehumidification ⁽¹⁾		l/h	0.8	1.4	1.8	2.4
EER ref. Standard EN14511 (nominal) ⁽¹⁾		W/W	3.72	2.85	3.43	3.00
SEER ref. Standard EN14825		W/W	6.20	6.10	7.10	6.10
PdesignC		kW	2.6	3.5	5.2	7.0
Heat output ⁽²⁾	Rated	W	2930	3810	5570	7330
	Min-Max	W	820-3370	1085-4220	1380-6745	1610-8800
Total absorbed power in heating ⁽²⁾	Rated	W	739	964	1480	2035
	Min-Max	W	120-1200	100-1580	200-2410	260-3140
Rated current in heating ⁽²⁾		A	3.3	4.2	6.6	9.2
COP ref. Standard EN14511 (nominal) ⁽²⁾		W/W	3.96	3.95	3.76	3.60
SCOP ref. Standard EN14825		W/W	4.00	4.00	4.00	4.00
Reference climatic zone ref. Standard EN14825		Type	A (moderate)			
PdesignH		kW	2.1	2.3	4.1	4.8
Balance temp T _{biv} / Limit use temp Tol		°C	-7 / -15	-7 / -15	-7 / -15	-7 / -15
Consumption in standby		W	0.5	0.5	0.5	0.5
Flow rate of indoor unit (Max-med-min)		m ³ /h	520/460/360	600/500/360	840/680/540	980/817/662
Sound pressure of indoor unit (Max-med-min) ⁽³⁾		dB(A)	40/30/26	40/34/26	43/37/30	44.5/42/34.5
Indoor unit sound power (Max)		dB(A)	53	53	55	59
Outdoor unit air flow rate		m ³ /h	1700	1700	2500	3000
Outdoor unit sound pressure ⁽³⁾		dB(A)	55.5	56	56	59.5
Outdoor unit sound power		dB(A)	61	65	61	67
Refrigerant		Type	R32			
GWP		tCO ₂ eq.	675			
Refrigerant charge		Kg	0.5	0.5	1.0	1.6
Liquid / gas line fittings		inch	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8
Maximum cooling lines length		m	25	25	30	50
Maximum height difference		m	10	10	20	25
Indoor / outdoor unit net weight		Kg	7.5 / 22.7	7.5 / 22.7	10 / 34	12.3 / 51.5

(1) Outdoor air temperature = 35°CDB • Room air temperature = 27°C DB / 19°CWB. (2) Outdoor air temperature = 7°CDB / 6°CWB • Room air temperature = 20°CDB. (3) Sound pressure measured at a distance of 1 m: E.U. in open field, I.U. in a space of 100 m³ with a reverberation time of 0.5 seconds



MODEL	W mm	H mm	D mm
9	805	285	194
12	805	285	194
18	957	302	213
24	1040	327	220

MODEL	W mm	W1 mm	H mm	D mm
9	700	73	550	275
12	700	73	550	275
18	800	70	554	333
24	845	69	702	363



NOTICE FOR SALES AGENTS:

In view to constantly improve its production range and customer satisfaction levels, the Company hereby specifies that aesthetic and/or dimensional features, specifications and accessories may be subject to changes.

Please place the utmost care to ensure all technical and/or sales documents (lists, catalogues, brochures, etc.) provided to the final Customer are updated according to the latest edition.

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