



# Elegant Ceiling Air Conditioning

The *Elegant Sabiana air conditioners* allow, at very economical cost, to heat and cool small and medium size environments, like shops, show rooms, workshops, supermarkets. The range is made up of 15 models: 10 RE models, for heating only and 5 PE models, for heating and cooling. All models are for ceiling installation and for hot/chilled water supply.

The air conditioners are supplied with a 3 speed motor. On request motors with integrated electronic circuit are available, they allow to control the air flow from 0 to 100%. The intake of the air is from the bottom side of the unit and the air supply is from the 4 lateral grids which have individually controllable louvres for the best distribution of the air.



The connection to the battery can be made either from the upper or from the lateral side, in accordance to the installation with or without false ceiling. The condensate drain is made through an electronically controlled micro-pump, supplied on every standard PE model.

Different remote controls of the air flow and of the room temperature are available and it is possible to control up to 10 units with only 1 remote control.

Beside the low installation and running cost, the Elegant air conditioners offer the following advantages:

- they are versatile and provide flexibility of installation: also where there is no false ceiling it is possible to distribute the air evenly.
- they provide easy control and are easily installed.
- they take a low amount of the valuable space in the room, there is not any ducting system and the walls are free.



## Main Technical Characteristics

	MODEL		RE 11	RE 21	RE 31	RE 41	RE 51	RE 12	RE 22	RE 32	RE 42	RE 52					
			PE 12	PE 22	PE 32	PE 42	PE 52										
<b>Heating</b>	Emission																
	High speed	kW	8.3	10.3	11.9	14.0	15.6	13.9	17.7	20.8	24.3	27.1					
	Med speed	kW	7.3	9.1	10.6	12.0	13.7	11.9	15.2	17.9	20.3	23.4					
	Low speed	kW	6.6	8.1	9.5	10.8	12.2	10.1	12.8	15.7	18.3	20.3					
<b>Cooling</b>	Total emission																
	High speed	kW	-	-	-	-	-	4.93	4.20	6.82	5.66	8.20	7.04	9.59	8.98	10.26	9.88
	Med speed	kW	-	-	-	-	-	4.24	3.48	5.92	4.76	7.16	5.92	7.80	6.81	9.17	8.44
	Low speed	kW	-	-	-	-	-	3.72	2.98	5.06	3.96	6.45	5.22	6.87	5.80	8.21	7.28
<b>Air flow</b>	High speed	m <sup>3</sup> /h	1750	2350	3200	4500	5300	1650	2200	3000	4300	5000					
	Med speed	m <sup>3</sup> /h	1350	1850	2500	3000	4300	1250	1700	2300	2800	3900					
	Low speed	m <sup>3</sup> /h	1100	1450	2100	2400	3400	1000	1300	1900	2200	3100					
<b>Noise pressure level at 4 m</b>	High speed	dB(A)	49	52	53	56	58	49	52	53	56	58					
	Med speed	dB(A)	43	48	48	49	53	43	48	48	49	53					
	Low speed	dB(A)	37	41	42	43	49	37	41	42	43	49					
<b>Electric motor IP44</b>	230V - mf 50Hz	W	102	196	221	275	400	102	196	221	275	400					
		A	0.5	1.0	1.1	1.3	1.7	0.5	1.0	1.1	1.3	1.7					
		μF	2.5	2.5	4	5	8	2.5	2.5	4	5	8					

### Note:

Maximum working pressure: 10 bar

Battery test pressure: 22 bar

The following standard rating conditions are used:

**HEATING**

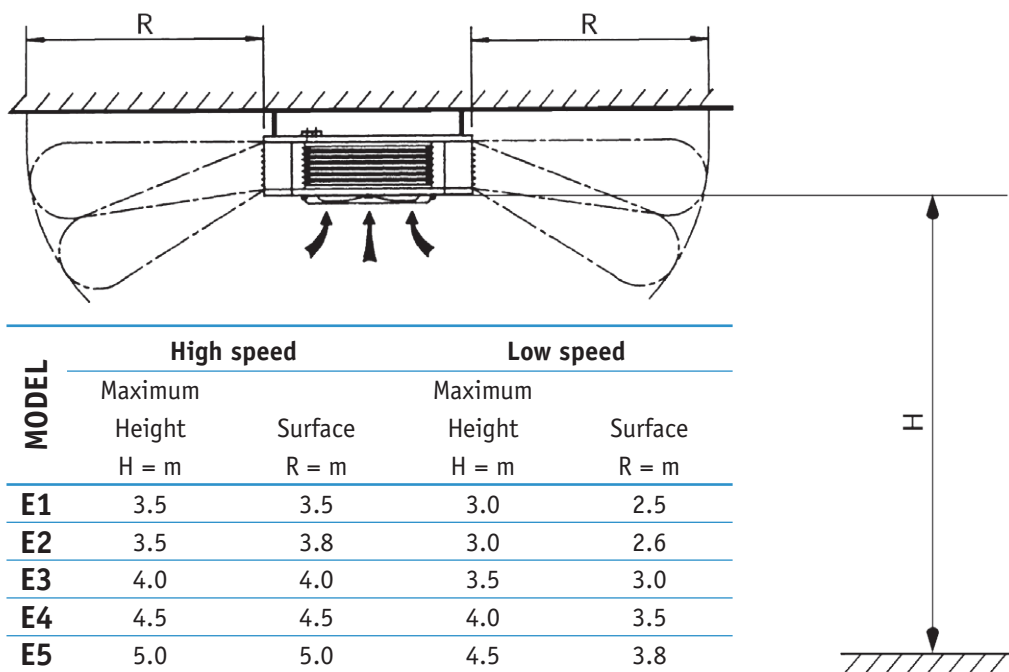
**Air temperature:** +20°C

**Water temperature:** +70/60°C

**COOLING**

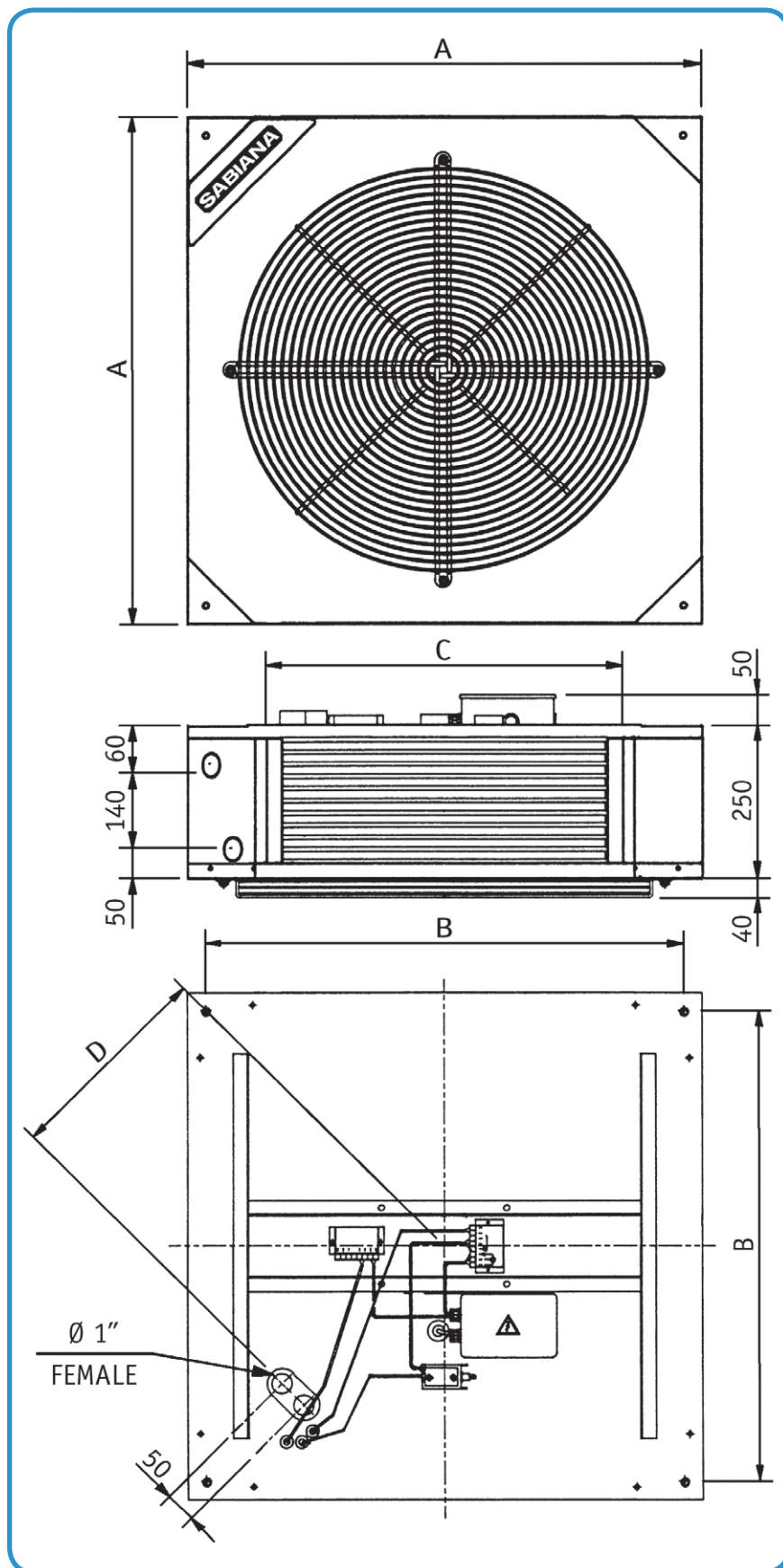
**Air temperature:** +27°C d.b. / +19°C w.b. / 46% R.H.

**Water temperature:** +7/12°C





## Dimensions, weight and water content



### 1 ROW BATTERY

(only heating)

MODEL	RE 11	RE 21	RE 31	RE 41	RE 51	
Dimensions (mm)	A	600	750	750	830	830
	B	540	690	690	770	770
	C	330	480	480	560	560
	D	220	287	300	344	344
Weight (kg)	26	31	32	38	39	
Water content (l)	0.8	1.1	1.1	1.3	1.3	

### 2 ROW BATTERY

(heating and cooling)

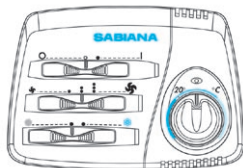
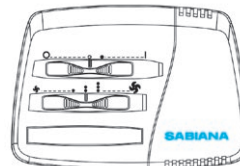
MODEL	RE 12	RE 22	RE 32	RE 42	RE 52	
	PE 12	PE 22	PE 32	PE 42	PE 52	
	12	22	32	42	52	
Dimensions (mm)	A	600	750	750	830	830
	B	540	690	690	770	770
	C	330	480	480	560	560
	D	220	287	300	344	344
Weight (kg)	28	34	35	40	41	
Water content (l)	1.8	2.4	2.4	2.7	2.7	



## Controls

### MO - 3V

MO - 3V control with ON-OFF switch and 3 speed switch without thermostatic control.

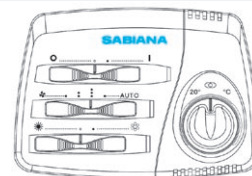


### TMO - T

TMO - T control with ON-OFF switch, 3 speed switch and summer / winter switch. Electronic room thermostat for fan or valves control (ON-OFF).

### TMO - T - AU

TMO - T - AU control with electronic thermostat with ON-OFF switch, 3 speed switch and summer / winter switch. Electronic room thermostat for fan or valves control (ON-OFF). LCD technology.



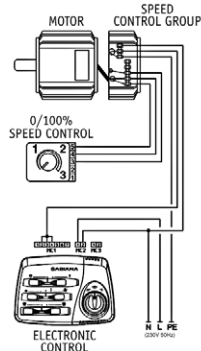
### TMO - DI

TMO - DI control with electronic thermostat with ON-OFF switch, 3 speed switch or automatic speed selection and summer / winter switch. Electronic room thermostat for fan or valves control (ON-OFF). LCD technology.

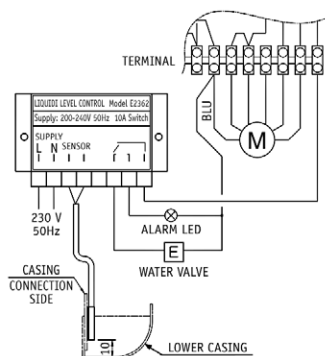
## Optional accessories

### Fan motor

with 0/100% speed control



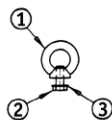
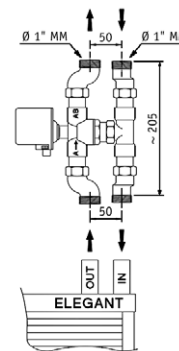
### Condensate alarm sensor (optional accessory)



### 3 way valve + connection kit

Composed by:

- one 3-way valve 3/4" kVs 4,7
- one actuator
- pipe connections



### Hanging brackets

Composed by 4 eye bolts and screws.

1 = Eye bolt female M8    2 = Screw M8 x 16    3 = Washer for screw M8

### Cover panel

To be fitted on the fan guard.

