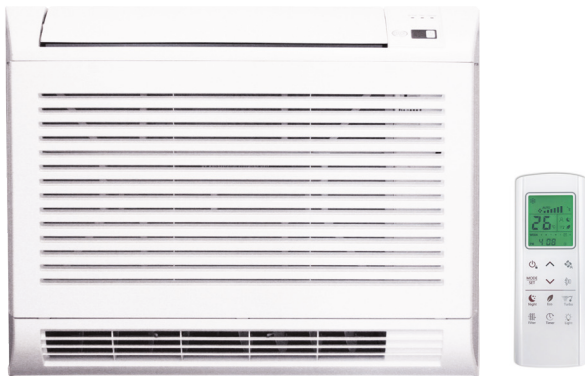


AF DIRECT-EXPANSION INDOOR UNIT CONSOLE MODEL



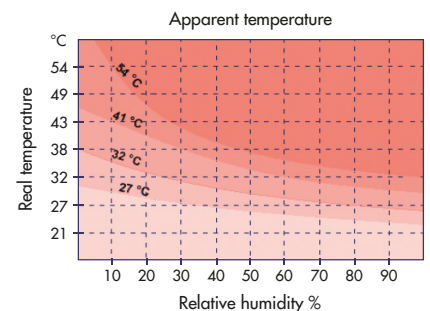
Code	Model	Size
387005017	AFIAS11DC V2	A
387005018	AFIBS11DC V2	B

AF is a console unit made of premium ABS for low wall mounting, just a few centimeters above the floor, occupying little space. The airflow is two-way, upper and lower, for maximum comfort both in summer and in winter. At 22 db(A), the unit is extremely quiet thanks to its specially designed structure and two tangential fans with by DC inverter motor.

RELATIVE HUMIDITY SENSOR

AF is equipped with a humidity sensor that is used to modulate the temperature and adjust the room's humidity percentage. The relative humidity sensor allows the choice between the cooling and dehumidification mode, based on the relative humidity value. If this value exceeds a given threshold, the unit will run in dehumidification mode. Otherwise, the unit will operate in cooling mode or with alternating cooling and dehumidification cycles.

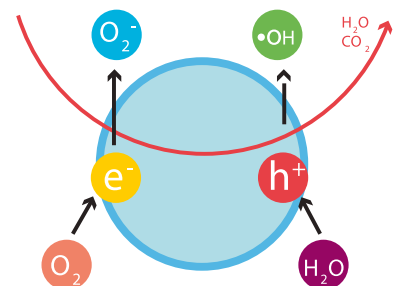
The signal transmitted by this sensor is used by the control software, which takes account of the relative humidity of the room in relation to the temperature. This results in the HUMIDEX index that measures the temperature perceived by the human body (which is a combination of these two factors) and, consequently, adjusts the set-point to optimise the user's comfort.



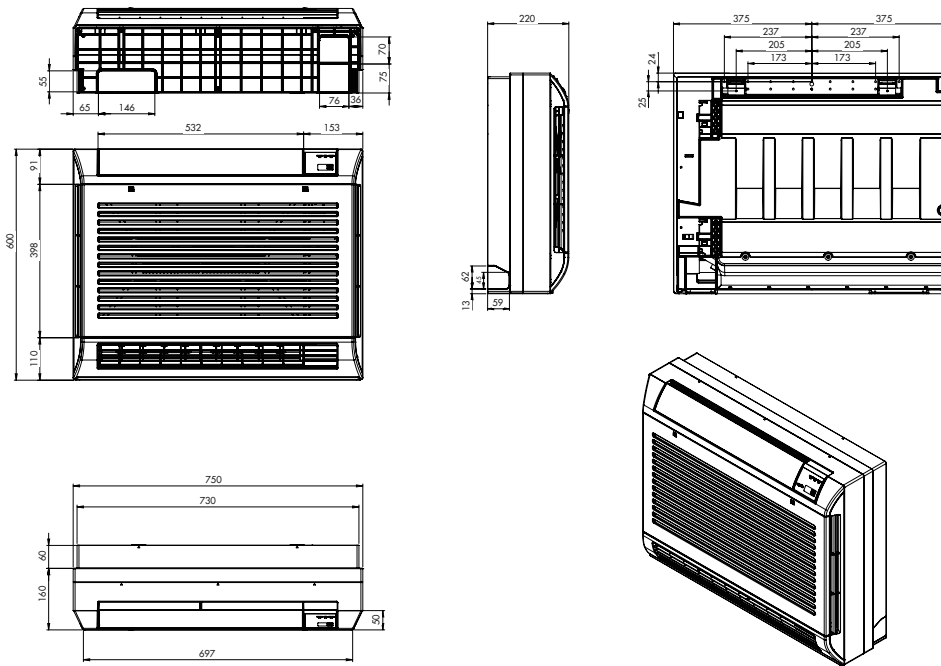
TITANIUM DIOXIDE PHOTOCATALYTIC FILTER

Photocatalytic filters base their operation on a photocatalyst which is usually a semiconductor material which polarizes the electrons creating a surface electric current. This determines such a high oxidizing power that can oxidize most of the organic contaminants. This type of filter is particularly suitable for eliminating bacteria, inhibiting the activity of viruses, dust abatement as well as in the prevention of bad smells.

Titanium dioxide is a photocatalyst semiconductor that is deposited on a beehive filter, which is very similar to the active carbon filter. The air intake from the indoor unit passes through this filter.



DIMENSIONAL DRAWINGS



TECHNICAL DATA

Model		AFIA S11 DC V2	AFIB S11 DC V2
Heating/Cooling capacity	kW	up to 3.7/4.0	up to 5.7/7.0
Size		A	B
Air flow rate (sl.-l.-m.-h.)	m ³ /h	450-500-590-700	615-665-760-830
Dehumidification	l/h	1.3	2.3
Fan speed	n°	3 + auto - by remote control	3 + auto - by remote control
Sound pressure at 2 m (sl.-l.-m.-h.)	dB(A)	22-26-30-37	28-30-37-45
Electric power supply	V/Ph/Hz	230/1/50	230/1/50
Type of motor		DC Inverter	DC Inverter
Electric power input	W	12	19
Liquid pipe diameter	mm (inch)	6.35 (1/4")	6.35 (1/4")
Gas pipe diameter	mm (inch)	9.52 (3/8")	12.7 (1/2")
Net weight (H./W./D.)	mm	600/750/220	600/750/220
Net dimension	kg	8	12
Remote control supplied		Yes	Yes
Room temperature adjustment range	°C	from +10 to +32	from +10 to +32
TiO ₂ filter		Yes	Yes
Relative humidity sensor		Yes	Yes