

## RTA "ROOF-TOP" chillers and heat pumps With capacities from 66 to 92 kW

R407C



### Features

- Available in 3 different sizes
- All versions are supplied for use with R407C
- Heat pump (H) versions
- Three versions are available:
  - Standard**, with maximum operating temperatures in cooling mode up to 43 °C
  - Silenced**, with the 8-pole electric motors governed by a fan speed regulator to keep noise levels down. In this case the maximum air temperature is 39 °C
  - High temperature** for cooling function with outside temperatures up to 46 °C, available for the cooling only models and for those in heat pumps
- Sandwich type panelling in peralluman, inside and outside, thickness 50 mm, with injected polyurethane insulation (42 kg/cu. m.) for perimetral panels and for the air treatment zone
- Direct expansion coils with condensate drain tray
- Scroll compressors
- Centrifugal type fans with variable pulley on the treatment side and helicoidale type on the condensation side with 6 pole motor in the standard models and eight poles in the silenced models
- upwards side and downward air discharge of the treatment unit
- Synthetic, wavy filter, class G4, on the air flow in delivery
- Microprocessor control
- Door block sectioner, control keypad and display on the machine, microprocessor type regulation system, flow switch on the air which stops the device if there is no air circulating

### Accessories

- **FT7**: F7 pocket filters.
- **G72**: 72 kW heat generator.
- **G72-FT7**: 72 kW heat generator and pocket filter.
- **G92**: 92 kW heat generator.
- **G92-FT7**: 92 kW heat generator and pocket filter.
- **REC**: section with static heat recovery unit.
- **REC-FT7**: section with static heat recovery unit and pocket filters.
- **REC-G72**: section with static heat recovery unit and 72 kW hot air generator.
- **REC-G72-FT7**: section with static hot air recovery unit, 72 kW hot air generator and pocket filter.
- **REC-G92**: section with static heat recovery unit and 92 kW hot air generator.
- **REC-G92-FT7**: section with static hot air recovery unit, 92 kW hot air generator and pocket filter.
- **SM2**: two gate mixing chamber, side/bottom take up.
- **SM2-FT7**: two-gate mixing chamber, side/bottom take up and pocket filters.
- **SM2-G72**: two-gate mixing chamber and 72kW heat generator.
- **SM2-G72-FT7**: two-gate mixing chamber, 72 kW heat generator and pocket filters.
- **SM2-G92**: two-gate mixing chamber and 92kW heat generator.
- **SM2-G92-FT7**: two-gate mixing chamber, 92 kW heat generator and pocket filters.
- **SM3**: three-gate mixing chamber with take up fan (servo commands on the gates already installed to permit free cooling).
- **SM3-FT7**: three-gate mixing chamber with take up fan and pocket filters.
- **SM3-G72**: three-gate mixing chamber with take up fan and 72 kW hot air generator.
- **SM3-G72-FT7**: three-gate mixing chamber with take up fan and 72 kW hot air generator and pocket filters.
- **SM3-G92**: three-gate mixing chamber with take up fan and 92 kW hot air generator.
- **SM3-G92-FT7**: three-gate mixing chamber with take up fan and 92 kW hot air generator and pocket filters.
- **SMP**: two-gate mixing chamber with rear take up.

## Technical data

Mod.		240	260	300
Cooling capacity	kW	66.0	82.6	92.0
Sensible cooling capacity	kW	45.2	59.5	67.8
Total input power	kW	16.2	22.7	27.0
Total input current	A	49.3	60.9	74.6
Cooling capacity	kW	65.0	85.0	93.5
Sensible cooling capacity	kW	46.0	60.0	68.5
Total input power	kW	16.9	21.7	26.7
Total input current	A	47.2	59.9	74.5
Heating capacity	kW	66.0	86.0	99.0
Total input power	kW	14.5	19.3	22.0
Total input current	A	45.1	57.0	62.7
Compressors	n.	2	2	2
Input current	A	76	89	102
Peak current	A	130	135	175

### Treatment Unit

Fans	n.	1	1	1
Nominal air flow rate	m <sup>3</sup> /h	12000	17000	20000
Motor power	kW	4.0	4.0	4.0
Max. effective pressure <sup>(1)</sup>	Pa	200	200	200

### Condensation Unit

Fans	n.	4	4	4
Nominal air flow rate	m <sup>3</sup> /h	18000	16500	16000
Motor power	kW	0.54	0.54	0.54

<sup>(1)</sup> = Useful head available for the system in the standard configuration

**Power supply** = 3~ 400V 50Hz.

Performance values refer to the following conditions:

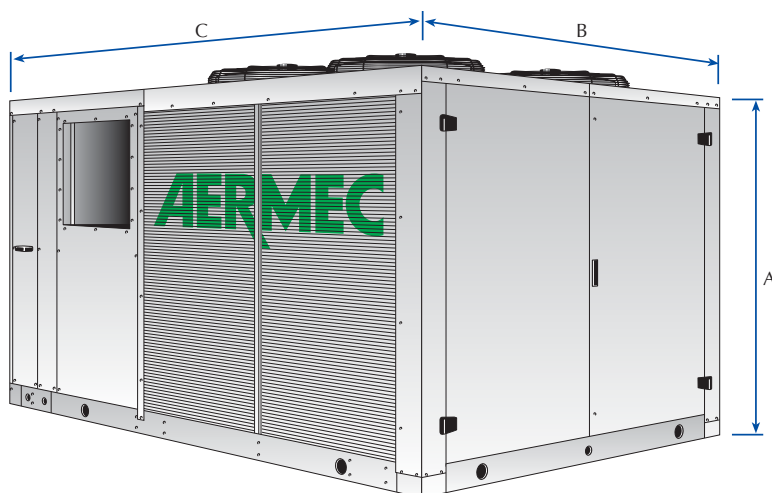
■ Cooling:

- room air temperature 27 °C HR 50%;
- ambient air temperature 35 °C.

■ Heating:

- room air temperature 20 °C;
- ambient air temperature 7 °C D.B., 6 °C W.B.;

## Dimensions (mm)



		240	260	300
Height	A	1740	1740	1740
Width	B	2166	2166	2166
Depth	C	3290	3290	3290
Weight (kg)	RTA	1300	1390	1480
	RTA H	1320	1410	1500