

Venice

Water-cooled unit
Cooling capacity 6 - 9kW

R407C



Aermec participates in the EUROVENT Program LCP
The products of interest can be found on the website
www.eurovent-certification.com



Features

Venice is the range of water cooled chillers operating with refrigerant R407C. They are internal units with hermetic scroll compressors that respond perfectly to the market requirements: small dimensions, easy of installation, low noise.

- All versions are equipped with circulation pump, water tank, water filter and safety valve
- Complies with EEC Safety Directive (CE)
- High efficiency scroll compressors
- Differential pressure switch on the external circuit standard on heat pumps
- Fluxostat standard on installation circuit
- Modular microprocessor control system
- Straightforward intuitive control panel
- High efficiency plate type heat exchangers
- Compact size
- Metallic protective cabinet with rustproof polyester paint
- Degree of protection IP 24

Accessories

- **PR3:** Remote control panel with ON/OFF, operating mode selection (cooling / heating) and general alarm indication.
- **VP:** Pressure switch valve complete with con-

nections, piloted directly in relation to condensation pressure; the valve modulates the volume of water needed to cool the condenser, thereby maintaining the condensation tempe-

rature unchanged.

- **VT:** Rubber anti-vibration mounts.
- **VT M:** Spring anti-vibration mounts.

Compatibility of accessories

Venice	PR 3	VP 14	VP 15	VT 7	VT M
20	•	•		•	•
25	•		•	•	•
30	•		•	•	•

Technical data

VENICE			20	25	30
			V/ph/Hz	230V~50Hz	
12°C / 7°C	Cooling capacity	(1) kW	6,94	8,24	9,75
	Total input power	(1) kW	1,74	1,98	2,38
	EER	(1)	3,99	4,16	4,10
	ESEER	(1)	4,59	4,58	4,58
	Cooling Energy Class Eurovent	(1)	D	D	D
	Evaporator water flow rate	(1) l/h	1194	1417	1677
	Useful head system side circuit	(1) kPa	63	61	69
	Condenser water consumption	(1) l/h	1500	1770	2095
	Pressure drops	(1) kPa	18	13	12

Data (14511:2013)

(1) Water evaporator (in/out) 12°C/7°C; Water condenser (in/out) 30°C/35°C

			20	25	30
Electrical data					
230V	Total input currente (cooling)	(2) A	10,1	11,8	13,1
	Maximum current (FLA)	(2) A	15	18	24
	Starting current (LRA)	(2) A	61	76	100
Scroll Compressor					
Compressors / Circuit		n°/n°	1/1	1/1	1/1
Refrigerant		Type	R407C		
Heat exchanger system side					
Exchanger		Type/n°	Plate/1		
hydraulic connections (In/Out)		Type/Ø	male Gas/1"		
Heat exchanger source side					
Exchanger		Type/n°	Plate/1		
hydraulic connections (In/Out)		Type/Ø	male Gas/1"		
Sound data (cooling)					
Sound power level		dB(A)	56	56	57
Sound pressure level		dB(A)	48	48	49

(2) Including circulator pump power consumption

Sound power Aermec determines sound power values on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification.

Sound pressure Sound pressure in free field, at 10 m distance from the external surface of the unit (in accordance with UNI EN ISO 3744).

Note: For more information, refer to the selection program or the technical documentation available on the website www.aermec.com

Dimensions (mm)

VENICE		20	25	30
A	mm	504	504	504
B	mm	404	404	404
C	mm	625	625	625
Weight	kg	100	103	105

