

SALOON HVAC S200

EMU
-
REGIONAL TRAINS
-
DMU



 **hispacold**
Railway HVAC Systems

Travel in **comfort** with **hispacold HVAC** systems

TECHICAL DATA

Saloon HVAC Equipment S200 Range

S201

S202

S203

S204

NEW S205

NEW S206



Climatic Zone According to EN 14750/EN13129		ZI/ZII	ZII/ZIII	ZI/ZII	ZI	ZI	ZI
Cooling Capacity*	KW	36	27	15	42	37	34
Electrical Heating Capacity*	KW	15	15	10	20	20	20
Water Heating Capacity*	KW	23/35	35/45				
Emergency Ventilation				Yes. Supply air fans powered by 110 VDC.	Yes. Supply air fans powered by 110 VDC.	Yes. Supply air fans powered by 110 VDC.	Yes. Supply air fans powered by 110 VDC.
AC Voltage supply	VAC	3 x 208 VAC 60 Hz 3 x 380 VAC 60 Hz 3 x 400 VAC 50 Hz	3 x 460 VAC 60 Hz 3 x 400 VAC 50 Hz	3 x 460 VAC 60 Hz 3 x 400 VAC 50 Hz	3 x 460 VAC 60 Hz 3 x 400 VAC 50 Hz	4 x 400 VAC 50 Hz	4 x 400 VAC 50 Hz
DC Voltage supply	VDC	24/72/110	24/72/110	110	110	110	110
Supply Air Flow**	m³/h	3600	3000	1900	4650	3120	3000
Fresh Air Flow**	m³/h	0 - 1660	0 - 1660	0 - 750	0 - 1600	0-1620	0-1700
Refrigerant		R410a	R410a	R407c	R407c	R410a	R513a
Weight	Kg	630	630	185	465	450	450
Dimensions (Lenght x Width x Height)	mm	2950 x 1650 x 550	2950 x 1650 x 550	1700 x 1300 x 350	2600 x 1650 x 550	2825x2012x565	3800 x 1670 x 330

(*) Nominal conditions according to EN 13129 ZI and ZII standard (**) Rated air flow at 250 Pa

PRODUCT FEATURES

DESIGN

- > Hermetic plug & play unit for roof mounting.
- > Ultra light weight and reduced dimensions.
- > Temperature sensors included in the units.
- > Same mechanical and electrical interfaces per model for different capacities.
- > Compliance with EN50155.

- > High efficiency scroll compressor.
- > Two-stage heating resistors. Optional reversible heat pump.
- > Two independent cooling circuits for part load performance and cooling availability.
- > Optional floor forced air heaters.

- > RS485 and open CAN available as standard.
- > Standard Ethernet port (support DHCP or fixed IP).
- > System variables monitoring and errors log.
- > Interactive troubleshooting.
- > Forced web mode and automode for easy checking and maintenance.
- > Easy and accesible maintenance from above.

REGULATION AND THERMAL COMFORT

- > Suitable for all climatic zones.
- > 0-100% fresh air damper regulation.
- > Optional CO₂ sensors for fresh air control.

MAINTENANCE

- > Fully automatic functioning and regulation.
- > Advanced microprocessor controller:
 - Electronic unit inside the HVAC.
 - Web server based maintenance software integrated in the electronic unit.



Optimized
life-cycle costs

STANDARDS

- > Design according to UNE-EN 14750 and EN 13129 Standards.
- > Vibrations Certificate according to CEI/ICE 61373:1999 Standard.
- > EMC according to UNE-EN 50121-3-2 Standard and Declaration of Conformity according to 2004/108/EC Directive.
- > Performance according to EN 50155 Standard for electronic device.
- > RAMS based on EN 50126.
- > Fire and smoke standards: EN 45545, NF F 16101 - NF F 16102, UNI-CEI 11170.
- > IRIS Certificate: ISO/TS 22163.

World presence



Cádiz	Istanbul	Granada	Romania
Schönbuch	Tallinn	Manila	Augsburg
United Kingdom	Cagliari	Naples	Taiwan
Mexico City	Cuiaba	Quito	Milan
Birmingham	Sardinia	Vitoria	Myanmar
Stockholm	Utrecht	Malaga	Sidney
Budapest	Monterrey	Mauritius Islands	Lisbon
Belgrade	Saint-Étienne	Lugano	Jerusalem
Luxembourg	Belgium	Oslo	Sarajevo
Barcelona	Edinburgh	Liege	Essen
Bucharest	Toluca	Australia	Genoa
Kaohsiung	Szeged	Amsterdam	London

Hispacold is a company of Irizar Group SC, which employees more than 3500 people and has a global turnover of more than 700 Million €. This gives Hispacold the benefits from a multinational organization while maintaining an individual company spirit.

Hispacold HVAC systems are running in all five continents and in more than 100 countries.

more info



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