



Modular Scroll technology

High efficiency at partial loads

Built-in HYDROPACK assemblies

Minimal energy consumption year round



SPINCHILLER

Modular liquid chillers and heat pumps which offer significant savings in terms of running costs, thanks to their high efficiency when operating at partial loads.



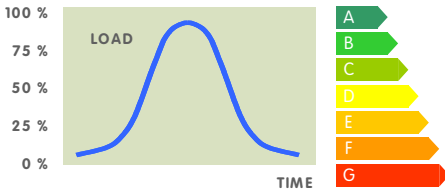
WSAT-XSC WSAN-XSC 65D - 180F

Air chilled liquid chillers
High efficiency air to water heat pumps.

Also available in the water version WSH-XSC

The WSAT-XSC range is also available up to 965 kW

DF10C005GB-00



HIGH EFFICIENCY, ADDING VALUE TO THE BUILDING SPINCHILLER technology reduces annual energy consumption because it provides an up to 40% increase in efficiency at partial loads, which is by far the most frequent condition throughout the system's life cycle. It therefore also increases the value of the serviced building.



RELIABLE TECHNOLOGY Its excellent performance derives from the modular combination of several Scroll compressors per circuit, an electronic thermostat valve and high performance heat exchangers. These components are produced on an industrial scale, with high standards of manufacturing reliability, and are easy to source as spare parts.



HYDROPACK is the built-in solution for pumping fluids in the various installation solutions. Its modular structure guarantees the necessary service continuity and makes it possible to automatically vary the flow in critical conditions.



INNOVATIVE EXTERNAL FANS with aerodynamic profiles enabling them to reduce energy consumption and sound emission. The high efficiency ECOBREEZE version, with electronically controlled motors, offers a further reduction in operating costs.



HIGHLY VERSATILE APPLICATIONS Suitable for all terminal types, from fan coil units to radiant systems and chilled beams, SPINCHILLER is also available with Silenced and Supersilenced versions, partial or total Energy Recovery for free hot water production, Freecooling and Master-Slave control devices.

HIGH EFFICIENCY HEATING In the reversible heat pump version, SPINCHILLER includes the innovative defrost optimisation system as standard, for reliable and economic

Technical Data

Sizes		65D	70D	75D	80D	85D	90D	100D	110D	115D	120D	135E	150F	165F	180F
Compressors / Cooling circuits	no.	4 / 2										5 / 2	6 / 2		
Dimensions (length x depth x height)	mm	2.850 x 1.120 x 2.250			3.800 x 1.120 x 2.250			4.750 x 1.120 x 2.250			2.850 x 1.120 x 2.250		3.800 x 1.120 x 2.250		
WSAT-XSC															
Cooling capacity	(1) kW	163	174	189	200	216	237	261	279	300	323	345	374	425	493
EER EUROVENT		2,72	2,73	2,72	2,73	2,75	2,75	2,73	2,73	2,74	2,76	2,74	2,74	2,76	2,75
ESEER		4,38	4,39	4,38	4,39	4,42	4,43	4,40	4,39	4,41	4,44	4,49	4,57	4,60	4,60
WSAN-XSC															
Cooling capacity	(1) kW	158	170	183	200	216	237	261	279	300	317	342	370	425	494
EER EUROVENT		2,51	2,51	2,54	2,71	2,74	2,73	2,73	2,76	2,74	2,74	2,71	2,71	2,78	2,76
ESEER		4,04	4,03	4,09	4,36	4,41	4,40	4,39	4,45	4,42	4,41	4,45	4,52	4,64	4,61
Heating capacity	(2) kW	166	175	190	205	229	245	263	297	311	326	363	388	449	497
COP EUROVENT		2,93	2,90	2,97	3,02	3,06	3,03	2,99	3,05	3,02	2,99	3,10	3,10	3,08	3,05

Data referred to the following conditions:

- (1) Water at the internal exchanger 12/7°C; ambient temperature 35°C
- (2) Water at the internal exchanger 40/45°C; ambient temperature 6.1°C W.B.

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