The modular Scroll Technology with R410A

EC Fans and expansion electronic valve

ESEER Seasonal efficiency at the top of its category

Class A in the operation at full load

ELFOEnergy Duct Medium

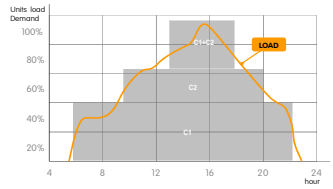
The high efficiency liquid chillers for installation also in the reduced dimension shafts. They allow large energy savings in small and medium Commercial and Industrial applications.

CLIVET®

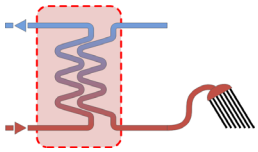
WSA-XEE 122-402

The high efficiency liquid chillers
Air cooled for internal installation.

SP11F009GB-02



UNIT FREE HOT WATER



High Energy Efficiency

ELFOEnergy Duct Medium reduces yearly energy consumption thanks to its high part-load efficiency i.e., by far the most frequent condition throughout the system's life-cycle. This way, even the value of the served building increases. The unit has a very high energy efficiency while working at a full-load , reaching the Eurovent Class A certification .

Reliable technology

The excellent performance result from the combination of modular two scroll compressor for each circuit, thermostatic electronic valve , high performance heat exchangers and high efficiency inverter pump with EC Motor .
They are produced on industrial scale, with maximum constructive reliability and easily available as spare parts.

System simplification

The standard inverter pumping station is complete with the components usually provided on the system, and allows the automatic control of water flow rate. In addition, the quick hydraulic connections on the outside wall of the unit further reduce the star-up times by eliminating the operations
for the pipe-laying.

High ventilation performances

thanks to ECOBREEZE plug fans with motor at electronic control which don't require any transmission. Setting the fan speed, the airflow changes and the discharge head is adapted to the system pressure drop. The automatic airflow management in function of the heat load allows the sound pressure to be reduced also of 8 dB.

Great applicative versatility

Suitable for any type of terminals, from fan coils to radiant systems and cold beams, ELFOEnergy Duct Medium is also available in versions at partial energy Recovery for the hot water free production, for low water temperatures (Brine) down to –7°C and for Master-Slave management devices.

Technical data

Size			122	162	182	222	262	302	352	402
Condensing air flow		m^3/h	16.000	16.000	18.000	18.000	24.000	27.000	27.000	30.000
Fans type		-	Electronic control Plug fan							
Compressor type / Cooling circuit number		no.	2 Scroll R410A / 1							
Dimension (length x depth x high)		mm	1.450 x 780 x 1.995		1.875 x 780 x 1.995		2.650 x 780 x 1.995			
Total cooling capacity	(1)	kW	36,1	41,7	49,3	58,3	67,5	78,6	89,8	102,0
Total power input	(1)	kW	12,8	14,9	17,6	21,4	24,7	27,9	32,1	37,7
EER (EN 14511:2011)	(1)	-	2,83	2,80	2,81	2,72	2,74	2,81	2,79	2,70
ESEER		-	4,24	4,39	4,42	4,37	4,34	4,32	4,45	4,41
Partial recovery heat capacity	(2)	kW	12,0	13,9	16,4	19,6	22,8	26,2	30,1	34,3
Internal exchanger water flow rate	(1)	-	1,7	2,0	2,4	2,8	3,2	3,8	4,3	4,9

Data referred to the following conditions:

(1) Data calculated in compliance with Standard EN 14511:2011 referred to the following conditions : Internal Exchanger water 12/7 °C - external exchanger inlet Air temperature 35°C

(2) Temperature exchanger Water - Partial Recovery = 40/45°C

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