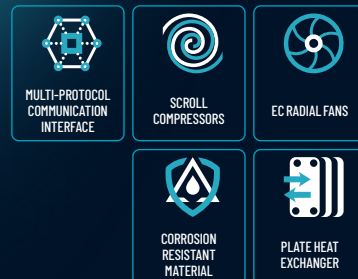


# HWP

## AIR CONDENSED CHILLERS AND HEAT PUMPS WITH SCROLL COMPRESSORS FOR INDOOR INSTALLATIONS

34-184 kW



HWP is the range of air-condensed liquid chillers with Scroll compressors for indoor installations. Four different versions (chiller, Free-Cooling chiller, reversible heat pump and multipurpose) the several available power output rates and compact frame make these units **highly versatile and suited to a wide range of system layouts**. Sizing and selection of individual components seeks to **contain energy consumption, aiming to optimise energy savings not just for individual chillers but for the entire system**. The unit is suitable for installation in equipment rooms and can be **ducted at both intake and delivery ends**. The maximum working head available is 250 Pa.

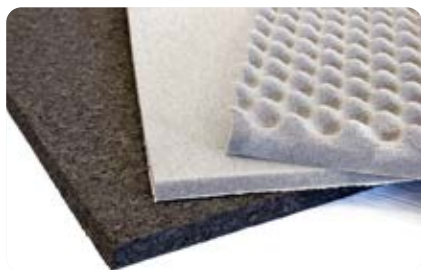
The configurations available for the refrigeration circuit are:

**EFFICIENCY PACK 1:** Dual compressor and dual circuit unit, for a system with greater redundancy (only for free-cooling versions).

**EFFICIENCY PACK 2:** Dual compressor (tandem) on single circuit for greater efficiency at partial loads.

**EFFICIENCY PACK 4:** Four compressors (dual tandem) on dual circuit, for a redundant system that is efficient with low loads.

- 2 different soundproofing set-ups available: Standard and Low Noise
- Electric control panel with IP55 protection rating
- Radial EC motor fans
- Electronic expansion valve
- Easy accessibility thanks to the optimisation of the internal space
- Programmable microprocessor control with proprietary software
- Available with single or double pumping kit in timed rotation
- Compliance with ERP regulations



### Attention to detail and to low noise requirements

Scroll compressors are fitted on rubber feet that **dampen vibration and attenuate the noise transmitted to the various system parts**. On request, the compressor compartment can be lined with special sound absorbing material and the compressors encased in special insulating hoods **to reduce airborne noise emissions**.



### All accessories on-board the machine

The special component layout, together with compact plate heat exchangers and Scroll compressors, ensures on one hand **easier access to carry out maintenance procedures** and on the other hand, **sufficient internal space available for fitting a wide range of accessories and hydraulic options**. The hydraulic circuit may include a dual shut-off pump, flow switch, tank, expansion tank and safety valve.



### Maximum efficiency at partial loads

The adoption of a multi-Scroll solution, the use of electronically controlled expansion valves and plate heat exchangers and modulation of the compressors are all key features that make **the HWP range particularly efficient at partial loads**.



HWP		030PS	052PS	062PS	072PS	092PS	114PS	124PS	144PS	194PS
Cooling: User water values 12/7°C, 35°C outside air, 40% U.R.										
Cooling capacity	kW	34.2	55.1	63.4	74.1	84	114.5	132	147.8	168.3
Total absorbed power	kW	11	19	23.5	25.2	28.1	35.2	42.2	50.7	57
EER		3.1	2.9	2.6	2.9	2.9	3.2	3.1	2.9	2.9
Heating: User water values 40/45°C, 7°C outside air, 89% U.R.										
Thermal power	kW	36	58.2	67.8	82	91.3	123.1	145.6	164.3	183.6
Total absorbed power	kW	11.6	18.3	21.7	25.5	27.5	37.7	44.2	49.5	53
COP		3	3.1	3.1	3.2	3.3	3.2	3.2	3.3	3.4
SCOP		3.6	4	4	3.7	3.8	4	4	4	4.2
Sound power [Standard]	dB(A)	81	82	82	83	82	84	84	84	84
Dimensions [LxHxD]	mm	2000x2020x1100			2400x2020x1100			4090x2104x1100		

Data declared with use of R410A refrigerant | Calculated with 20% glycol. Free-Cooling versions always have a refrigerating configuration consisting of one compressor per circuit or a dual tandem arrangement on two circuits | Features referred to the standard set-up. If not available, these features are referred to the Low Noise or Super Low Noise set-ups | Also available with 60 Hz power supply