

WP

Heat pumps



designed for hygiene

Comenda energy savings

Comenda, the specialist in the automatic dishwashing sector, proposes heat pumps for its rack and flight conveyor range of machines that save energy and do not increase the dishwashing room temperature. The cooled and dehumidified air extracted from the heat pump can be fed back into the room thus eliminating the need for connection to a ventilation/extraction system.

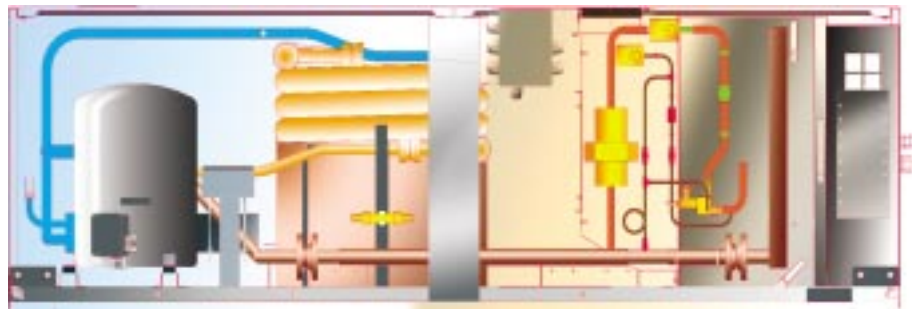
3 models with different ratings are proposed, depending on requirements and type of dishwasher.

The WP4 heat pump: does not increase the ambient washing temperature and also **preheats the rinsing water** with the heat produced by the cooling circuit.

The WP6 heat pump: does not increase the ambient washing temperature and also **preheats the rinsing water** and heats a washing tank.

The WP8 heat pump: does not increase the ambient washing temperature and also **preheats the rinsing water** and heats two washing tanks.

The steam is drawn into the cooling circuit battery and the cooled water is dehumidified to improve the working conditions of the dishwash area. The heat produced is utilised to preheat one or two washing tanks (depending on the model) and the rinsing water, reducing energy consumption.



Heat pump models	WP4 single action	WP6 double action	WP8 triple action
Functions	Rinse only	Rinse + 1 wash	Rinse + 2 washes
Dimensions LxWxH	750x660x500	1250x660x500	1500x760x630
Compressor rated power	4,11 kW	5,23 kW	8,83 kW
Gas	R 407 C	R 407 C	R 407 C
Total exchange surface	39 m ²	59 m ²	66 m ²
Re-circulation pumps	-	0,15 kW	2 X 0,15 kW
Output air	700 m ³ /h	800 m ³ /h	1200 m ³ /h
Output air temperature	18 - 22 °C	18 - 22 °C	18 - 22 °C
Humidity	85%	85%	85%
Latent heat reduction	90%	90%	90%
Sensible heat reduction	3 kW	3,5 kW	4,5 kW
Cooling power	8 kW	11 kW	16 kW
Heating energy saved Compared to same model fed with cold water	8 - 12 kW	12 - 16 kW	16 - 26 kW

Technical characteristics may be changed



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