

Title (en)
AIR CONVEYOR FOR HEAT PUMP

Title (de)
LUFTFÖRDERER FÜR WÄRMEPUMPE

Title (fr)
TRANSPORTEUR D'AIR POUR POMPE À CHALEUR

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Application
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Abstract (en)
[origin: WO2016142760A1] The object of the present invention is an air-air or air-water heat pump (HP) where an air conveyor (104) is provided in order to direct the air constituting the heat source for the evaporator (102) towards its evaporator front (106). The invention provides means for improving the uniformity of the air distribution on the evaporator front (106). According to a preferred variant, flow guides (107) are provided that form the channels (108) ending substantially in contact with said evaporator front (106) with sections of outlet area S_i such that in correspondence, the air flow density is substantially equal for each of said channels (108). The advantages of the invention consist in the fact that a uniform distribution of the air flow density improves the efficiency of the heat pump (HP).

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