

Title (en)

HEAT PUMP MODULE FOR LAUNDRY TREATMENT DEVICE AND LAUNDRY TREATMENT DEVICE

Title (de)

WÄRMEPUMPENMODUL FÜR WÄSCHEBEHANDLUNGSVORRICHTUNG SOWIE WÄSCHEBEHANDLUNGSVORRICHTUNG

Title (fr)

MODULE DE POMPE À CHALEUR POUR DISPOSITIF DE TRAITEMENT DE LINGE ET DISPOSITIF DE TRAITEMENT DE LINGE

Publication

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Application

EP 17150089 A 20170103

Priority

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Abstract (en)

A heat pump module for a laundry treatment device and the laundry treatment device are provided. The heat pump module includes a compressor (1), a condenser (2), an evaporator (3), a casing (4) and a cooling air passage (5). The casing (4) has an accommodating chamber provided with a partition plate (43) to divide the accommodating chamber into a first mounting chamber (41) and a second mounting chamber (42), the compressor (1) is disposed within the first mounting chamber (41), and the evaporator (3) and the condenser (2) are disposed within the second mounting chamber (42). The compressor (1) has an air exhaust port and an air suction port; the condenser (2) has a first end in communication with the air exhaust port; and the evaporator (3) has a first end in communication with a second end of the condenser (2), and a second end in communication with the air suction port. The cooling air passage (5) has an air outlet end in communication with the first mounting chamber (41), and an air inlet end in communication with the outside. For the heat pump module according to the present invention, the first mounting chamber (41) is in communication with the outside by providing the cooling air passage (5), such that the compressor (1) may exchange heat with the outside, thereby improving performance of the compressor (1), optimizing layout of various components in the heat pump module and saving installation space.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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