

Title (en)

METHOD OF OPERATING A HEAT PUMP LAUNDRY DRYER OR HEAT PUMP WASHING MACHINE HAVING DRYING FUNCTION

Title (de)

VERFAHREN FÜR DEN BETRIEB EINES WÄSCHETROCKNERS MIT WÄRMEPUMPE ODER EINER WASCHMASCHINE MIT WÄRMEPUMPE MIT TROCKNUNGSFUNKTION

Title (fr)

PROCÉDÉ D'UTILISATION D'UN SÈCHE-LINGE AVEC POMPE À CHALEUR OU D'UNE MACHINE À LAVER COMPORTANT UNE POMPE À CHALEUR AYANT UNE FONCTION DE SÉCHAGE

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Application

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Priority

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Abstract (en)

The present invention refers to a method of operating a laundry drying machine (10), such as a heat pump laundry dryer or a heat pump washing machine having drying function, in order to carry out a laundry treatment process on a laundry load (L) comprising a drying cycle, wherein the laundry drying machine (10) comprises: a control unit (11) controlling the operation of the laundry drying machine (10), a laundry treatment chamber (12) for treating laundry using process air (A), a process air circuit (13) for circulating the process air (A), a heat pump system (14) having a refrigerant loop (15), in which the refrigerant fluid (R) is circulated through a first and a second heat exchanger (16a, 16b) in thermal communication with the process air (A), a compressor (17) for circulating the refrigerant fluid (R) through the refrigerant loop (15), and wherein the method comprises the following steps: - driving the compressor (17) by means of the control unit (11) according to a first driving sequence in a first portion (P1) of the drying cycle; - driving the compressor (17) by means of the control unit (11) according to a second driving sequence in a second portion (P2) of the drying cycle different from the first portion; characterized in that the second driving sequence provides for driving the compressor (17) intermittently between a lower level of energy and an upper level of energy wherein the lower and upper level of energy and a condition for ending the second driving sequence are defined depending on one or more parameters of the following first list: - laundry load (L) amount; - moisture content of laundry load (L); - temperature of laundry load (L); - temperature of the process air (A); - temperature and/or humidity of the environment where the laundry drying machine (10) is placed; - laundry treatment program selected by a user; - laundry treatment process or drying process time; - a preset value of energy consumption.

IPC 8 full level

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Citation (search report)

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