

Title (en)

COOLING UNIT FOR INSTALLATION UNDER A CEILING

Title (de)

KÜHLEINRICHTUNG ZUR MONTAGE UNTER EINER RAUMDECKE

Title (fr)

APPAREIL DE REFROIDISSEMENT POUR INSTALLATION AU-DESSOUS D'UN PLAFOND

Publication

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Application

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Abstract (en)

[origin: WO2017215847A1] The invention relates to an air cooler for cooling the air in rooms, in particular in storage rooms or cooling rooms in which persons can walk, which air cooler comprises: a housing (1), which has a bottom (1a), a cover (1b), which can be fastened directly and without spacing to a ceiling of the room to be cooled, and at least one side wall (1c), in which at least one air outlet (2) is arranged; at least one planar heat exchanger (3), which is arranged in the housing (1) and which lies at least substantially horizontal; and at least one fan (4) arranged in the housing (1) for sucking in air from the room to be cooled, wherein the air sucked in by the fan (4) flows through the planar heat exchanger (3) at least substantially in the vertical direction and is deflected by the fan (4) in the horizontal direction to the air outlet (2). In order to provide a highly efficient air cooler for cooling the air in large-volume storage rooms or cooling rooms, in particular storage rooms or cooling rooms in which persons can walk, which is arranged directly on a ceiling such that said air cooler can be installed in space-saving manner and which avoids the dripping of condensed water and the accumulation of dust and dirt, the fan (4) and the air outlet (2) are arranged above the heat exchanger (3) in the air cooler according to the invention.

IPC 8 full level

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