

Title (en)

FIN-TUBE HEAT EXCHANGER AND REFRIGERATION CYCLE DEVICE USING SAME

Title (de)

RIPPENRÖHREN-WÄRMETAUSCHER UND KÄLTEKREISLAUFVORRICHTUNG DAMIT

Title (fr)

ÉCHANGEUR DE CHALEUR À TUBE À AILETTES ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION L'UTILISANT

Publication

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Application

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Abstract (en)

A fin-tube heat exchanger of the present invention includes a plurality of fins 1 which have cut-and-raised parts 4 and through which air current 100 passes, and a plurality of heat transfer pipes 2 which penetrate the plurality of fins 1 and through which fluid flows, the cut-and-raised parts 4 are placed only on a downstream side of a center of the closest heat transfer pipe 2 with respect to the air current 100, and the cut-and-raised parts 4 incline with respect to the air current 100. Therefore, it is possible to uniform thermal flow rates, and even if water is precipitated on the fins 1, it is possible to smoothly flow down the water by the cut-and-raised parts 4, to reduce frost formation on the fins 1, and to enhance drainage performance. The fin-tube heat exchanger has excellent heat transfer performance.

IPC 8 full level

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