Title (en)

SEMI-HERMETIC COOLANT COMPRESSOR

Title (de)

HALBHERMETISCHER KÄLTEMITTELVERDICHTER

Title (fr)

COMPRESSEUR FRIGORIFIQUE SEMI-HERMÉTIQUE

Publication

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Application

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Abstract (en)

[origin: WO2018065071A1] The invention relates to a semi-hermetic coolant compressor, comprising a reciprocating compressor, an electric motor, a complete housing which has a motor housing section for the electric motor and a compressor housing section for the reciprocating compressor, a suction-side coolant path which leads from a suction connection on the complete housing to an inlet chamber of the reciprocating compressor, and a pressure-side coolant path which leads from an outlet chamber of the reciprocating compressor to a pressure connection on the complete housing. The aim of the invention is to improve such a coolant compressor such that the coolant compressor functions more efficiently. This is achieved in that the electric motor is designed as a synchronous motor, the rotor of which is equipped with permanent magnets for the synchronous operation of the electric motor and a squirrel cage for starting up the electric motor in the asynchronous operation.

IPC 8 full level

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