

Title (en)
KÄLTEANLAGE FÜR HAUSHALTKÜHLGERÄTE

Title (de)
KÄLTEANLAGE FÜR HAUSHALTSKÜHLGERÄTE

Title (fr)
SYSTEME REFRIGERANT POUR APPAREILS FRIGORIFIQUES DOMESTIQUES

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Application
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Abstract (en)
[origin: DE19916993C1] The invention relates to a refrigerating system for domestic refrigerating appliances which comprises a motor-compressor set with reciprocating compressor piston and a so-called fluxomizer. The aim of the invention is to provide a refrigerating system for domestic refrigerating appliances that can be produced with few components, that can be used for various applications without prior extensive modifications and that optimally makes use of the theoretical cyclic process. To this end, the inventive refrigerating system for domestic refrigerating appliances is provided with a hermetic motor-compressor set, a condenser that is connected to the motor-compressor set at the pressure-side and a capillary tube that is connected to the condenser at the outlet side and that is in thermal contact with the suction tube of the motor-compressor set. The refrigerating system further comprises a refrigeratory that is connected to the capillary tube, that is thermally coupled to a PCM device and that is connected to the motor-compressor set at the suction end, and a cooling fan for intensifying the convection in the refrigerator section of the refrigerating appliance. The outlet of the refrigeratory is connected to a fluxomizer which in turn is connected to the air intake of the motor-compressor set. Said motor-compressor set and said fluxomizer are mounted on a chassis and are flexibly supported and enclosed by a sound protection cover. The maximum overall height of said chassis including the components and the sound protection cover mounted thereon corresponds to the base height of the refrigerating appliance. The invention further relates to the inventive design of the hermetic refrigeration compressor, of the reciprocating compressor piston and of the fluxomizer.

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