

Title (en)  
A hermetic type compressor

Title (de)  
Hermetischer Kompressor

Title (fr)  
Compresseur de type hermétique

Publication  
**EP 2093525 B1 20180110 (EN)**

Application  
**EP 09250201 A 20090126**

Priority  
JP 2008038860 A 20080220

Abstract (en)  
[origin: EP2093525A2] The hermetic type compressor 100 according to the present invention comprises, inside a hermetic container 1, a compressing mechanism portion 20 and an electric motor 10 for driving the compressing mechanism portion 20, and performs compression of the refrigerant continuously by dividing a compression room with a vane into a high-pressure room and a low-pressure room. The compression room is composed of a cylinder 16 that disposes therein a rolling piston 7 fitted to an eccentric axis 6a of the crankshaft 6 rotated by the electric motor 10, and a cylinder head 4 and a frame 5 that block both ends of the cylinder 16 in an axial direction. According to the hermetic type compressor 100 using the HC refrigerant, the electric motor is fitted and fixed to an inner peripheral plane of the hermetic container. An outer diameter of the electric motor is less than an outer diameter of the compressing mechanism portion. For the cylinder having an inner diameter D and a height H, D/H is set to more than 0.5 and less than 0.6.

IPC 8 full level  
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**F04C 18/3564** (2013.01 - EP KR); **F04C 23/008** (2013.01 - EP KR); **F25B 31/026** (2013.01 - EP KR); **F04C 2240/30** (2013.01 - KR); **F04C 2270/70** (2013.01 - EP KR); **F05B 2210/12** (2013.01 - KR); **F05B 2210/14** (2013.01 - KR); **F25B 2400/12** (2013.01 - EP KR); **F25B 2500/01** (2013.01 - EP KR); **Y10S 417/902** (2013.01 - KR)

Cited by  
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