

ABSTRACT

HERMETIC COMPRESSOR

The present invention prevents abnormal changes in the gap between a stator and a rotor of a motor caused by the deformation of the stator. In a closed container 1, a stator 21 of a motor 2 is tightened and fixed to a compression mechanism 3 by using a bolt 6 and a bolt hole 211 formed in the stator. The outer diameter of the portion of the bolt 6 between its head and threaded portion is larger than that of its threaded portion, and almost equal to the inner diameter of the bolt hole 211. If the outer diameter of the bolt 6 is uniform, an approximately cylindrical member that elastically contacts the inner diameter of the bolt hole 211 is used. This provides in part of the bolt hole a narrow space smaller than the one formed by the bolt hole 211 and the outer diameter of the threaded portion of the bolt 6. This invention can thus prevent the stator of the motor from being deformed due to the slippage of laminated plates and also prevents electromagnetic noise and abnormal wear caused by an increase in magnetic pull force.

(Figure 1)