

ELECTRIC COMPRESSOR
ABSTRACT

A compressor includes a compressing section accommodated in a hermetic container and a motor section, coupled to the compressing section, for driving the compressing section. The motor section has a bored section on
5 an end of the compressing section side and a motor having two rotor poles and including a rotor core in which permanent magnets are buried. The compressing section includes a bearing made of non-magnetic material and extending inside the bored section. This structure reduces both of loss torque due to magnetic attraction between an inner wall of the bored section and the
10 bearing, and eddy-current-loss in the bearing, so that a highly efficient compressor is obtainable.

Figure 1



G00002



167157