

ENCLOSED COMPRESSOR, FREEZER, AND REFRIGERATOR**ABSTRACT**

A freezer using an enclosed compressor having an enclosed container with a compression element and an electrically driven element stored therein, a crank
5 shaft 7 and a piston 4 driven by the electrically driven element being connected by a con rod 2, and a connection portion between the con rod 2 and the piston 4 being slidable, wherein isobutane (R600a) is used as a refrigerant compressed by the compression
10 element and fatty ester oil having an ester linkage in the molecule is used as freezer oil.

Thus energy conservation, miniaturization, and high efficiency of a freezer using a hydrocarbon series refrigerant are realized, and the reliability
15 thereof is improved.

Figure 3