

ABSTRACT

The present application provides a compressor and a refrigeration device. The compressor comprises a shell, a compression assembly, a motor, an oil sump and an oil return channel. The shell constructs a cavity, one part of the compression assembly is connected with the shell and located in the cavity, and the cavity is divided into a first cavity and a second cavity by the compression assembly. One part of the motor is arranged in the first cavity, and the part of the shell located below the central axis of the motor is a first shell. The oil sump is arranged in the second cavity. The oil return channel is arranged in the compression assembly, and is provided with an oil inlet facing the first cavity. According to the present application, the distance between a dividing line in the oil inlet and the inner-side wall of the first shell, and the inner diameter of the shell meet a preset relationship, and the area of the part of the oil through area located below the dividing line and the area of the oil inlet meet a certain relationship, so that it is difficult to expose the oil inlet in refrigerants, the recovery efficiency of lubricating oil is improved, and the oil level fluctuation is relatively stable, and the oil circulation ratio of the compressor is reduced, and the reliability and energy efficiency grade of the compressor are improved.

Fig. 1