

ABSTRACT

The present disclosure provides a compressor (100) and refrigeration device. The compressor (100) comprises a crankshaft (102) and a connecting structure (104) arranged on the crankshaft (102), wherein an avoidance part (106) is arranged on the connecting structure (104) and/or the crankshaft (102), the avoidance part (106) is located at the part that the connecting structure (104) is matched with the crankshaft (102), and the avoidance part (106) is configured to be suitable for avoiding at least one of the connecting structure (104) and the crankshaft (102). The compressor comprises the crankshaft (102) and the connecting structure (104) connected with the crankshaft (102), and a gap between the crankshaft (102) and the connecting structure (104) is increased through the arrangement of the avoidance part (106), so that the avoidance part (106) can avoid the oblique crankshaft (102) when the crankshaft (102) is obliquely deformed, thus the crankshaft (102) and the connecting structure (104) can keep in surface contact, and an oil film between the crankshaft (102) and the connecting structure (104) is not damaged, thereby effectively ensuring the reliability of the compressor (100). Therefore, a smaller axle diameter and a shorter axle sleeve can be used, thereby reducing the friction loss at the part that the crankshaft (102) is matched with the connecting structure (104), and improving the performance of the compressor.

FIG. 3