ABSTRACT

A refrigeration cycle apparatus (100) includes a compressor (15) drawing refrigerant from a suction port, compressing the refrigerant using rotation of a motor (25), and discharging the refrigerant compressed from a discharge port, and a compressor driving circuit (102) controlling rotation of the motor (25). The compressor driving circuit (102) includes a start-up determination device (32) determining whether the compressor (15) is caused to perform a normal start-up or a differential pressure start-up based on a differential pressure between the suction port and the discharge port at the time of starting up the compressor (15), where the normal start-up is to start up the compressor (15) with an output voltage having a first amplitude and the differential pressure start-up is to start up the compressor (15) with an output voltage having a second amplitude greater than the first amplitude. The start-up determination device (32) determines to perform the differential pressure start-up when the differential pressure is higher than a first differential pressure and lower than a second differential pressure, and determines to perform the normal start-up when the differential pressure is equal to or higher than the second differential pressure or is equal to or lower than the first differential pressure.