

ABSTRACT

REFRIGERATION SYSTEM

A refrigeration system comprises a refrigerant circuit (10) in which a compressor (21), an outdoor heat exchanger (24) and an indoor heat exchanger (33) are connected to operate on a refrigeration cycle, and an oil recovery container (40) connected to the suction side of the compressor (21), and carries out a recovery operation for circulating refrigerant through the refrigerant circuit (10) to recover oil into the recovery container (40). The refrigeration system further comprises: a compressor control section (50) for stepwise increasing the operating capacity of the compressor (21) in an initial stage of the recovery operation so that the refrigerant temperature in the low pressure side of the refrigerant circuit (10) reaches or exceeds a predetermined value; and a fan control section (70) for continuously driving an indoor fan (33a) at least during a time period when the compressor (21) is driven. This suppresses an abrupt start-up of the compressor (21) and ensures that refrigerant in the indoor heat exchanger (33) evaporates. Thus, a temperature drop of refrigerant in the low pressure side can be prevented.