

CONTAINER REFRIGERATION SYSTEM

ABSTRACT

5 A container refrigeration system includes a refrigerant circuit (20) configured to perform a refrigeration cycle and including a main circuit (21) in which a compressor (30), a condenser (31), an expansion valve (32), and an evaporator (33) are connected together in this order, and a hot gas bypass circuit (22) in which compressed refrigerant of the compressor (30) is supplied to the evaporator (33) by bypassing the condenser (31) and the expansion
10 valve (32); and a compressor control section (81) configured to, in a defrosting operation in which the compressed refrigerant of the compressor (30) returns to the compressor (30) through the hot gas bypass circuit (22) and the evaporator (33) and the evaporator (33) is defrosted, control an operating speed of the compressor (30) such that a pressure of the compressed refrigerant of the compressor (30) reaches a target value.

Fig.3