

ABSTRACT

AIR CONDITIONER

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5 An air conditioner includes a refrigeration circuit  
that includes a refrigerant compressor (5) a four-way  
valve (6), an external heat exchanger (13), an  
expansion device (4), and an internal heat exchanger  
(7), these components being mounted in an external unit  
(2) and an internal unit (4), wherein the external heat  
10 exchanger is mounted in the external unit and the  
internal heat exchanger is mounted in the internal  
unit. The heat exchangers (7, 13) are connected to  
each other by means of a refrigerant piping (3) to form  
the refrigeration circuit. A control means (19, 12,  
15 17) is provided for changing the expansion amount of  
the expansion device (9) according to the length of the  
refrigerant piping thereby adjusting the pressure  
differential in the refrigeration current. With this  
construction, it is possible to carry out the optimal  
20 operation for a longer length refrigerant piping,  
without the need to make the size of each unit larger.

This Sheet Has Been Replaced



THIS SHEET HAS BEEN  
REPLACED