

ABSTRACT
CONTROL METHOD FOR CENTRIFUGAL COMPRESSOR AND AIR
CONDITIONING SYSTEM

A control method for a centrifugal compressor and an air conditioning system are provided. The control method for the centrifugal compressor comprises: S100, when an inlet opening of the centrifugal compressor is below a first preset value, shutting down a drive motor of the centrifugal compressor; or S200, when the inlet opening of the centrifugal compressor is not below the first preset value, performing the following operations in a preset order: decreasing the inlet opening of the centrifugal compressor, and increasing a rotate speed of the centrifugal compressor. According to solutions of the present application, the control method of the centrifugal compressor provides higher reliability, longer lifetime, and lower noise for the air conditioning system to which it is applied.

[Figure 1]