

ABSTRACT

COMPRESSOR, AND METHOD OF MANUFACTURING SAME INCLUDING A PRESS-FIT INLET TUBE

An object of this invention is to provide a compressor in which the number of components and the number of manufacturing steps are reduced, and a compression element is prevented from being displaced in the casing, whereby the air gap between the rotor and the stator of the motor is held unchanged at all times. In a compressor, a connecting cylinder 11a is formed on the casing 1 having a connecting opening 11 such that it is extended from the connecting opening outwardly of the casing, and an inlet tube 6 has a first press-fitting portion 61 which is press-fitted into a refrigerant suction opening 31a and a second press-fitting portion 62 which is press-fitted into the connecting cylinder 11a. The inlet tube 6 is fixedly secured to the casing 1 by press-fitting it into the refrigerant suction opening 31a and the connecting cylinder 11a, whereby the compression element 3 is prevented from being displaced in the casing. The compression element 3 is prevented from being displaced in the casing 1 by means of the inlet tube 6. Therefore, the compression element 3 is prevented from being displaced when spot-welded; that is, the air gap between the rotor and the stator in the motor can be maintained unchanged at all times.

Fig. 1