

ABSTRACT OF THE DISCLOSURE

There is provided a rotary compressor comprising an electric driving element and a rotary compression element in a hermetically sealed casing and constituted by setting a

5 round cylinder block of the rotary compression element between a main bearing and an auxiliary bearing both of which support a shaft of the electric driving element and joining and securing at least two joining ends of the cylinder block to the inner periphery of the hermetically sealed casing; in

10 which the thickness between the outermost ends of the joining ends of the cylinder block is set to 45 to 85% of the maximum thickness of the cylinder block in the axis direction. The rotary compressor of the present invention makes it possible to greatly reduce the air column resonance in the

15 hermetically sealed casing due to pressure pulsation of discharged gas and the vibration due to pressure pulsation in the cylinder block of the rotary compression element and moreover reduce noises during operation.

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