

Title (en)
ROTARY COMPRESSOR AND REFRIGERATION CYCLE DEVICE

Title (de)
DREHKOMPRESSOR UND KÜHLKREISVORRICHTUNG

Title (fr)
COMPRESSEUR ROTATIF ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION

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Application
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Abstract (en)
In a rotary compressor of the embodiment, a thickness of a partition plate in an axial direction is smaller than a thickness of a first flange part in the axial direction and a thickness of a second flange part in the axial direction. An area of a portion in which an end surface of a first roller on a partition plate side can be exposed to a shaft hole is Sc1. An area of a portion in which an end surface of the first roller on the first flange part side can be exposed to an inner region of an outer circumference of a first groove part is Se1. At this time, $1 < Sc1/Se1 \leq 1.6$ is established. An area of a portion in which an end surface of a second roller on the partition plate side can be exposed to the shaft hole is Sc2. An area of a portion in which an end surface of the second roller on the second flange part side can be exposed to an inner region of an outer circumference of a second groove part is Se2. At this time, $1 < Sc2/Se2 \leq 1.6$ is established. A solid lubricating film is formed on a first surface of the first flange part and a second surface of the second flange part.

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