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Centrifugal refrigerant compressors

离心式制冷剂压缩机

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing

organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Refrigeration and Air-conditioning Equipment (SAC/TC238).

This document was drafted by: Chongqing Midea General Refrigeration Equipment Co., Ltd., Hefei General Electromechanical Products Testing Institute Co., Ltd., Qingdao Haier Air Conditioning Electronics Co., Ltd., Gree Electric Appliances Co., Ltd. of Zhuhai, Danfoss (China) Investment Co., Ltd., Trane Air Conditioning Systems (China) Co., Ltd.

Ltd., Qingdao Hisense Hitachi Air Conditioning Systems Co., Ltd., McQuay Air Conditioning and Refrigeration (Suzhou) Co., Ltd., Hefei General Machinery Research Institute Co., Ltd.

Co., Ltd., Johnson Controls Hitachi Wanbao Air Conditioning (Guangzhou) Co., Ltd., Bolun Environmental Technology Co., Ltd., Nanjing Tianjia Environmental Technology Co., Ltd.

Company, Qingdao Arctic Ocean Cold and Warm Energy Technology Co., Ltd., Dunham-Bush (China) Industrial Co., Ltd., Shanghai Hanzhong Precision Machinery Co., Ltd., Shanghai Jiao Tong University, Guangzhou Metro Design and Research Institute Co., Ltd., and SINOMACH General Machinery Technology Co., Ltd.

The main drafters of this document are: Luo Mingwen, Li Zhenshan, Yue Zheng, Guo Defang, Zhang Zhiping, Xun Qunde, Zhang Weijia, Zhang Wenqiang, Jiang Fuqiang, Tian Xudong, Zhang Zhenjun, Xu Shuwu, Fan Shize, Wang Jinjie, Bai Zhengbin, Lin Xinyi, Hu Bin, Luo Yanping, Li Ziye, Lu Lei, Ding Hui, Song Youqiang, and Zhang Huan.

Centrifugal refrigerant compressor

1 Scope

This document specifies the types and basic parameters, technical requirements, test methods of centrifugal refrigerant compressors and centrifugal refrigerant compressor units.

methods, inspection rules, as well as marking, packaging, transportation and storage.

This document applies to centrifugal refrigerant compressors for refrigeration or heat pumps driven by electric motors (hereinafter referred to as "compressors") and centrifugal refrigeration compressor units [hereinafter referred to as "compressors (units)"], compressors driven by other prime movers (such as diesel engines, steam turbines and gas turbines) or other The compressor (group) for the purpose is used for reference.

2 Normative references

GB/T 191

GB/T 755-2019

GB/T 1236

GB/T 5773-2016

GB/T 6388

GB/T 9237

GB/T 9239.1-2006

GB/T 12668.3-2012

GB/T 12668.501

GB/T 13306

GB/T 18430.1-2024

GB/T 19410-2008

3 Terms and definitions

The terms and definitions defined in JB/T 7249 and the following apply to this document.

3.1 A compressor in which the refrigerant vapor flows radially through the impeller

The impeller works on the refrigerant vapor to increase its pressure and velocity, and then converts the kinetic energy into pressure in the diffuser.