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# 1. Introduction

The MDV-D (Digital Scroll Air Conditioner) air conditioning system is operated by a variable-capacity compressor and is accommodated by multiple evaporators (indoor units). It is considered as the next-generation modular system with high efficiency air conditioning in the world. It has undoubtedly changed the face of cooling associated with high-storied buildings. It provides a broad range of different applications for settings such as offices, hotels and schools. With the advantage of easy installation and simple controlling system and so on, the MDV-D system can meet the demands of the air conditioning market better.