



# 1 DUNHAM BUSH VRF

**DUNHAM-BUSH**











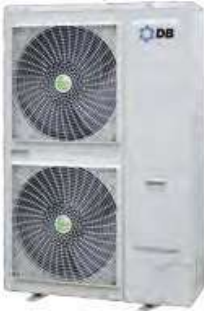
Products that perform. By people who care.

# Product Introduction

DBV-C Cooling Only & DBV-D Cooling Heating Series



50Hz	60Hz									
<b>R410a</b>										
<b>All DC inverter</b>										
<b>Max. 96HP</b>										
<b>9 basic modules</b>										
<b>kW</b>		<b>25.2</b>	<b>28.0</b>	<b>33.5</b>	<b>40.0</b>	<b>45.0</b>	<b>50.0</b>	<b>56</b>	<b>61.5</b>	<b>67.0</b>
<b>HP</b>		<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>

50Hz	60Hz						
<b>R410a</b>							
<b>All DC inverter</b>							
<b>Single phase</b>							
<b>Three phase</b>							
<b>kW</b>		<b>8.0</b>	<b>10.0</b>	<b>12.5</b>	<b>14.0</b>	<b>16.0/18.0</b>	<b>22.4/26/28/33.5</b>
<b>HP</b>		<b>3</b>	<b>3.5</b>	<b>4.5</b>	<b>5</b>	<b>6/7</b>	<b>8/9/10/12</b>

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# Product Introduction

## VRF Indoor Unit



*Various indoor units to meet all kinds of requirement*



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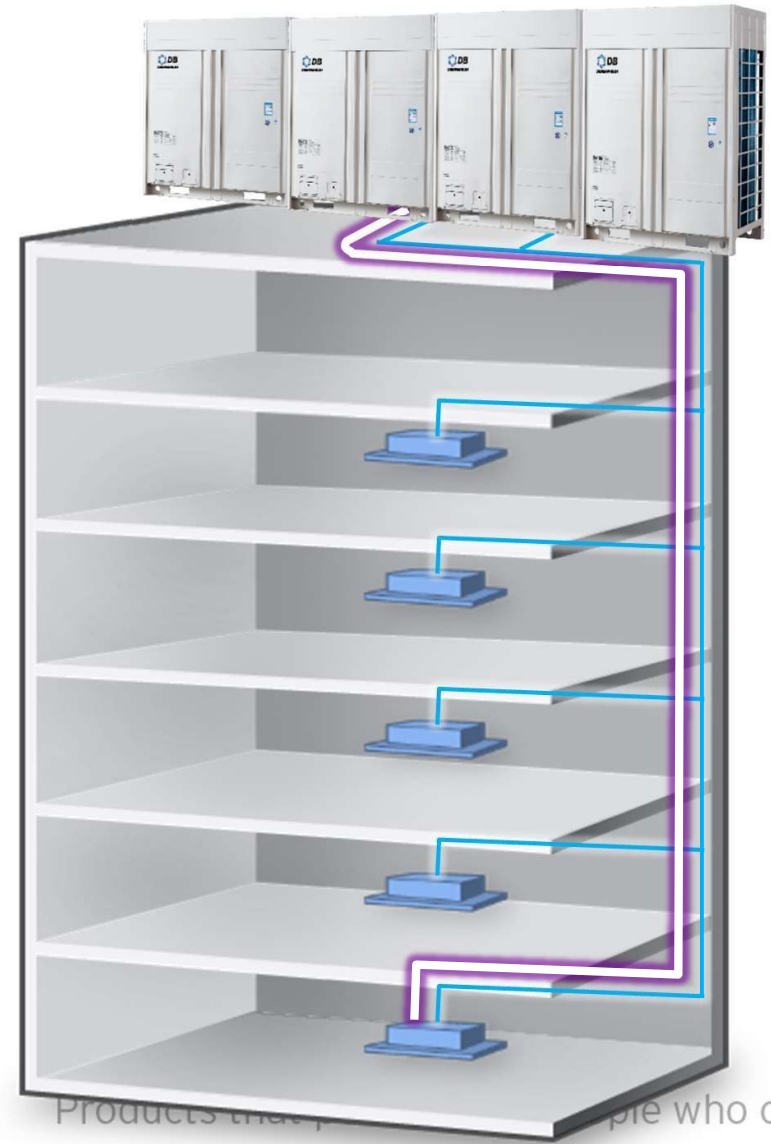
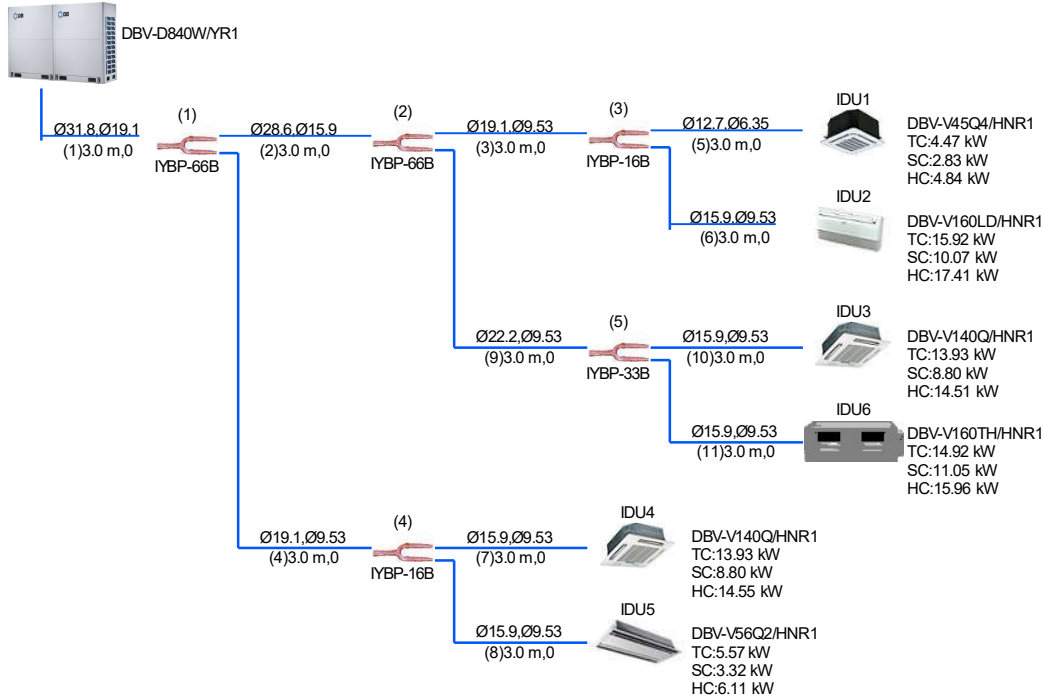


# General Introduction

## Typical Layout (DESIGN TOOL)



:83.58/91.41 kW IDU Total:68.74/44.87/73.53 kW



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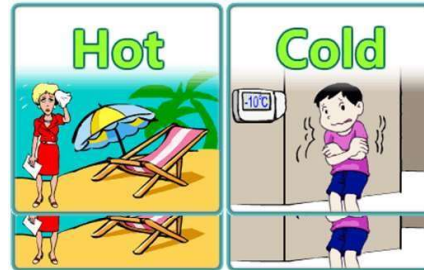
# DB VRF EXCELLENT FEATURES



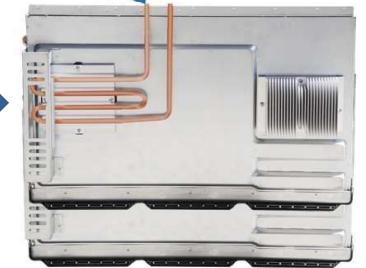
FULL DC INVERTER  
COMPRESSORS



DC BRUSHLESS MOTOR



PRECISE CONTROL of 0.5 °C



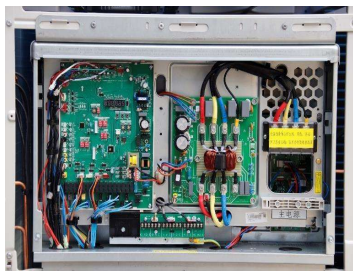
REFRIGERANT COOLED IM



WIDE OPERATING RANGE



3-PHASE POWER PROTECTOR: 295V ~456V



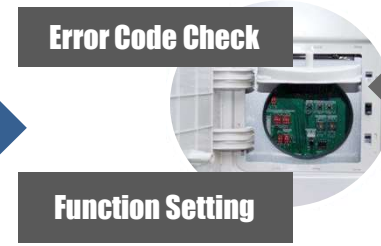
REFRIGERANT STATUS DETECTION



AUTOMATIC ADDRESSING



DUST PROOF FUNCTION



SERVICE WINDOW ON FRONT COVER



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# DB VRF EXCELLENT FEATURES



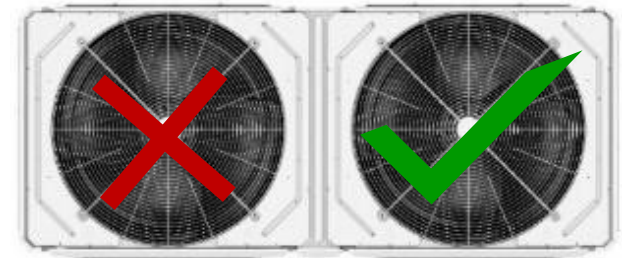
- BACK-UP OPERATION



MODULE BACK UP



COMPRESSOR BACK UP

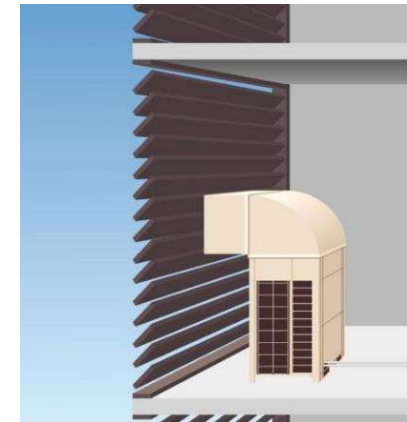


FAN MOTOR BACK UP



**100 indoor units  
IN ONE SYSTEM**

HIGH INDOOR CONNECTIVITY



ADJUSTABLE OUTDOOR FAN STATIC PRESSURE

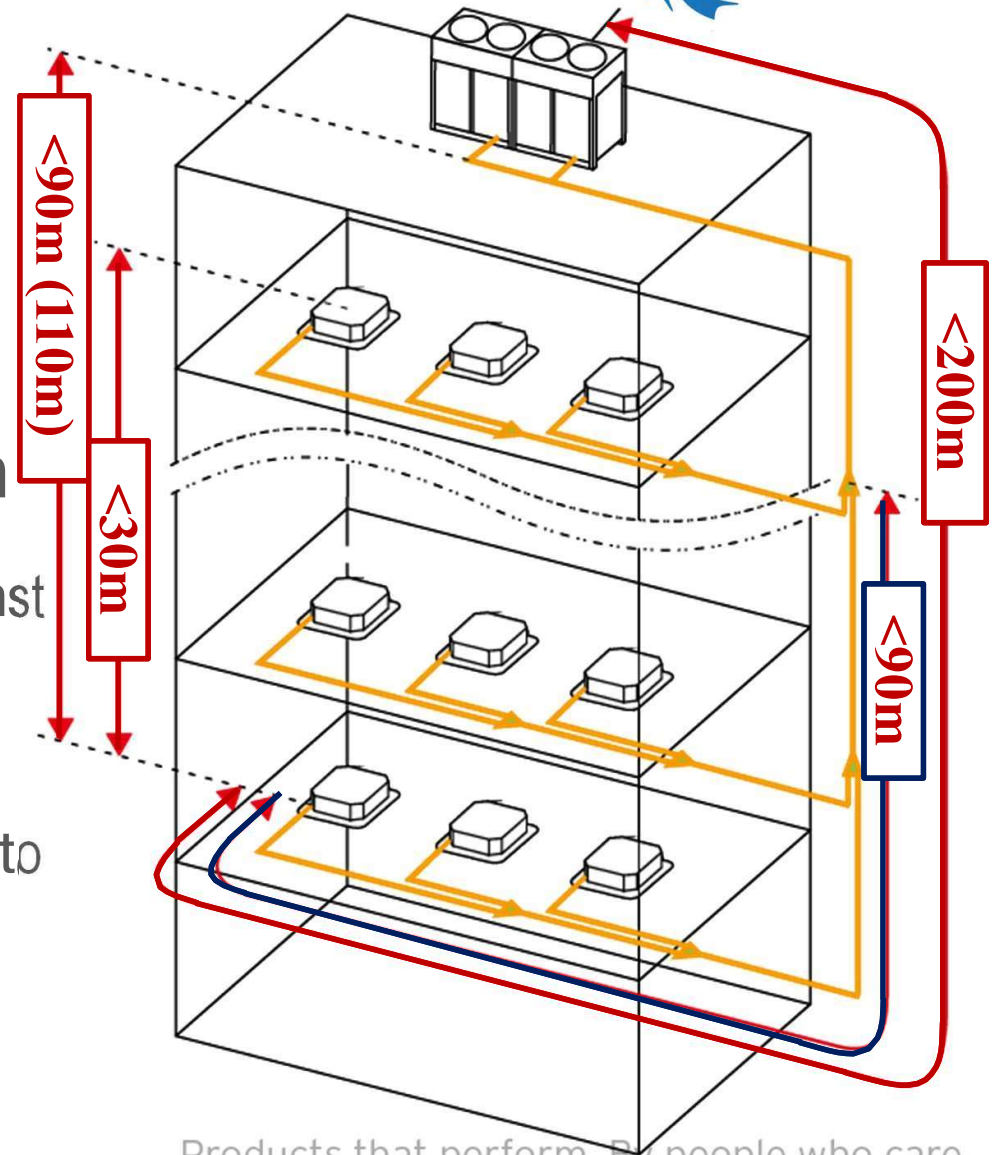
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# DB VRF PIPING PERMISSIBILITY



- The total pipe length: **1000 m**
- The longest pipe length: **200 m**
- Height diff.:
  - Outdoor unit above **<90m**
- Height diff. between indoor units: **30m**
- Length from first indoor distributor to last indoor unit: **90 m**
- Communication wire length can be up to **1000m.**

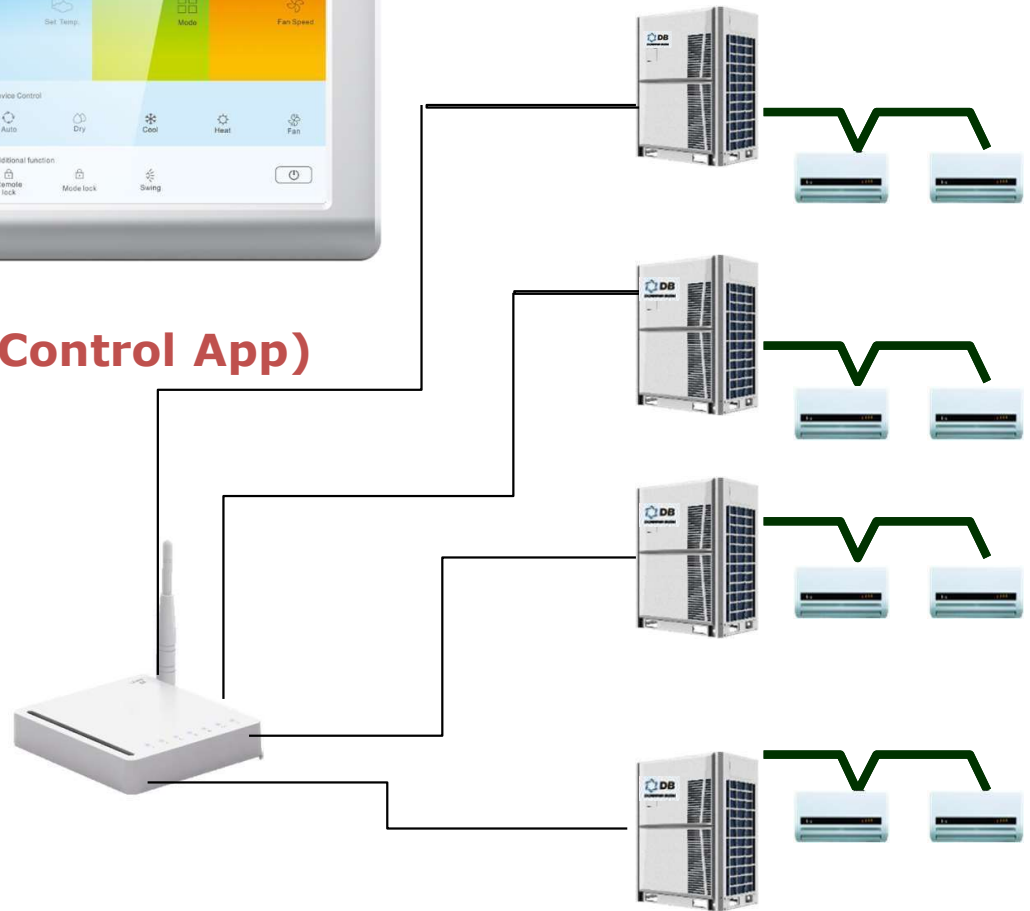


# DB VRF CONTROLLERS

- Wireless Controller
- Wired Controller (Push Button/Touch Screen)
- Touch Screen Centralized Controller (64/128/256/512 Units)



## ➤ DBM-Smart (Smart Centralized Control App)



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# DUNHAM BUSH VRF INSTALLED PICS



VRF ODU



VRF DUCT IDU



VRF CASSETTE IDU



VRF CASSETTE IDU

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