



VRV 5 S-series  
Air Conditioning  
Technical Data  
RXYSA-AY1





# Table of contents

# RXYSA-AY1

---

|    |                                     |    |
|----|-------------------------------------|----|
| 1  | <b>Features</b>                     | 4  |
|    | RXYSA-AY1                           | 4  |
| 2  | <b>Specifications</b>               | 5  |
| 3  | <b>Options</b>                      | 8  |
|    | Options                             | 8  |
| 4  | <b>Combination table</b>            | 9  |
|    | Combination Table                   | 9  |
| 5  | <b>Capacity tables</b>              | 10 |
|    | Capacity Table Legend               | 10 |
|    | Capacity Correction Factor          | 11 |
| 6  | <b>Dimensional drawings</b>         | 13 |
|    | Dimensional Drawings                | 13 |
| 7  | <b>Centre of gravity</b>            | 14 |
|    | Centre of Gravity                   | 14 |
| 8  | <b>Piping diagrams</b>              | 15 |
|    | Piping Diagrams                     | 15 |
| 9  | <b>Wiring diagrams</b>              | 16 |
|    | Notes & Legends                     | 16 |
|    | Wiring Diagrams - Single Phase      | 17 |
| 10 | <b>External connection diagrams</b> | 18 |
|    | External Connection Diagrams        | 18 |
| 11 | <b>Sound data</b>                   | 19 |
|    | Sound Power Spectrum                | 19 |
|    | Sound Pressure Spectrum - Cooling   | 22 |
|    | Sound Pressure Spectrum - Heating   | 24 |
|    | Sound power spectrum at high ESP    | 26 |
|    | Sound level data Quiet mode         | 27 |
| 12 | <b>Installation</b>                 | 28 |
|    | Installation Method                 | 28 |
|    | Refrigerant Pipe Selection          | 31 |
| 13 | <b>Operation range</b>              | 32 |
|    | Operation Range                     | 32 |
| 14 | <b>Appropriate Indoors</b>          | 33 |
|    | Appropriate Indoors                 | 33 |

# 1 Features

## 1 - 1 RXYSA-AY1

- › Reduced CO2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- › Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- › Compact (870mm high) and lightweight single fan design makes the unit unobtrusive, saves space and is easy to install
- › Easy to transport thanks to lightweight and compact design
- › Market-leading serviceability and handling, thanks to wide access area, 7-segment display and additional handle
- › Offering like-for-like R-410A installation flexibility
- › Specially designed indoor units for R-32, ensuring low sound and maximum efficiency

1



Inverter

## 2 Specifications

### 1 - 1 RXYS-AAY1

| Technical Specifications                   |                            |                                   |       | RXYS4AY1                          | RXYS5AY1                       | RXYS6AY1                          |          |
|--|----------------------------|-----------------------------------|-------|-----------------------------------|--------------------------------|-----------------------------------|----------|
| Recommended combination                    |                            |                                   |       | 3 x FXSA25A2VEB + 1 x FXSA32A2VEB | 4 x FXSA32A2VEB                | 2 x FXSA32A2VEB + 2 x FXSA40A2VEB |          |
| Cooling capacity                           | Prated,c                   |                                   | kW    | 12.1 (1)                          | 14.0 (1)                       | 15.5 (1)                          |          |
| Heating capacity                           | Nom.                       | 6°CWB                             | kW    | 12.1 (2)                          | 14.0 (2)                       | 15.5 (2)                          |          |
|  | Prated,h                   |                                   | kW    | 8.4                               | 9.7                            | 10.7                              |          |
|  | Max.                       | 6°CWB                             | kW    | 14.2 (2)                          | 16.0 (2)                       | 18.0 (2)                          |          |
| Power input - 50Hz                         | Heating                    | Nom.                              | 6°CWB | kW                                | 2.69 (2)                       | 3.33 (2)                          | 3.78 (2) |
| COP at nom. capacity                       | 6°CWB                      |                                   |       | kW/kW                             | 4.49                           | 4.20                              | 4.10     |
| SCOP                                       |                            |                                   |       | 4.9                               |                                | 4.5                               |          |
| SEER                                       |                            |                                   |       | 7.9                               | 7.4                            | 7.3                               |          |
| ηs,c                                       |                            |                                   | %     | 312.5                             | 294.8                          | 289.9                             |          |
| ηs,h                                       |                            |                                   | %     | 193.1                             | 178.8                          | 176.8                             |          |
| Space cooling                              | A Condition (35°C - 27/19) | EERd                              |       | 3.4                               | 3.1                            | 3.0                               |          |
|  |                            | Pdc                               | kW    | 12.1                              | 14.0                           | 15.5                              |          |
|  | B Condition (30°C - 27/19) | EERd                              |       | 5.6                               | 5.1                            | 4.8                               |          |
|  |                            | Pdc                               | kW    | 8.9                               | 10.3                           | 11.4                              |          |
|  | C Condition (25°C - 27/19) | EERd                              |       | 10.4                              | 9.5                            | 9.3                               |          |
|  |                            | Pdc                               | kW    | 5.7                               | 6.6                            | 7.3                               |          |
|  | D Condition (20°C - 27/19) | EERd                              |       |                                   | 17.5                           | 17.9                              |          |
|  |                            | Pdc                               | kW    | 4.9                               | 4.5                            | 4.9                               |          |
| Space heating (Average climate)            | TBivalent                  | COPd (declared COP)               |       | 2.7                               | 2.5                            | 2.4                               |          |
|  |                            | Pdh (declared heating cap)        |       | kW                                | 8.4                            | 9.7                               | 10.7     |
|  |                            | Tbiv (bivalent temperature)       |       | °C                                |                                | -10                               |          |
|  | TOL                        | COPd (declared COP)               |       | 2.7                               | 2.5                            | 2.4                               |          |
|  |                            | Pdh (declared heating cap)        |       | kW                                | 8.4                            | 9.7                               | 10.7     |
|  |                            | Tol (temperature operating limit) |       | °C                                |                                | -10                               |          |
|  | A Condition (-7°C)         | COPd (declared COP)               |       | 3.3                               |                                | 2.8                               |          |
|  |                            | Pdh (declared heating cap)        |       | kW                                | 7.4                            | 8.5                               | 9.5      |
|  | B Condition (2°C)          | COPd (declared COP)               |       | 4.7                               | 4.3                            | 4.1                               |          |
|  |                            | Pdh (declared heating cap)        |       | kW                                | 4.5                            | 5.2                               | 5.8      |
|  | C Condition (7°C)          | COPd (declared COP)               |       | 6.8                               |                                | 6.5                               |          |
|  |                            | Pdh (declared heating cap)        |       | kW                                |                                | 3.3                               | 3.7      |
|  | D Condition (12°C)         | COPd (declared COP)               |       | 8.6                               | 8.4                            | 8.7                               |          |
|  |                            | Pdh (declared heating cap)        |       | kW                                |                                | 3.9                               | 4.0      |
|  | Capacity range             |                                   |       | HP                                | 4                              | 5                                 | 6        |
|  | PED                        | Category                          |       |                                   | Category III                   |                                   |          |
| Most critical part                         |                            | Name                              | Ps*V  | Bar*l                             | Accumulator 257                |                                   |          |
| Maximum number of connectable indoor units |                            |                                   |       | 13 (3)                            | 16 (3)                         | 18 (3)                            |          |
| Indoor index connection                    | Min.                       |                                   |       | 50.0                              | 62.5                           | 70.0                              |          |
|  | Nom.                       |                                   |       | 100                               | 125                            | 140                               |          |
|  | Max.                       |                                   |       | 130.0                             | 162.5                          | 182.0                             |          |
| Dimensions                                 | Unit                       | Height                            | mm    |                                   | 869                            |                                   |          |
|  |                            | Width                             | mm    |                                   | 1,100                          |                                   |          |
|  |                            | Depth                             | mm    |                                   | 460                            |                                   |          |
|  | Packed unit                | Height                            | mm    |                                   | 1,050                          |                                   |          |
| Dimensions                                 | Packed unit                | Width                             | mm    |                                   | 1,205                          |                                   |          |
|  |                            | Depth                             | mm    |                                   | 569                            |                                   |          |
| Weight                                     | Unit                       |                                   | kg    |                                   | 102                            |                                   |          |
|  | Packed unit                |                                   | kg    |                                   | 115                            |                                   |          |
| Packing                                    | Material                   |                                   |       |                                   | Carton                         |                                   |          |
|  | Weight                     |                                   | kg    |                                   | 4                              |                                   |          |
| Packing 2                                  | Material                   |                                   |       |                                   | Wood                           |                                   |          |
|  | Weight                     |                                   | kg    |                                   | 6                              |                                   |          |
| Packing 3                                  | Material                   |                                   |       |                                   | Plastic                        |                                   |          |
|  | Weight                     |                                   | kg    |                                   | 1                              |                                   |          |
| Casing                                     | Colour                     |                                   |       |                                   | Ivory white                    |                                   |          |
|  | Material                   |                                   |       |                                   | Painted galvanized steel plate |                                   |          |
| Heat exchanger                             | Type                       |                                   |       | Cross fin coil                    |                                |                                   |          |
|  | Indoor side                |                                   |       | Air                               |                                |                                   |          |
|  | Outdoor side               |                                   |       | Air                               |                                |                                   |          |
|  | Air flow rate              | Cooling                           | Rated | m <sup>3</sup> /h                 | 5,342                          |                                   |          |
|  |                            | Heating                           | Rated | m <sup>3</sup> /h                 | 5,519                          |                                   | 6,204    |

## 2 Specifications

### 1 - 1 RXYSA-AY1

| Technical Specifications   |                           |                         |                                  |                | RXYSA4AY1                            | RXYSA5AY1 | RXYSA6AY1 |
|--|---------------------------|-------------------------|----------------------------------|----------------|--------------------------------------|-----------|-----------|
| Fan  | Quantity                  |                         |                                  |                | 1                                    |           |           |
|  | External static pressure  | Max.                    | Pa                               | 45             |                                      |           |           |
| Fan motor  | Quantity                  |                         |                                  |                | 1                                    |           |           |
|  | Type                      |                         |                                  |                | DC motor                             |           |           |
|  | Output                    |                         | W                                |                | 234                                  |           |           |
| Compressor   | Quantity                  |                         |                                  |                | 1                                    |           |           |
|  | Type                      |                         |                                  |                | Hermetically sealed swing compressor |           |           |
|  | Crankcase heater          |                         | W                                |                | 33                                   |           |           |
| Operation range  | Cooling                   | Min.                    | °CDB                             |                | -5                                   |           |           |
|  |                           | Max.                    | °CDB                             |                | 46                                   |           |           |
|  | Heating                   | Min.                    | °CWB                             |                | -20                                  |           |           |
|  |                           | Max.                    | °CWB                             |                | 16                                   |           |           |
| Sound power level  | Cooling                   | Nom.                    | dBA                              | 67.0 (4)       | 68.1 (4)                             | 69.0 (4)  |           |
|  | Heating                   | According to ENER LOT21 |                                  | dBA            | 57.0 (5)                             | 59.0 (5)  | 60.0 (5)  |
| Sound pressure level   | Cooling                   | Nom.                    | dBA                              | 49.0 (6)       | 51.0 (6)                             |           |           |
|  | Heating                   |                         |                                  | dBA            | 50.0 (6)                             | 52.0 (6)  |           |
| Refrigerant  | Type                      |                         |                                  |                | R-32                                 |           |           |
|  | GWP                       |                         |                                  |                | 675.0                                |           |           |
|  | Charge                    |                         | TCO2Eq                           |                | 2.30                                 |           |           |
|  | Charge                    |                         | kg                               |                | 3.40                                 |           |           |
| Refrigerant oil  | Type                      |                         |                                  |                | FW68DE                               |           |           |
|  | Charged volume            |                         | l                                |                | 1.9                                  |           |           |
| Piping connections   | Liquid                    | Type                    |                                  |                | Braze connection                     |           |           |
|  |                           | OD                      | mm                               |                | 9,52                                 |           |           |
|  | Gas                       | Type                    |                                  |                | Braze connection                     |           |           |
|  |                           | OD                      | mm                               |                | 15,9                                 |           |           |
|  | Total piping length       | System                  | Actual                           | m              | 300 (7)                              |           |           |
|  | Level difference          | OU - IU                 | Outdoor unit in highest position |                | m                                    | 50        |           |
| Indoor unit in highest position                                  |                           |                         | m                                | 40             |                                      |           |           |
| Defrost method   |                           |                         |                                  | Reversed cycle |                                      |           |           |
| Capacity control   | Method                    |                         |                                  |                | Inverter controlled                  |           |           |
| Indication if the heater is equipped with a supplementary heater |                           |                         |                                  |                |                                      |           |           |
| Supplementary heater   | Back-up capacity          | Heating                 | elbu                             | kW             | 0.000                                |           |           |
| Power consumption in other than active mode                      | Crankcase heater          | Cooling                 | PCK                              | kW             | 0.000                                |           |           |
|  |                           | Heating                 | PCK                              | kW             | 0.031                                |           |           |
|  | Off mode                  | Cooling                 | POFF                             | kW             | 0.038                                |           |           |
|  |                           | Heating                 | POFF                             | kW             | 0.013                                |           |           |
|  | Standby mode              | Cooling                 | PSB                              | kW             | 0.038                                |           |           |
|  |                           | Heating                 | PSB                              | kW             | 0.013                                |           |           |
|  | Thermostat-off mode       | Cooling                 | PTO                              | kW             | 0.006                                |           |           |
|  |                           | Heating                 | PTO                              | kW             | 0.049                                |           |           |
| Cooling  | Cdc (Degradation cooling) |                         |                                  |                | 0.25                                 |           |           |
| Heating  | Cdh (Degradation heating) |                         |                                  |                | 0.25                                 |           |           |
| Safety devices   | Item                      | 03                      |                                  |                | Inverter overload protector          |           |           |
|  |                           | 04                      |                                  |                | Compressor motor thermal protector   |           |           |
|  |                           | 05                      |                                  |                | Fan driver overload protector        |           |           |
|  |                           | 06                      |                                  |                | PC board fuse                        |           |           |
|  |                           | 07                      |                                  |                | High pressure switch (automatic)     |           |           |
|  |                           | 08                      |                                  |                | High pressure switch (manual)        |           |           |

Standard accessories: Installation and operation manual; Quantity: 1;

Standard accessories: General safety precautions; Quantity: 1;

Standard accessories: Peel off F-gas label; Quantity: 1;

Standard accessories: Refrigerant label for F-gas regulation; Quantity: 1;

Standard accessories: Tie-wraps; Quantity: 2;

Standard accessories: Auxiliary piping set; Quantity: 1;

Standard accessories: Caution label; Quantity: 1;

## 2 Specifications

### 1 - 1 RXYSA-AY1

| Electrical Specifications |                                 |           | RXYSA4AY1                    | RXYSA5AY1 | RXYSA6AY1 |  |
|---------------------------|---------------------------------|-----------|------------------------------|-----------|-----------|--|
| Power supply              | Name                            |           | Y1                           |           |           |  |
|                           | Phase                           |           | 3N~                          |           |           |  |
|                           | Frequency                       | Hz        | 50                           |           |           |  |
|                           | Voltage                         | V         | 380-415                      |           |           |  |
| Power supply intake       |                                 |           | Both indoor and outdoor unit |           |           |  |
| Voltage range             | Min.                            | %         | -10                          |           |           |  |
|                           | Max.                            | %         | 10                           |           |           |  |
| Current                   | Nominal running current (RLA)   | Cooling A | 5.4 (8)                      | 6.8 (8)   | 7.6 (8)   |  |
| Current - 50Hz            | Starting current (MSC) - remark |           | See note 9                   |           |           |  |
|                           | Zmax                            | List      | No requirements              |           |           |  |
|                           | Minimum circuit amps (MCA)      |           | A                            | 13.6 (11) |           |  |
|                           | Maximum fuse amps (MFA)         |           | A                            | 16 (12)   |           |  |
|                           | Total overcurrent amps (TOCA)   |           | A                            | 13.6 (13) |           |  |
|                           | Full load amps (FLA)            |           | Total A                      | 1.3 (14)  |           |  |
| Wiring connections - 50Hz | For power supply                | Quantity  | 5G                           |           |           |  |
|                           | For connection with indoor      | Quantity  | 2                            |           |           |  |
|                           |                                 | Remark    | F1,F2                        |           |           |  |

(1)Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m |

(2)Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m |

(3)The actual number of units depends on the connection ratio (CR) and the restrictions for the system. |

(4)Sound power level is an absolute value that a sound source generates. |

(5)According to ENER Lot 21 |

(6)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. |

(7)Refer to refrigerant pipe selection or installation manual |

(8)RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB |

(9)MSC means the maximum current during start up of the compressor. This unit uses only inverter compressors. Starting current is always ≤ max. running current. |

(10)In accordance with EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Ssc ≥ minimum Ssc value |

(11)MCA must be used to select the correct field wiring size. The MCA can be regarded as the maximum running current. |

(12)MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). |

(13)TOCA means the total value of each OC set. |

(14)FLA means the nominal running current of the fan

# 3 Options

## 3 - 1 Options

**3**
**RXYSA-AV1**  
**RXYSA-AY1**
**VRV5-S Heat pump**  
 Option list

| Nr. | Item                            | RXYSA4~6A7V1B | RXYSA4~6A7Y1B |
|-----|---------------------------------|---------------|---------------|
| 1.  | Refnet header                   | KHRQ22M29H    | KHRQ22M29H    |
| 2.  | Refnet joint                    | KHRQ22M20T    | KHRQ22M20T    |
| 3a. | Cool/heat selector (switch)     | KRC19-26      | KRC19-26      |
| 3b. | Cool/heat selector (fixing box) | KJB111A       | KJB111A       |
| 4.  | VRV configurator                | EKPCCAB4      | EKPCCAB4      |
| 5.  | Bottom plate heater             | EKBPH250D     | EKBPH250D     |

Notes

1. All options are kits
2. Cool/Heat selector PCB is standard in unit.
3. To mount option '3a', option '3b' is required.

**3D127872**

# 4 Combination table

## 4 - 1 Combination Table

RXYSA-AV1  
RXYSA-AY1

**VRV5-S** Heat pump  
Indoor unit combination restrictions

| Combination table         | RXYSA4~6A7V1B | RXYSA4~6A7Y1B |
|---------------------------|---------------|---------------|
| ·VRV* R32 DX· indoor unit | O             | O             |
| ·RA DX· indoor unit       | X             | X             |
| Hydrobox unit             | X             | X             |
| Air handling unit (AHU)   | X             | X             |

O : Allowed  
X : Not allowed

**3D127866**

## 5 Capacity tables

### 5 - 1 Capacity Table Legend

5

In order to fulfill more your requirements on quick access of data in the format you require, we have developed a tool to consult capacity tables.

Below you can find the link to the capacity table database and an overview of all the tools we have to help you select the correct product:

- **Capacity table database:** lets you find back and export quickly the capacity information you are looking for based upon unit model, refrigerant temperature and connection ratio.
- You can access the capacity table viewer here:  
[https://my.daikin.eu/content/denv/en\\_US/home/applications/software-finder/capacity-table-viewer.html](https://my.daikin.eu/content/denv/en_US/home/applications/software-finder/capacity-table-viewer.html)



- An overview of **all software tools** that we offer can be found here:  
[https://my.daikin.eu/denv/en\\_US/home/applications/software-finder.html](https://my.daikin.eu/denv/en_US/home/applications/software-finder.html)



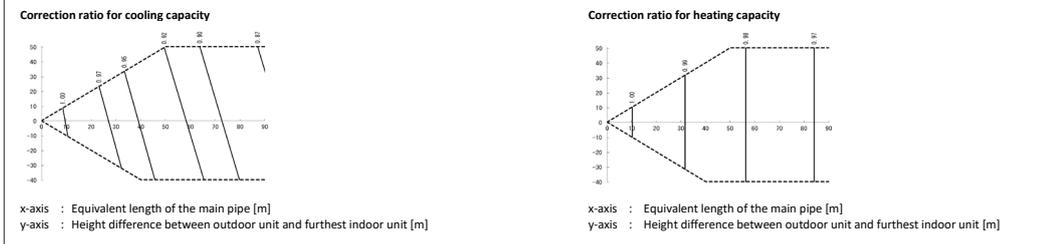
# 5 Capacity tables

## 5 - 2 Capacity Correction Factor

**RXYS44V1**

**RXYS44Y1**

**RXYS44A7(V/Y)1B**



- Notes**
- These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown in the above figures.
  - With this outdoor unit, the following control is used:- in case of cooling: constant evaporating pressure control- in case of heating: constant condensing pressure control
  - Method of calculating the capacity of the outdoor units.**  
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

**Indoor connection ratio ≤ 100%.**  
 Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. x [ Correction factor for main pipe -  $\frac{\text{Longest branch length}}{40 \text{ m}}$  x 0,02 ]

**Indoor connection ratio > 100%.**  
 Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at installed connection ratio. x [ Correction factor for main pipe -  $\frac{\text{Longest branch length}}{40 \text{ m}}$  x 0,02 ]

The correction factor for the main pipe can be found in graphs above.  
 The correction factor for the longest branch is calculated separately. The maximum allowed branch length of 40- m corresponds with correction factor 0,02.  
 4. If the equivalent piping length between the outdoor unit and the furthest indoor unit is ≥ 90- m, the size of the main gas pipe (between outdoor unit and first refrigerant branch kit) must be increased. For the new diameters, see below.

| Model       | Standard liquid side Ø | Increased liquid side Ø | Standard gas side Ø | Increased gas side Ø |
|-------------|------------------------|-------------------------|---------------------|----------------------|
| RXYS44A7V1B | 9,5                    | Not increased           | 15,9                | 19,1                 |
| RXYS44A7Y1B |                        |                         |                     |                      |

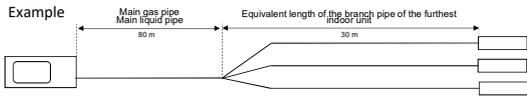
**Equivalent length of the main pipe**  
 • Cooling mode = 80 m x 0,5 = 40 m  
 • Heating mode = 80 m x 1,0 = 80 m

5. Equivalent length of the main pipe  
 Equivalent length of the main pipe = Equivalent length of the main pipe x Correction factor

**Capacity correction ratio (height difference = 0)**  
 • Cooling mode = 0,95 - (30/40) x 0,02 = 0,935  
 • Heating mode = 0,972 - (30/40) x 0,02 = 0,957

Choose the correction factor from the following table.

|         | Standard size | Size increase |
|---------|---------------|---------------|
| Cooling | 1,0           | 0,5           |
| Heating | 1,0           | 1,0           |

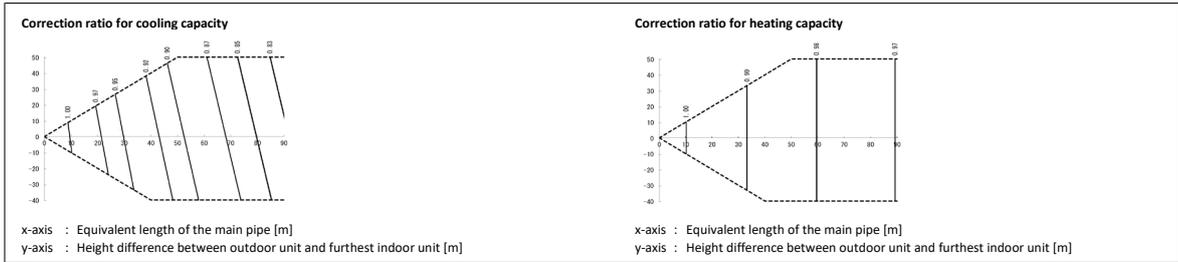


**4D127880**

**RXYS45V1**

**RXYS45Y1**

**RXYS45A7(V/Y)1B**



- Notes**
- These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown in the above figures.
  - With this outdoor unit, the following control is used:- in case of cooling: constant evaporating pressure control- in case of heating: constant condensing pressure control
  - Method of calculating the capacity of the outdoor units.**  
The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

**Indoor connection ratio ≤ 100%.**  
 Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. x [ Correction factor for main pipe -  $\frac{\text{Longest branch length}}{40 \text{ m}}$  x 0,02 ]

**Indoor connection ratio > 100%.**  
 Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at installed connection ratio. x [ Correction factor for main pipe -  $\frac{\text{Longest branch length}}{40 \text{ m}}$  x 0,02 ]

The correction factor for the main pipe can be found in graphs above.  
 The correction factor for the longest branch is calculated separately. The maximum allowed branch length of 40- m corresponds with correction factor 0,02.  
 4. If the equivalent piping length between the outdoor unit and the furthest indoor unit is ≥ 90- m, the size of the main gas pipe (between outdoor unit and first refrigerant branch kit) must be increased. For the new diameters, see below.

| Model       | Standard liquid side Ø | Increased liquid side Ø | Standard gas side Ø | Increased gas side Ø |
|-------------|------------------------|-------------------------|---------------------|----------------------|
| RXYS45A7V1B | 9,5                    | Not increased           | 15,9                | 19,1                 |
| RXYS45A7Y1B |                        |                         |                     |                      |

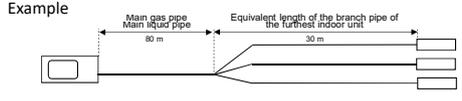
**Equivalent length of the main pipe**  
 • Cooling mode = 80 m x 0,5 = 40 m  
 • Heating mode = 80 m x 1,0 = 80 m

5. Equivalent length of the main pipe  
 Equivalent length of the main pipe = Equivalent length of the main pipe x Correction factor

**Capacity correction ratio (height difference = 0)**  
 • Cooling mode = 0,928 - (30/40) x 0,02 = 0,913  
 • Heating mode = 0,973 - (30/40) x 0,02 = 0,958

Choose the correction factor from the following table.

|         | Standard size | Size increase |
|---------|---------------|---------------|
| Cooling | 1,0           | 0,5           |
| Heating | 1,0           | 1,0           |



**4D127880**

# 5 Capacity tables

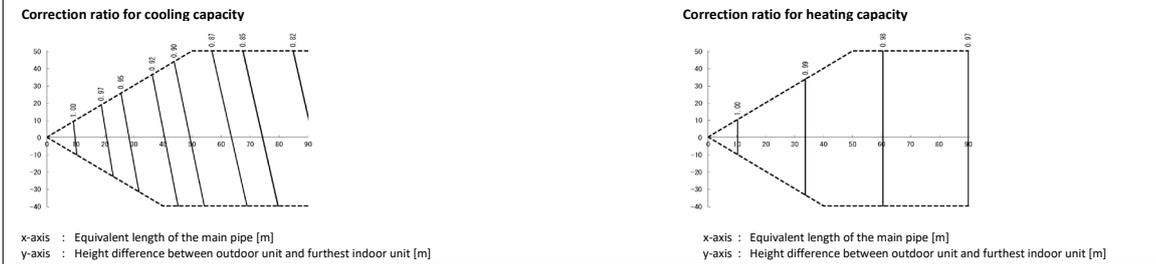
## 5 - 2 Capacity Correction Factor

5

### RXYSA6AV1

### RXYSA6AY1

#### RXYSA6A7(V/Y)1B



**Notes**

1. These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown in the above figures.

2. With this outdoor unit, the following control is used: - in case of cooling: constant evaporating pressure control - in case of heating: constant condensing pressure control

**3. Method of calculating the capacity of the outdoor units.**

The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of the outdoor units as mentioned below, whichever is less.

**Indoor connection ratio ≤ 100%.**

$$\text{Maximum capacity of outdoor units} = \text{Capacity of outdoor units from capacity table at 100\% connection ratio.} \times \left[ \begin{array}{l} \text{Correction factor for main pipe} \\ \text{Longest branch length} \\ 40 \text{ m} \end{array} \right] \times 0,02$$

**Indoor connection ratio > 100%.**

$$\text{Maximum capacity of outdoor units} = \text{Capacity of outdoor units from capacity table at installed connection ratio.} \times \left[ \begin{array}{l} \text{Correction factor for main pipe} \\ \text{Longest branch length} \\ 40 \text{ m} \end{array} \right] \times 0,02$$

The correction factor for the main pipe can be found in graphs above.

The correction factor for the longest branch is calculated separately. The maximum allowed branch length of 40 m corresponds with correction factor 0,02.

4. If the equivalent piping length between the outdoor unit and the furthest indoor unit is ≥ 90 m, the size of the main gas pipe (between outdoor unit and first refrigerant branch kit) must be increased. For the new diameters, see below.

| Model       | Standard liquid side Ø | Increased liquid side Ø | Standard gas side Ø | Increased gas side Ø |
|-------------|------------------------|-------------------------|---------------------|----------------------|
| RXYSA6A7V1B | 9,5                    | Not increased           | 15,9                | 19,1                 |
| RXYSA6A7Y1B |                        |                         |                     |                      |

**Equivalent length of the main pipe**

- Cooling mode = 80 m x 0,5 = 40 m
- Heating mode = 80 m x 1,0 = 80 m

**Capacity correction ratio (height difference = 0)**

- Cooling mode = 0,92 - (30/40) x 0,02 = 0,905
- Heating mode = 0,973 - (30/40) x 0,02 = 0,958

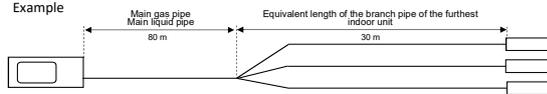
**5. Equivalent length of the main pipe**

$$\text{Equivalent length of the main pipe} = \text{Equivalent length of the main pipe} \times \text{Correction factor}$$

Choose the correction factor from the following table.

|         | Standard size | Size increase |
|---------|---------------|---------------|
| Cooling | 1,0           | 0,5           |
| Heating | 1,0           | 1,0           |

**Example**



4D127880

### RXYSA-AV1

### RXYSA-AY1

## VRV5-S Heat pump

### Integrated heating capacity coefficient

The heating capacity tables do not take into account the capacity reduction in case of frost accumulation or defrost operation.

The capacity values that take these factors into account, or in other words, the integrated heating capacity values, can be calculated as follows:

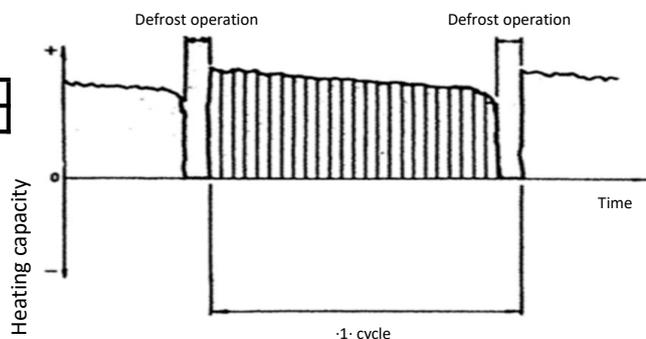
**Formula**

- A = Integrated heating capacity
- B = Capacity characteristics value
- C = Integrated correction factor for frost accumulation (see table)

$$A = B * C$$

**Inlet air temperature of heat exchanger**

| [°CDB/°CWB] | -7/-7.6 | -5/-5.6 | -3/-3.7 | 0/-0.7 | 3/2.2 | 5/4.1 | 7/6  |
|-------------|---------|---------|---------|--------|-------|-------|------|
| RXYSA4A7V1B | 0,79    | 0,74    | 0,73    | 0,72   | 0,73  | 0,74  | 1,00 |



**Notes**

1. The figure shows the integrated heating capacity for a single cycle (from one defrost operation to the next).

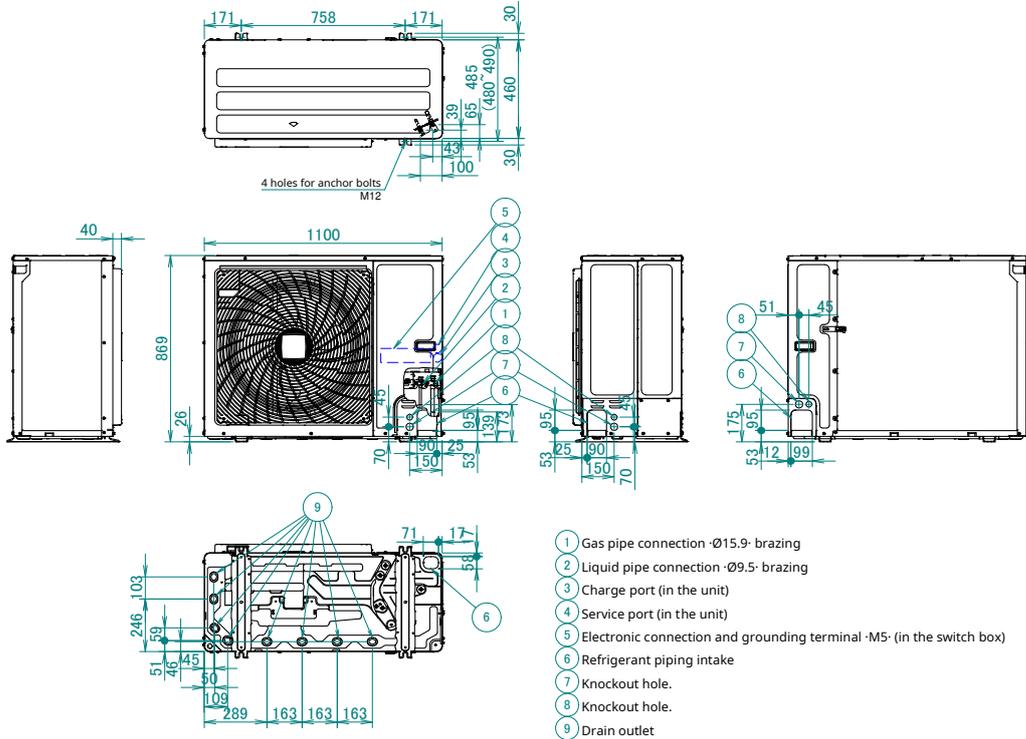
2. When there is an accumulation of snow against the outdoor unit heat exchanger, there will always be a temporary reduction in capacity depending on the outdoor temperature (°C DB), relative humidity (RH) and the amount of frosting which occurs.

4D127879

# 6 Dimensional drawings

## 6 - 1 Dimensional Drawings

RXYSA-AV1  
RXYSA-AY1



- ① Gas pipe connection -Ø15.9- brazing
- ② Liquid pipe connection -Ø9.5- brazing
- ③ Charge port (in the unit)
- ④ Service port (in the unit)
- ⑤ Electronic connection and grounding terminal -M5- (in the switch box)
- ⑥ Refrigerant piping intake
- ⑦ Knockout hole.
- ⑧ Knockout hole.
- ⑨ Drain outlet

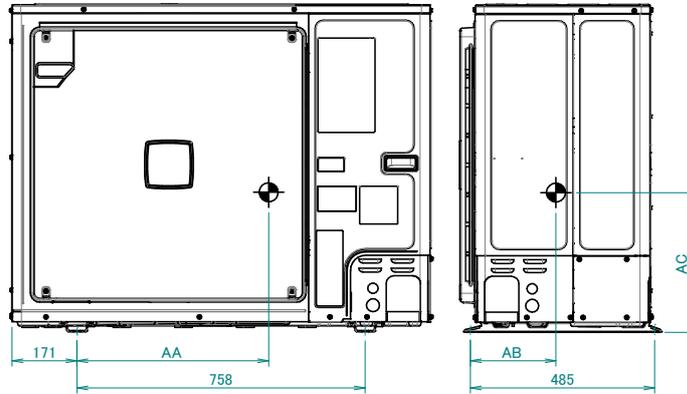
3D127871

# 7 Centre of gravity

## 7 - 1 Centre of Gravity

7

RXYSA-AV1  
RXYSA-AY1



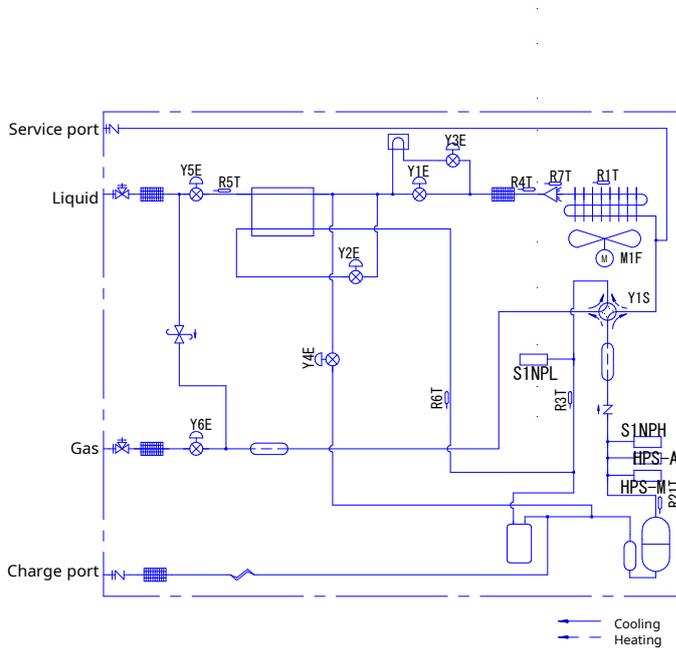
| Model            | AA    | AB    | AC    |
|------------------|-------|-------|-------|
| RZAG71N7V1B      | 520.3 | 238.7 | 357.8 |
| RZAG71N7Y1B      | 525.9 | 224.7 | 359.8 |
| RZAG100N7V1B     | 499.7 | 239.3 | 367.6 |
| RZAG100N7Y1B     | 511.2 | 223.5 | 362.5 |
| RZAG125/140N7V1B | 486.3 | 229.2 | 371.8 |
| RZAG125/140N7Y1B | 493.4 | 215.8 | 372.2 |
| RXYSA4/5/6A7V1B  | 530.4 | 249.9 | 389.0 |
| RXYSA4/5/6A7Y1B  |       |       |       |

4D120933B

# 8 Piping diagrams

## 8 - 1 Piping Diagrams

RXYSA-AV1  
RXYSA-AY1



- Electronic expansion valve
- Charge port / Service port
- Stop valve
- Filter
- Check valve
- Pressure relief valve
- Heat sink (PCB)
- High pressure switch Automatic reset
- High pressure switch Manual reset
- High pressure sensor
- Low pressure sensor
- Double tube heat exchanger
- Distributor
- Propeller fan
- Heat exchanger
- Accumulator
- Compressor
- Compressor Accumulator
- Thermistor
- Capillary tube
- Muffler
- 4-way valve

→ Cooling  
← Heating

3D127852

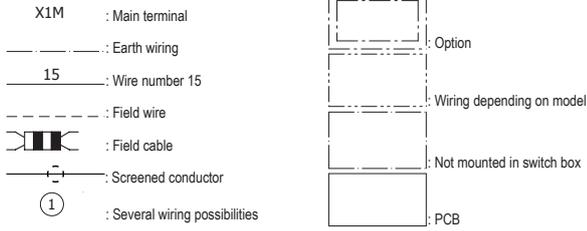
# 9 Wiring diagrams

## 9 - 1 Notes & Legend

### RXYSA-AY1

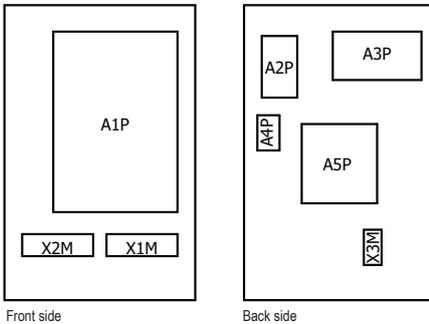
#### NOTES to go through before starting the unit

1. Symbols



- Refer to the installation or service manual on how to use BS1 ~ BS3 push buttons and DS1-1 ~ DS1-2 DIP switches.
- Do not operate the unit by short-circuiting protection device S1PH. S1PH-A automatically resets after high pressure has been exceeded, S1PH-M has to be manually reset after high pressure has been exceeded.
- Refer to the installation manual for indoor-outdoor transmission F1-F2 wiring.
- When using the central control system, connect outdoor-outdoor transmission F1-F2.
- The capacity of the contact is 220-240V AC - 0.5A (Rush current needs 3A or less).
- Use dry contact for micro-current (1 mA or less 12V DC).
- Digital output: max 40V DC - 0.025A. Refer to installation manual for how to use this output.
- For X27A refer to the installation manual of the option.

#### POSITION IN SWITCH BOX



#### LEGEND

| Part n°      | Description                         |
|--------------|-------------------------------------|
| A1P          | main PCB                            |
| A2P          | sub PCB                             |
| A3P          | back up PCB                         |
| A4P          | cool / heat selector PCB            |
| A5P          | noise filter PCB                    |
| BS* (A1P)    | push button switch                  |
| C* (A1P)     | capacitors                          |
| DS* (A1P)    | dipswitch                           |
| E1H          | * bottom plate heater               |
| E1HC         | crank case heater                   |
| F1U (A1P)    | fuse T 6.3 A 250 V                  |
| F1U (A2P)    | fuse T 3.15 A 250 V                 |
| F1U          | fuse T 1.0 A 250 V                  |
| F6U (A1P)    | fuse T 6.3 A 250 V                  |
| F7U (A1P)    | fuse T 5 A 250 V                    |
| F101U (A3P)  | fuse T 2.0 A 250 V                  |
| HAP (A1PA3P) | running LED (service monitor-green) |
| K*M (A1P)    | contactor on PCB                    |
| K*R (A*P)    | relay on PCB                        |
| L1R (A1P)    | reactor                             |
| M1C          | motor (compressor)                  |
| M1F          | motor (fan)                         |
| PS* (A*P)    | switching power supply              |
| Q1           | overload switch                     |
| Q1DI         | # earth leakage circuit breaker     |
| R* (A1P)     | resistor                            |
| R1T          | thermistor (ambient)                |
| R3T          | thermistor (suction)                |
| R4T          | thermistor (liquid)                 |
| R5T          | thermistor (subcool)                |
| R6T          | thermistor (superheat)              |
| R7T          | thermistor (heat exchanger)         |
| R10T         | thermistor (fin)                    |
| R21T         | thermistor (discharge)              |
| R*T (A*P)    | PTC thermistor                      |
| S1NPH        | high pressure sensor                |

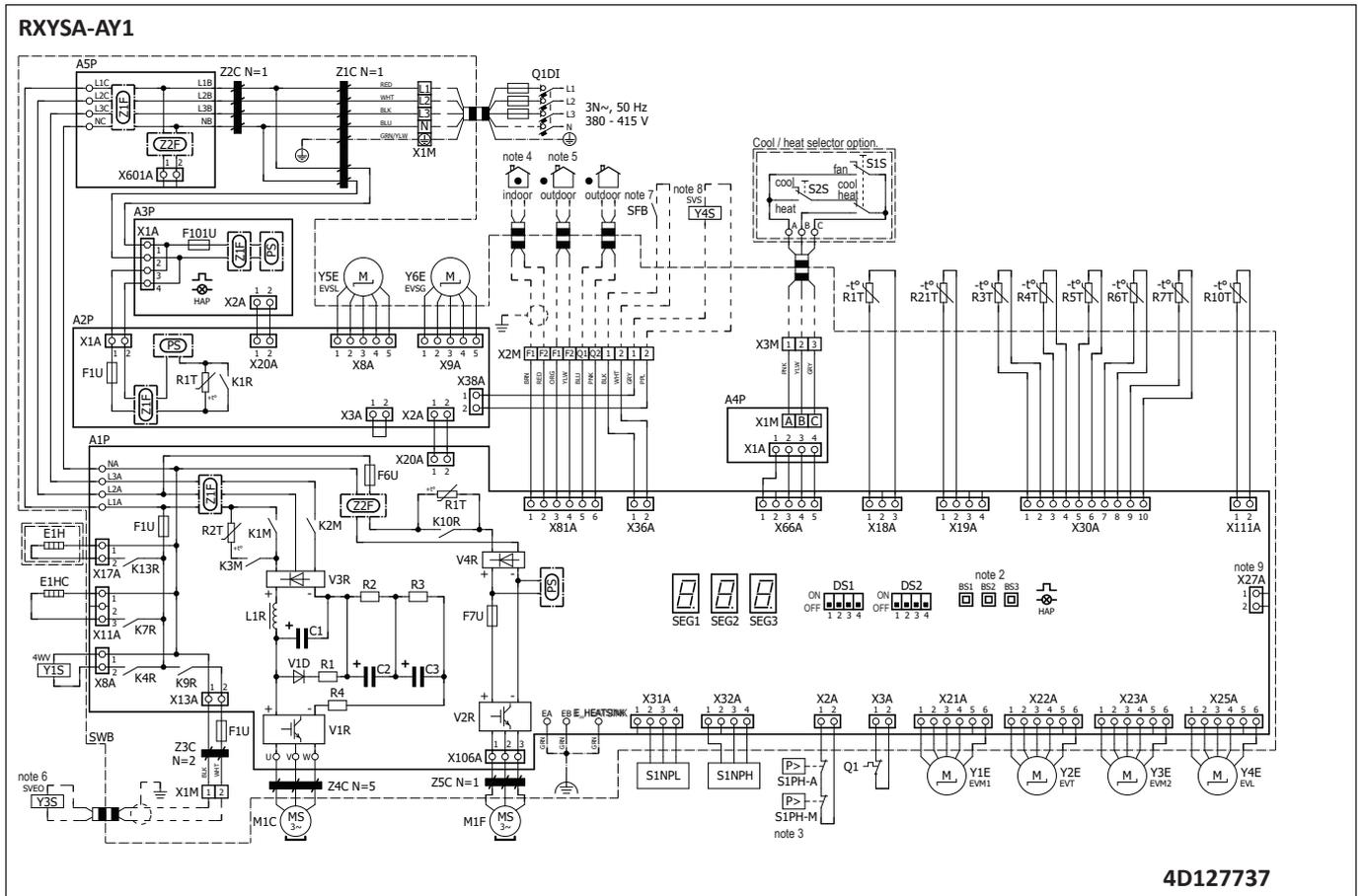
| Part n°        | Description                          |
|----------------|--------------------------------------|
| S1NPL          | low pressure sensor                  |
| S1PH*          | high pressure switch                 |
| S1S            | * air control switch                 |
| S2S            | * cool / heat switch                 |
| SEG* (A1P)     | 7-segment display                    |
| SFB            | # mechanical ventilation error input |
| V*D            | diode                                |
| V1R, V2R (A1P) | IGBT power module                    |
| V3R, V4R (A1P) | diode module                         |
| X*A            | PCB connector                        |
| X*M            | terminal strip                       |
| X*Y            | connector                            |
| Y1E            | electronic exp. valve (main - EVM1)  |
| Y2E            | electronic exp. valve (EVT)          |
| Y3E            | electronic exp. valve (main - EVM2)  |
| Y4E            | electronic exp. valve (EVL)          |
| Y5E            | electronic exp. valve (EVSL)         |
| Y6E            | electronic exp. valve (EVSG)         |
| Y1S            | solenoid valve (4-way valve)         |
| Y3S            | # error operation output (SVEO)      |
| Y4S            | # leak sensor output (SVS)           |
| Z*C            | noise filter (ferrite core)          |
| Z*F (A*P)      | noise filter                         |

\* : optional # : field supply

4D127737

# 9 Wiring diagrams

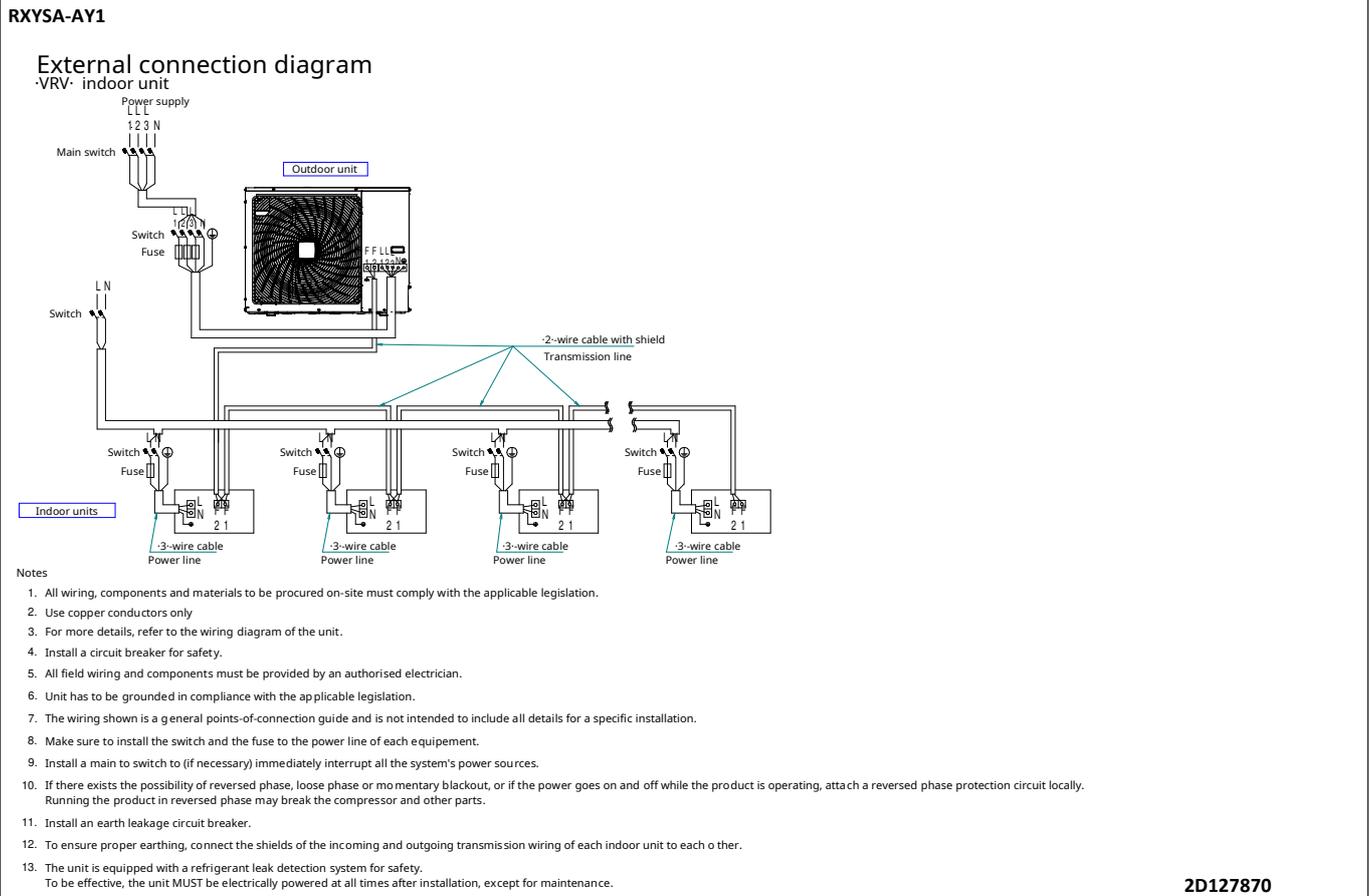
## 9 - 2 Wiring Diagrams - Three Phase



# 10 External connection diagrams

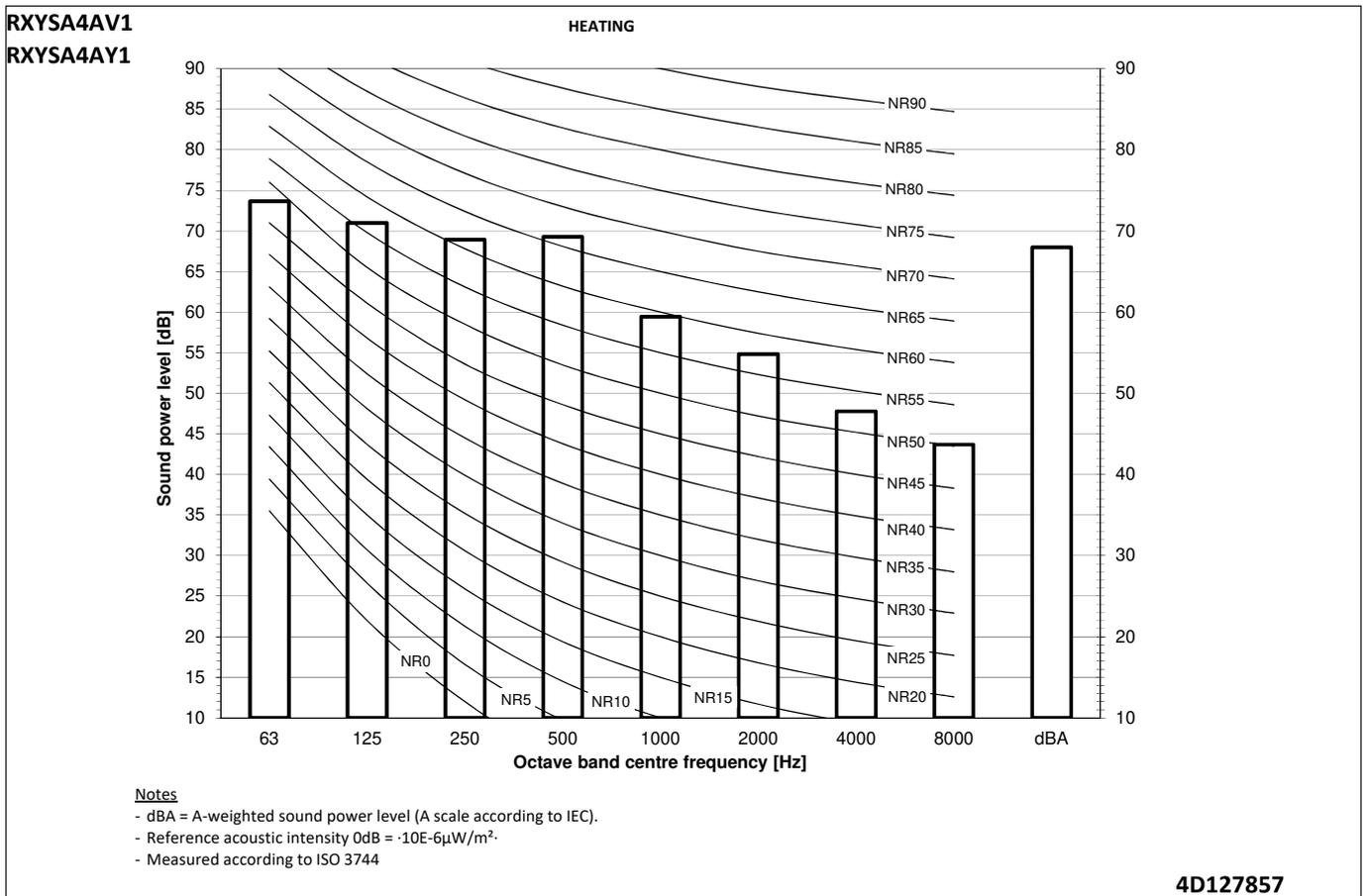
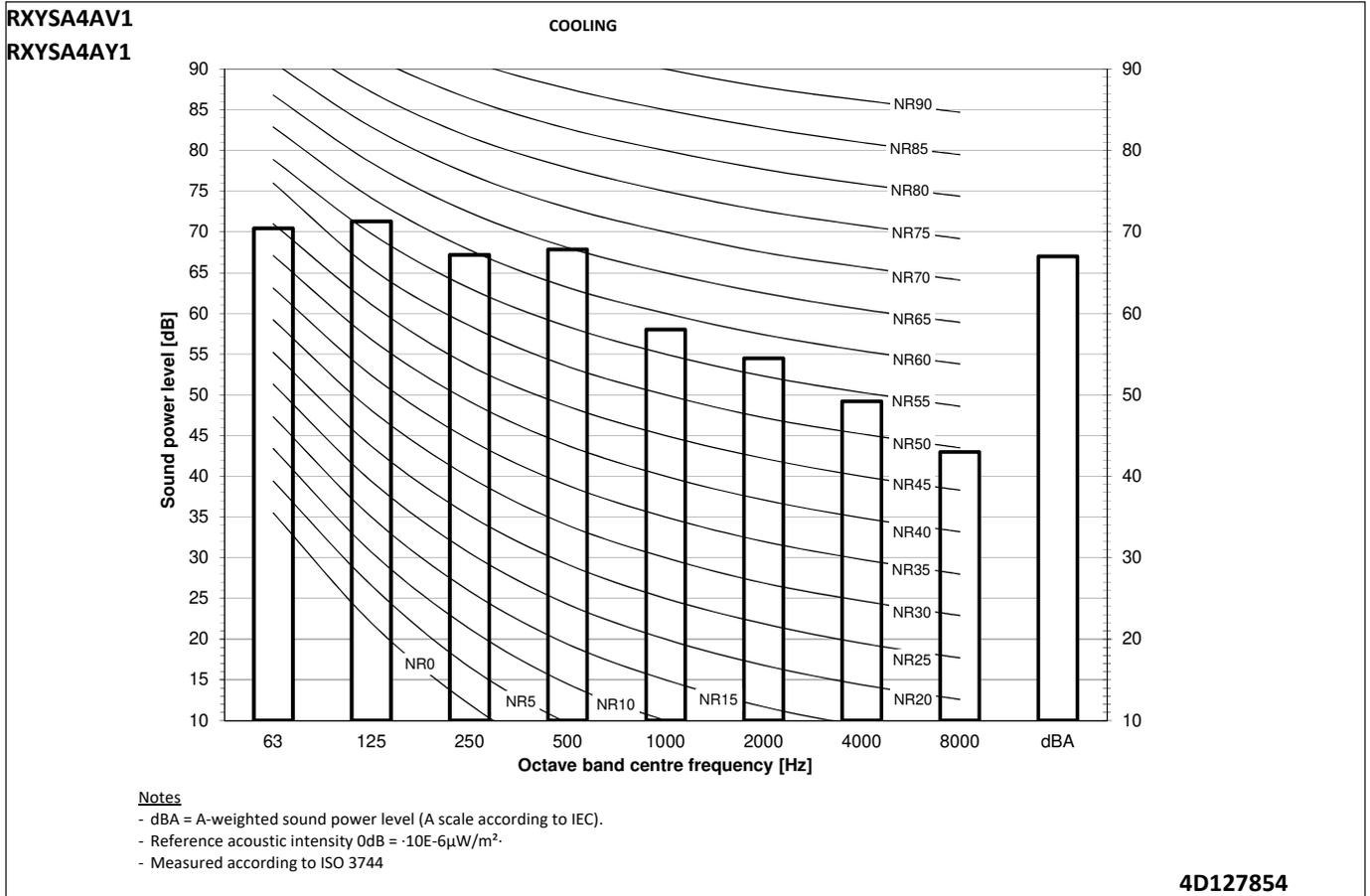
## 10 - 1 External Connection Diagrams

10



# 11 Sound data

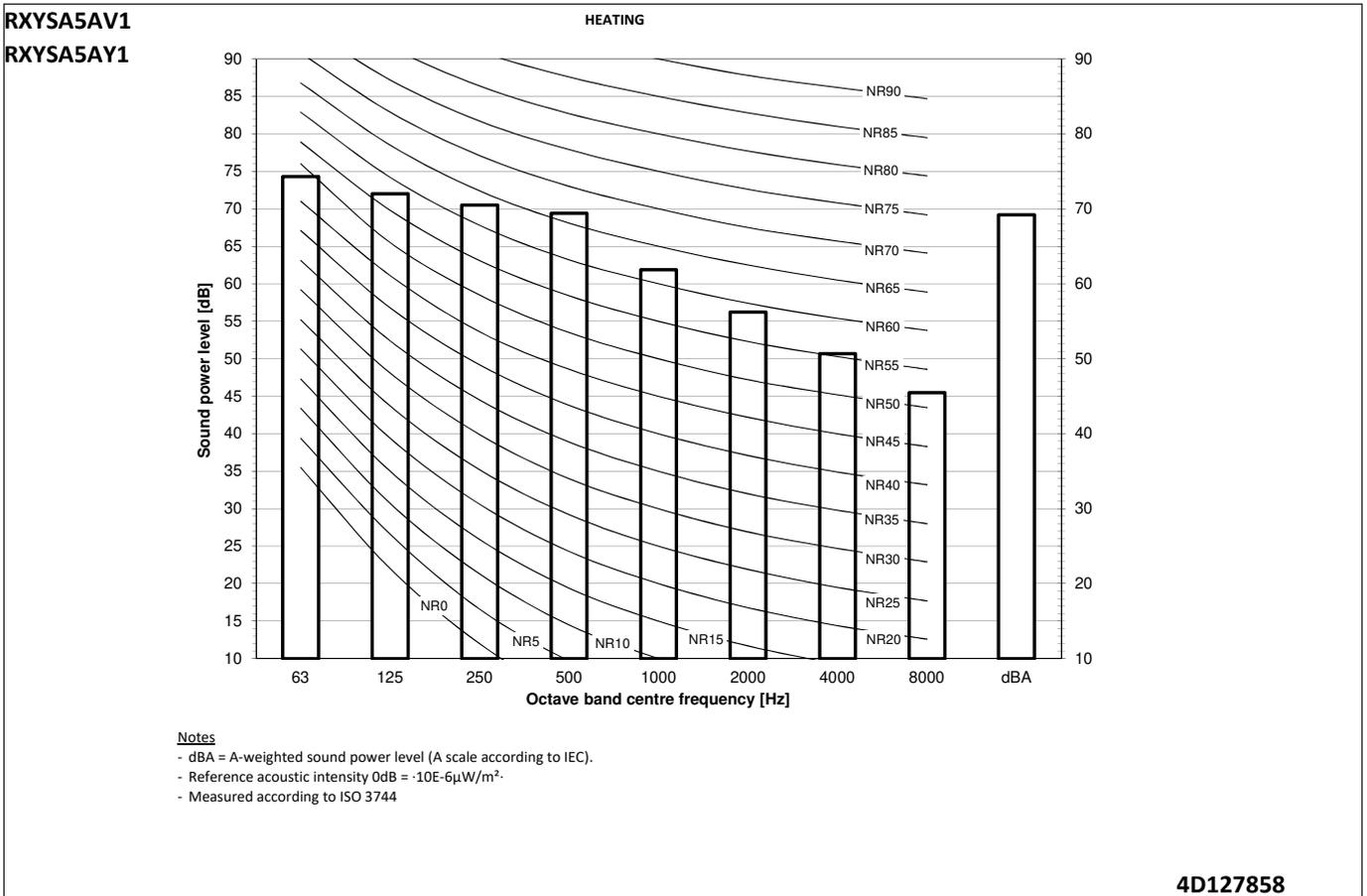
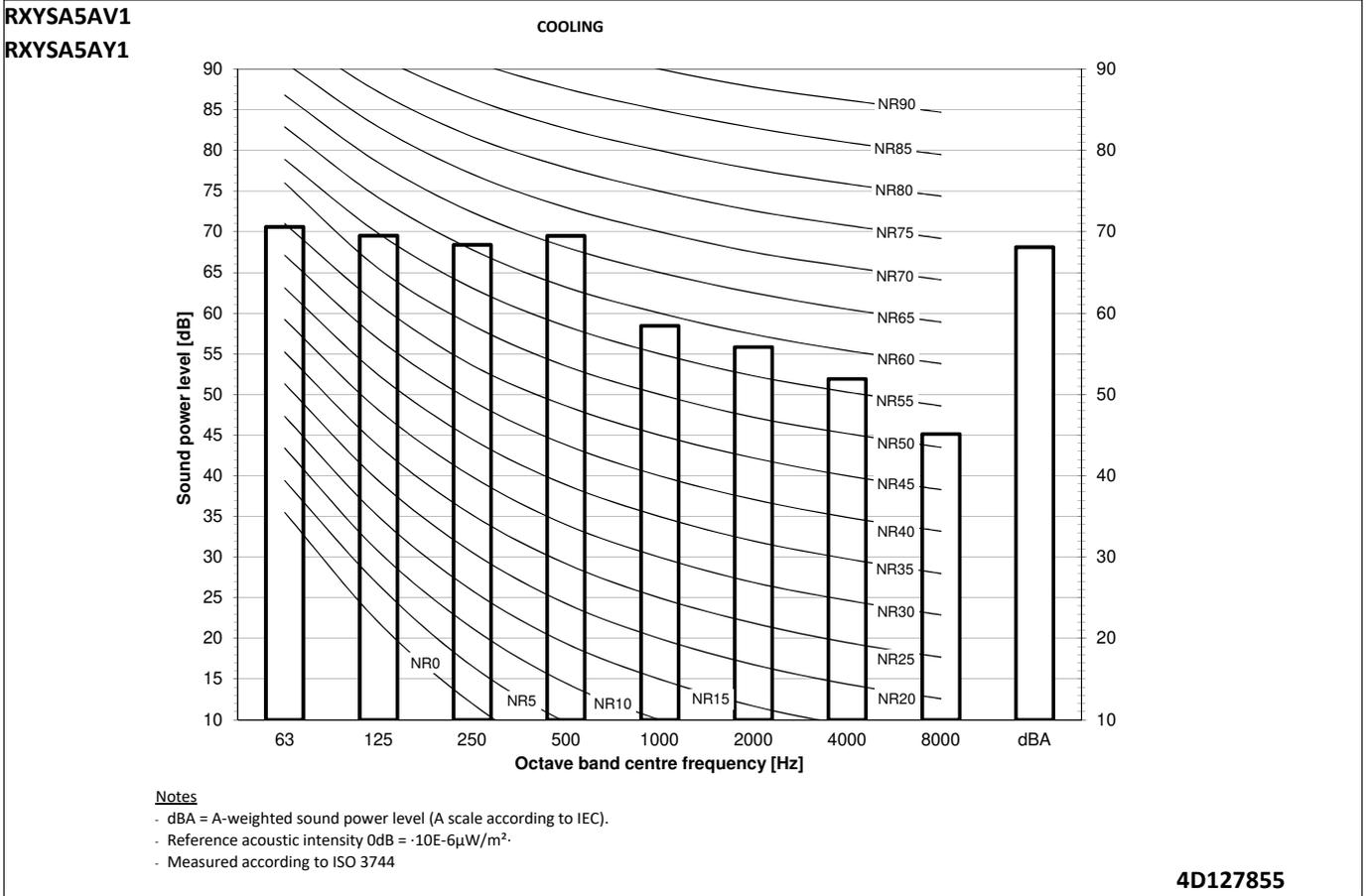
## 11 - 1 Sound Power Spectrum



# 11 Sound data

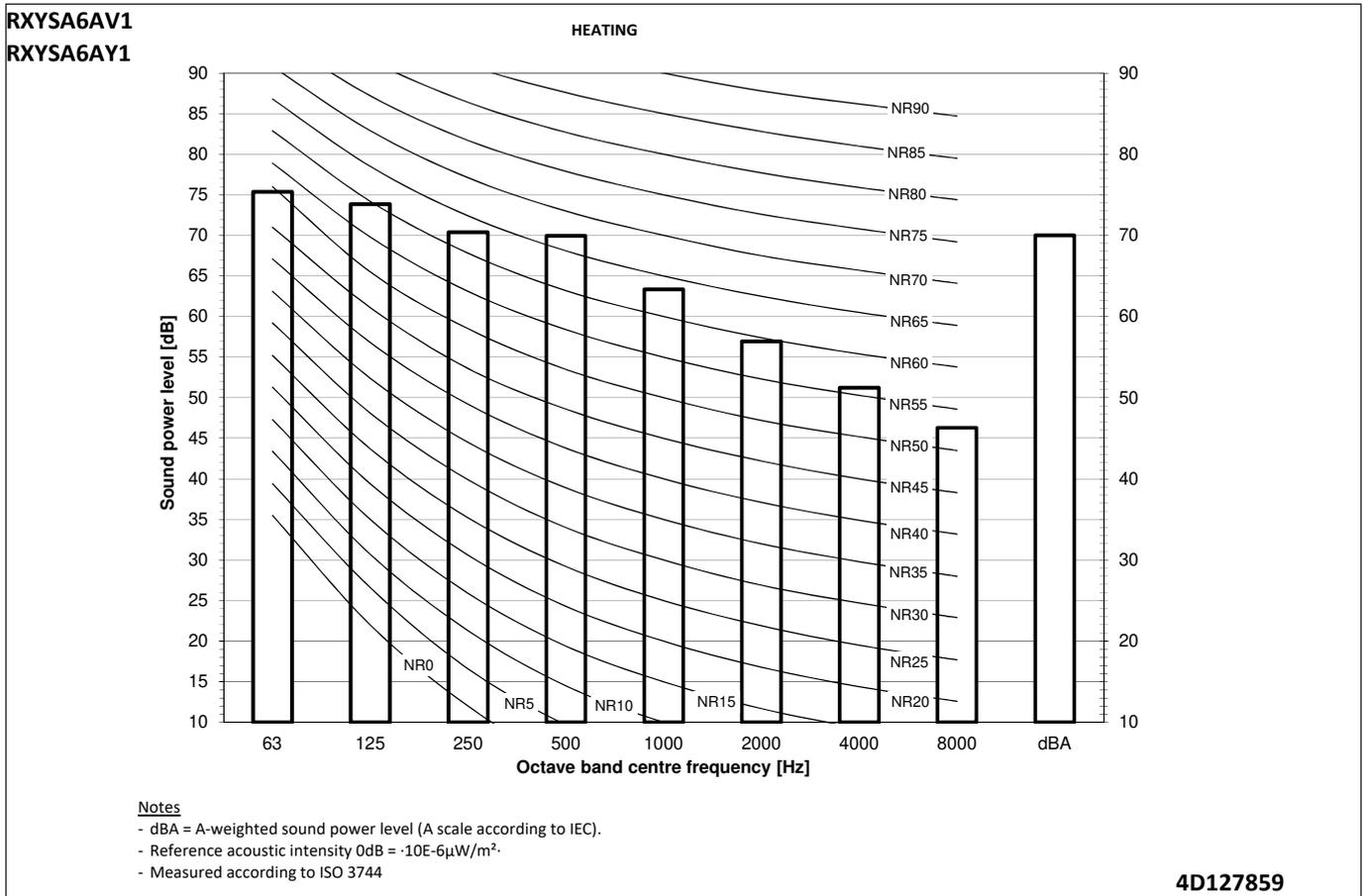
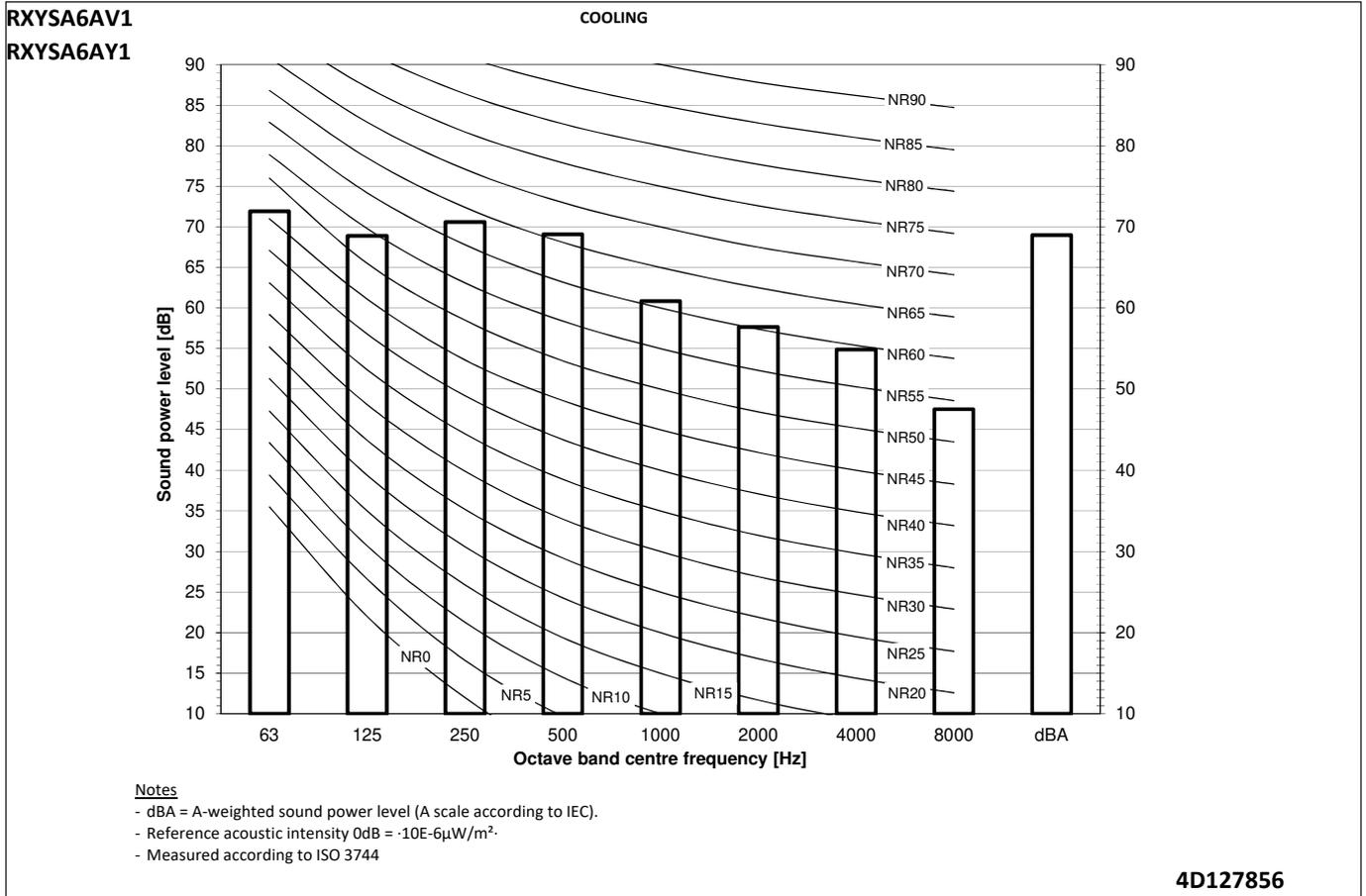
## 11 - 1 Sound Power Spectrum

11



# 11 Sound data

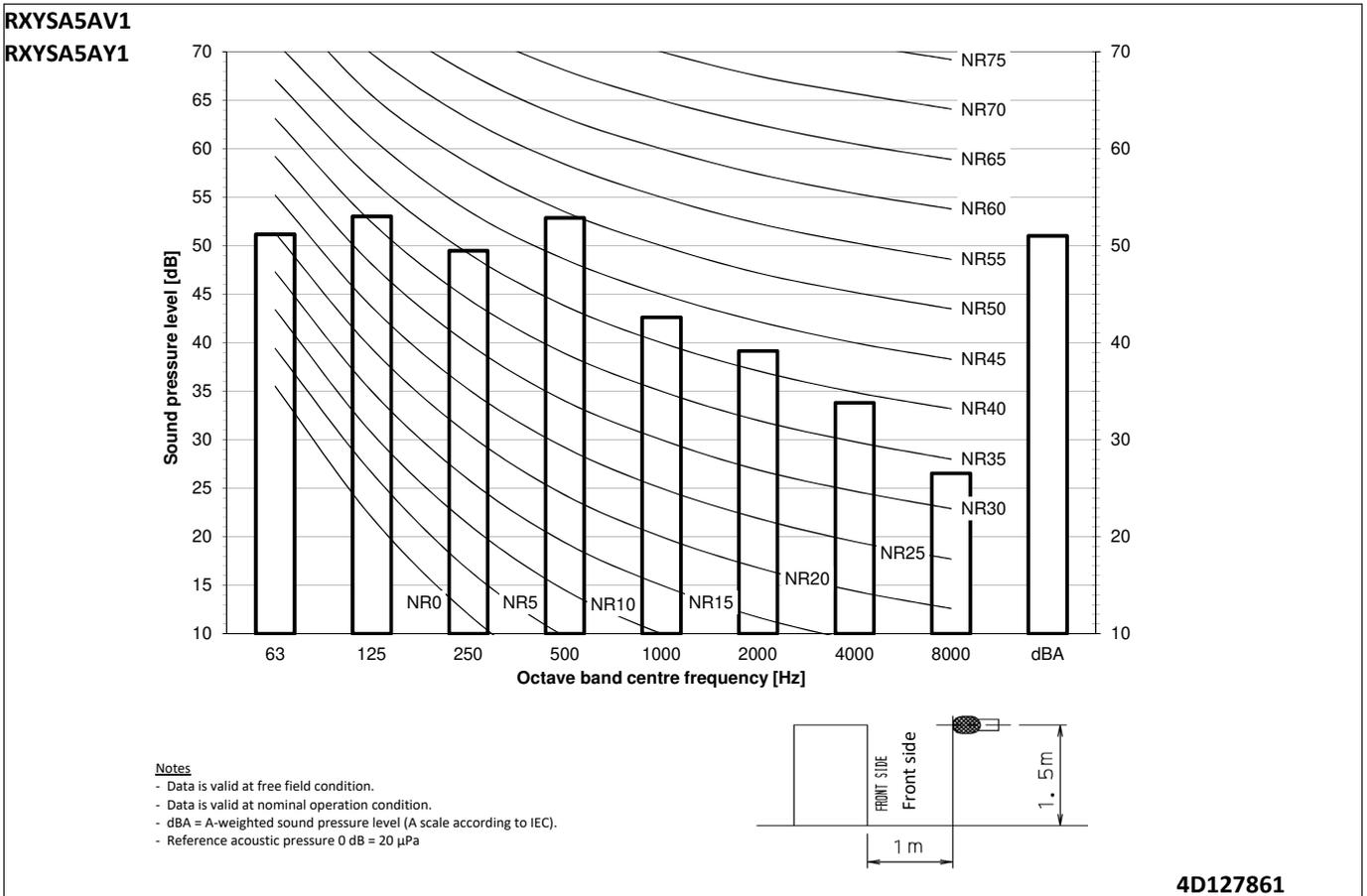
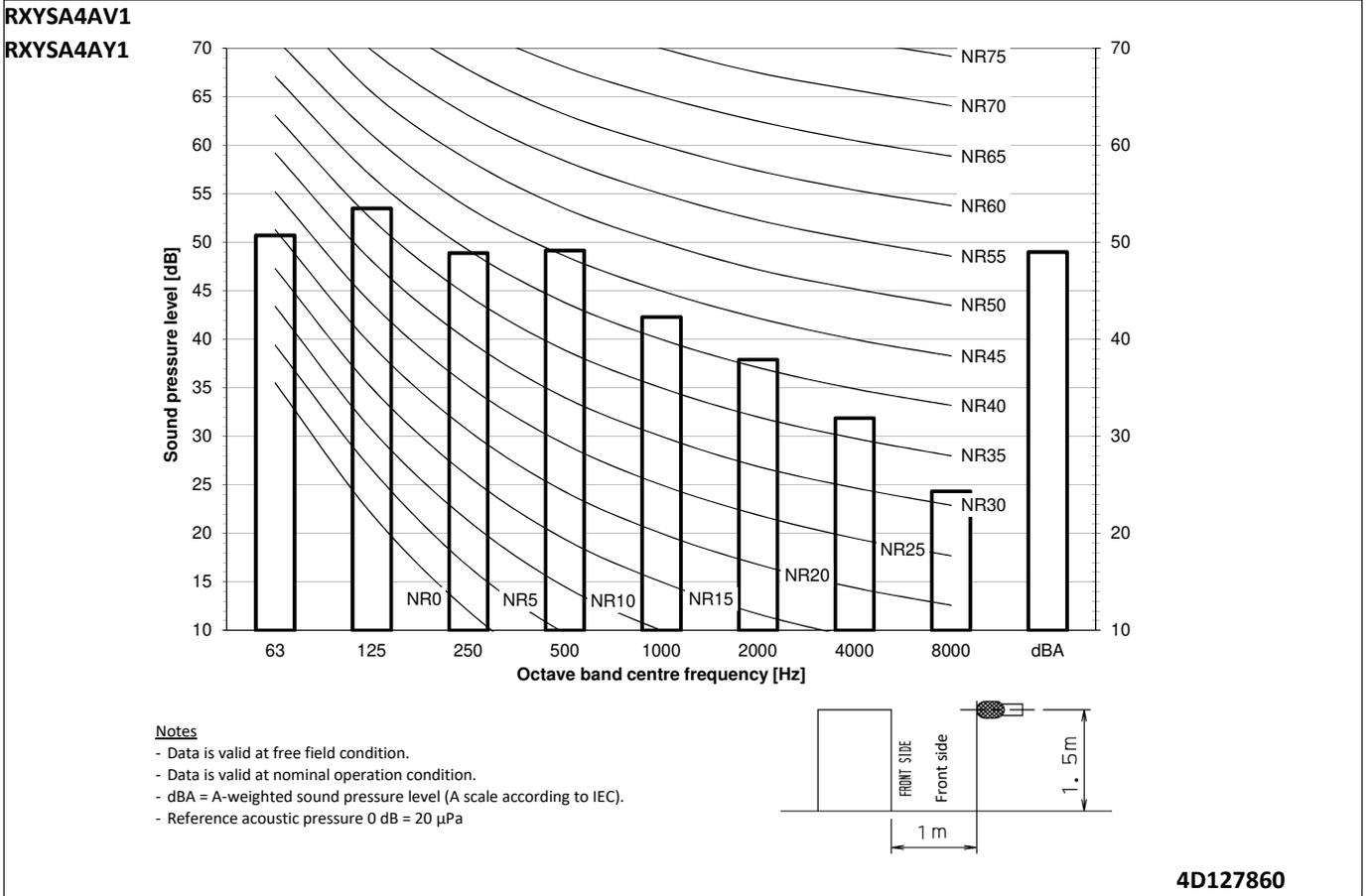
## 11 - 1 Sound Power Spectrum



# 11 Sound data

## 11 - 2 Sound Pressure Spectrum - Cooling

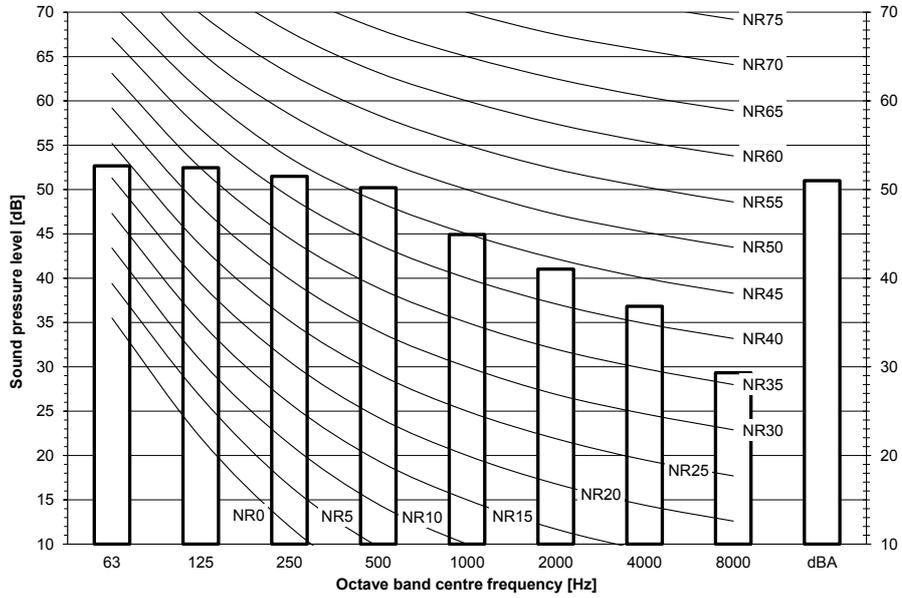
11



# 11 Sound data

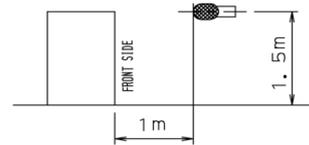
## 11 - 2 Sound Pressure Spectrum - Cooling

RXYSA6AV1  
RXYSA6AY1



**Notes**

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μPa

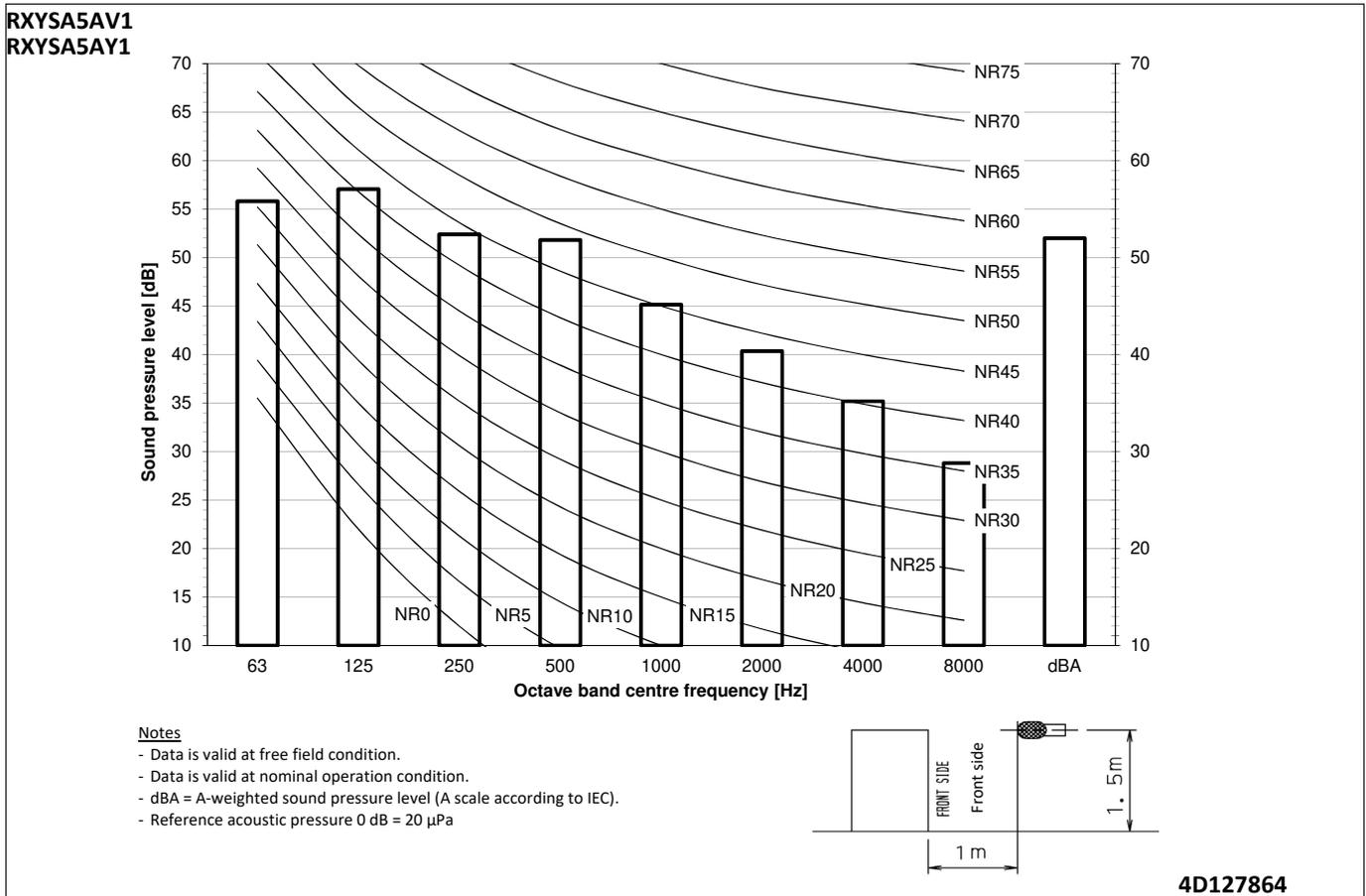
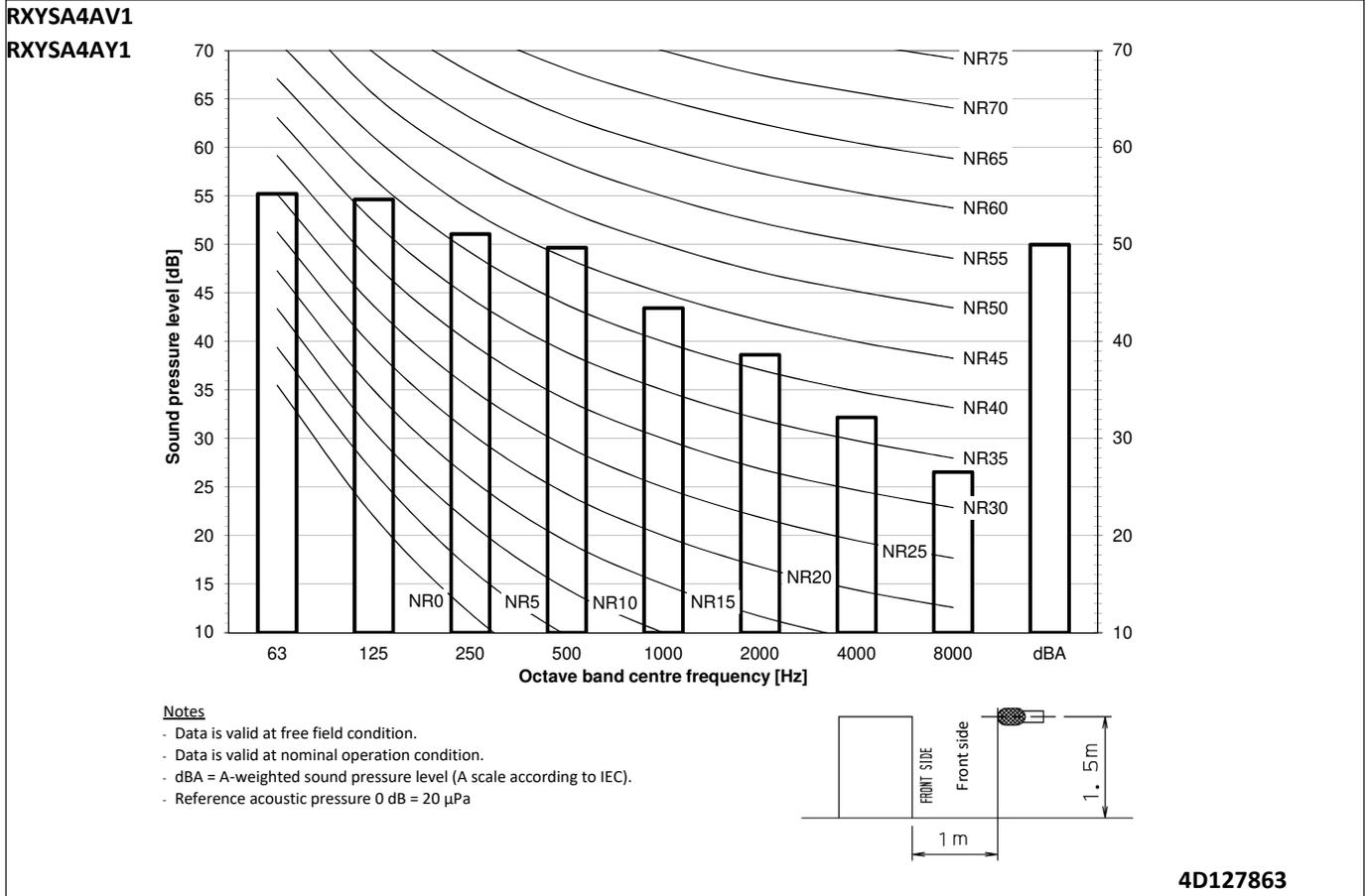


4D127862

# 11 Sound data

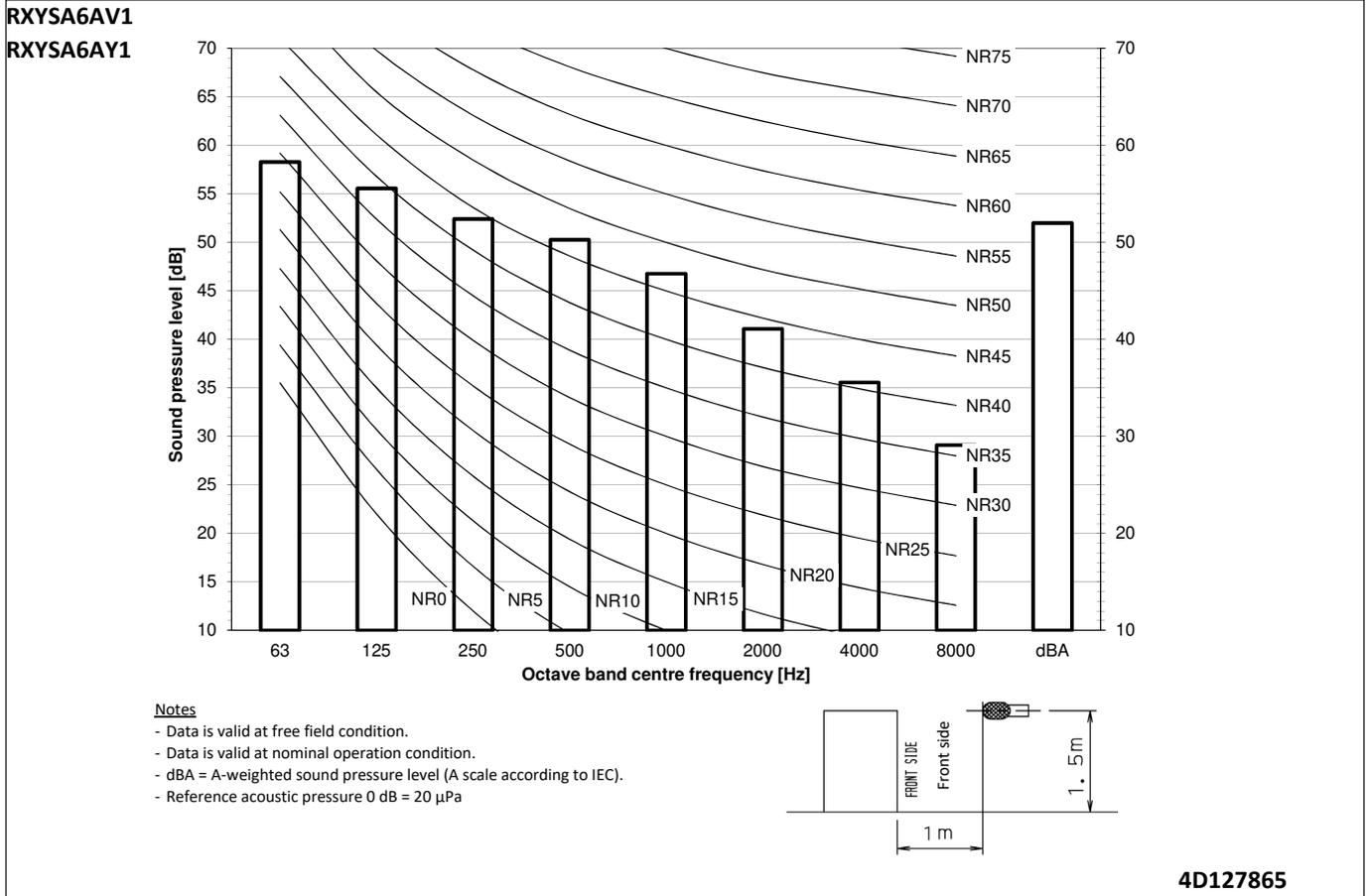
## 11 - 3 Sound Pressure Spectrum - Heating

11



# 11 Sound data

## 11 - 3 Sound Pressure Spectrum - Heating



# 11 Sound data

## 11 - 4 Sound power spectrum at high ESP

11

RXYSA-AV1  
RXYSA-AY1

### VRV5-S Heat pump High ESP

| 4HP  | Cooling           | Heating           |
|------|-------------------|-------------------|
|      | Sound power [dBA] | Sound power [dBA] |
| ESP1 | 70                | 72                |
| ESP2 | 75                | 77                |

| 6HP  | Cooling           | Heating           |
|------|-------------------|-------------------|
|      | Sound power [dBA] | Sound power [dBA] |
| ESP1 | 71                | 78                |
| ESP2 | 75                | 78                |

| 5HP  | Cooling           | Heating           |
|------|-------------------|-------------------|
|      | Sound power [dBA] | Sound power [dBA] |
| ESP1 | 71                | 76                |
| ESP2 | 75                | 77                |

Sound power is measured on a freestanding unit.  
Actual sound is depending on the installation of the duct.

4D127882

# 11 Sound data

## 11 - 5 Sound level data Quiet mode

RXYSA-AV1

RXYSA-AY1

VRV5-S Heat pump

Low noise data (level ·1-5·)

| 4HP | Cooling              |                   | Heating              |                   |
|-----|----------------------|-------------------|----------------------|-------------------|
|     | Sound pressure [dBa] | Sound power [dBA] | Sound pressure [dBa] | Sound power [dBA] |
| LN1 | 47                   | 65                | 48                   | 66                |
| LN2 | 45                   | 64                | 46                   | 64                |
| LN3 | 43                   | 62                | 44                   | 62                |
| LN4 | 41                   | 59                | 42                   | 60                |
| LN5 | 39                   | 57                | 40                   | 58                |

| 5HP | Cooling              |                   | Heating              |                   |
|-----|----------------------|-------------------|----------------------|-------------------|
|     | Sound pressure [dBa] | Sound power [dBA] | Sound pressure [dBa] | Sound power [dBA] |
| LN1 | 48                   | 66                | 51                   | 68                |
| LN2 | 46                   | 64                | 48                   | 66                |
| LN3 | 44                   | 62                | 46                   | 64                |
| LN4 | 42                   | 60                | 44                   | 62                |
| LN5 | 40                   | 58                | 42                   | 60                |

| 6HP | Cooling              |                   | Heating              |                   |
|-----|----------------------|-------------------|----------------------|-------------------|
|     | Sound pressure [dBa] | Sound power [dBA] | Sound pressure [dBa] | Sound power [dBA] |
| LN1 | 49                   | 67                | 51                   | 69                |
| LN2 | 47                   | 65                | 49                   | 67                |
| LN3 | 45                   | 63                | 47                   | 65                |
| LN4 | 43                   | 61                | 45                   | 63                |
| LN5 | 41                   | 59                | 43                   | 61                |

|     | Capacity ratio |
|-----|----------------|
| LN1 | 90%            |
| LN2 | 75%            |
| LN3 | 60%            |
| LN4 | 45%            |
| LN5 | 30%            |

LN1: Low noise level ·1·

LN2: Low noise level ·2·

LN3: Low noise level ·3·

LN4: Low noise level ·4·

LN5: Low noise level ·5·

4D127868

# 12 Installation

## 12 - 1 Installation Method

12

**RXYSA-AV1**  
**RXYSA-AY1**

Single unit (  ) | Single row of units (  )

### Suction side

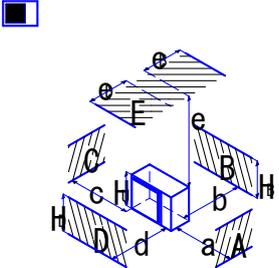
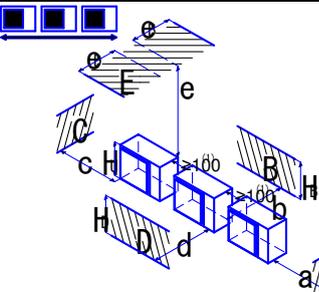
In the illustration below, the service space at the suction side is based on 35°C DB and cooling operation. Foresee more space in the following cases:

- When the suction side temperature regularly exceeds this temperature.
- When the heat load of the outdoor units is expected to regularly exceed the maximum operating capacity.

### Discharge side

Take refrigerant piping work into account when positioning the units. If your layout does not match with any of the layouts below, contact your dealer.

**Single unit (  ) | Single row of units (  )**

|   | A~E     | Hb Hd Hu  | (mm)                 |       |        |        |        |                |                |  |  |
|---|---------|-----------|----------------------|-------|--------|--------|--------|----------------|----------------|--|--|
|   |         |           | a                    | b     | c      | d      | e      | e <sub>1</sub> | e <sub>2</sub> |  |  |
|   | B       | -         |                      | ≥ 100 |        |        |        |                |                |  |  |
|   | A,B,C   | -         | ≥ 100 <sup>(1)</sup> | ≥ 100 | ≥ 100  |        |        |                |                |  |  |
|   | B,E     | -         | ≥ 100                |       |        |        | ≥ 1000 |                | ≤ 500          |  |  |
|   | A,B,C,E | -         | ≥ 150 <sup>(1)</sup> | ≥ 150 | ≥ 150  |        | ≥ 1000 |                | ≤ 500          |  |  |
|   | D       | -         |                      |       |        |        | ≥ 500  |                |                |  |  |
|   | D,E     | -         |                      |       |        |        | ≥ 500  | ≥ 1000         | ≤ 500          |  |  |
|   | B,D     | Hd>Hu     |                      | ≥ 100 |        |        | ≥ 500  |                |                |  |  |
|   |         | Hd≤Hu     |                      | ≥ 100 |        |        | ≥ 500  |                |                |  |  |
|   | B,D,E   | Hd>Hu     | Hb≤½Hu               | ≥ 250 |        |        | ≥ 750  | ≥ 1000         | ≤ 500          |  |  |
|   |         |           | ½Hu>Hb≤Hu            | ≥ 250 |        |        | ≥ 1000 | ≥ 1000         | ≤ 500          |  |  |
|   |         | Hb>Hu     |                      |       |        | ⊘      |        |                |                |  |  |
| Hd≤Hu   |         | Hd≤½Hu    | ≥ 100                |       |        | ≥ 1000 | ≥ 1000 |                | ≤ 500          |  |  |
|   |         | ½Hu<Hd≤Hu | ≥ 200                |       |        | ≥ 1000 | ≥ 1000 |                | ≤ 500          |  |  |
|   |         | Hd>Hu     |                      |       |        | ⊘      |        |                |                |  |  |
|  | A,B,C   | -         | ≥ 200 <sup>(1)</sup> | ≥ 300 | ≥ 1000 |        |        |                |                |  |  |
|   | A,B,C,E | -         | ≥ 200 <sup>(1)</sup> | ≥ 300 | ≥ 1000 |        | ≥ 1000 |                | ≤ 500          |  |  |
|   | D       | -         |                      |       |        |        | ≥ 1000 |                |                |  |  |
|   | D,E     | -         |                      |       |        |        | ≥ 1000 | ≥ 1000         | ≤ 500          |  |  |
|   | B,D     | Hd>Hu     |                      | ≥ 300 |        |        | ≥ 1000 |                |                |  |  |
|   |         | Hd≤Hu     | Hd≤½Hu               | ≥ 250 |        |        | ≥ 1500 |                |                |  |  |
|   |         |           | ½Hu<Hd≤Hu            | ≥ 300 |        |        | ≥ 1500 |                |                |  |  |
|   | B,D,E   | Hd>Hu     | Hb≤½Hu               | ≥ 300 |        |        | ≥ 1000 | ≥ 1000         | ≤ 500          |  |  |
|   |         |           | ½Hu<Hb≤Hu            | ≥ 300 |        |        | ≥ 1250 | ≥ 1000         | ≤ 500          |  |  |
|   |         |           | Hb>Hu                |       |        |        | ⊘      |                |                |  |  |
| Hd≤Hu   |         | Hd≤½Hu    | ≥ 250                |       |        | ≥ 1500 | ≥ 1000 |                | ≤ 500          |  |  |
|   |         | ½Hu<Hd≤Hu | ≥ 300                |       |        | ≥ 1500 | ≥ 1000 |                | ≤ 500          |  |  |
|   |         | Hd>Hu     |                      |       |        | ⊘      |        |                |                |  |  |

(1) For better serviceability, use a distance ≥ 250 mm

A,B,C,D Obstacles (walls/baffle plates)

E Obstacle (roof)

a,b,c,d,e Minimum service space between the unit and obstacles A, B, C, D and E

⊘<sub>B</sub> Maximum distance between the unit and the edge of obstacle B, in the direction of obstacle B

⊘<sub>D</sub> Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle D

Hu Height of the unit

Hb,Hd Height of obstacles B and D

1 Seal the bottom of the installation frame to prevent discharged air from flowing back to the suction side through the bottom of the unit.

2 Maximum two units can be installed.

⊘ Not allowed

**1D128513**

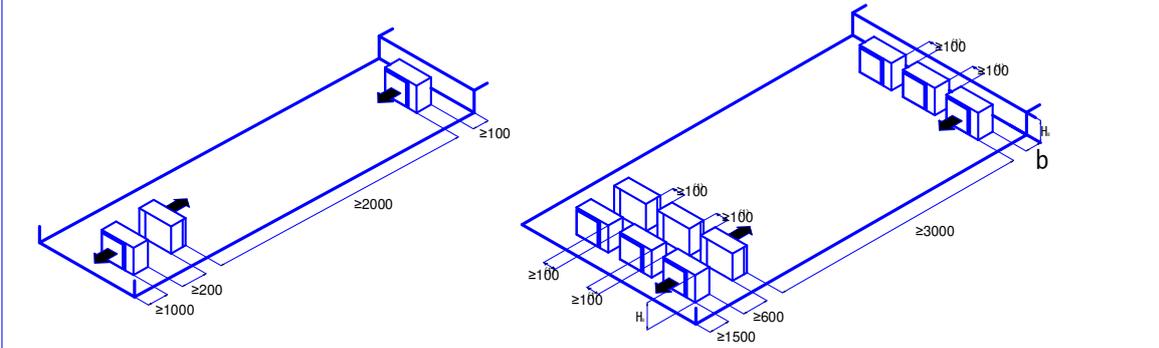
# 12 Installation

## 12 - 1 Installation Method

RXYSA-AV1  
RXYSA-AY1

Multiple rows of units (  )

Multiple rows of units (  )



| Hb Hu                        | b (mm)       |
|------------------------------|--------------|
| $Hb \leq \frac{1}{2}Hu$      | $b \geq 250$ |
| $\frac{1}{2}Hu < Hb \leq Hu$ | $b \geq 300$ |
| $Hb > Hu$                    | ⊘            |

(1) For better serviceability, use a distance  $\geq 250$  mm

⊘ Not allowed

1D128513

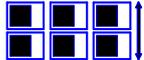
# 12 Installation

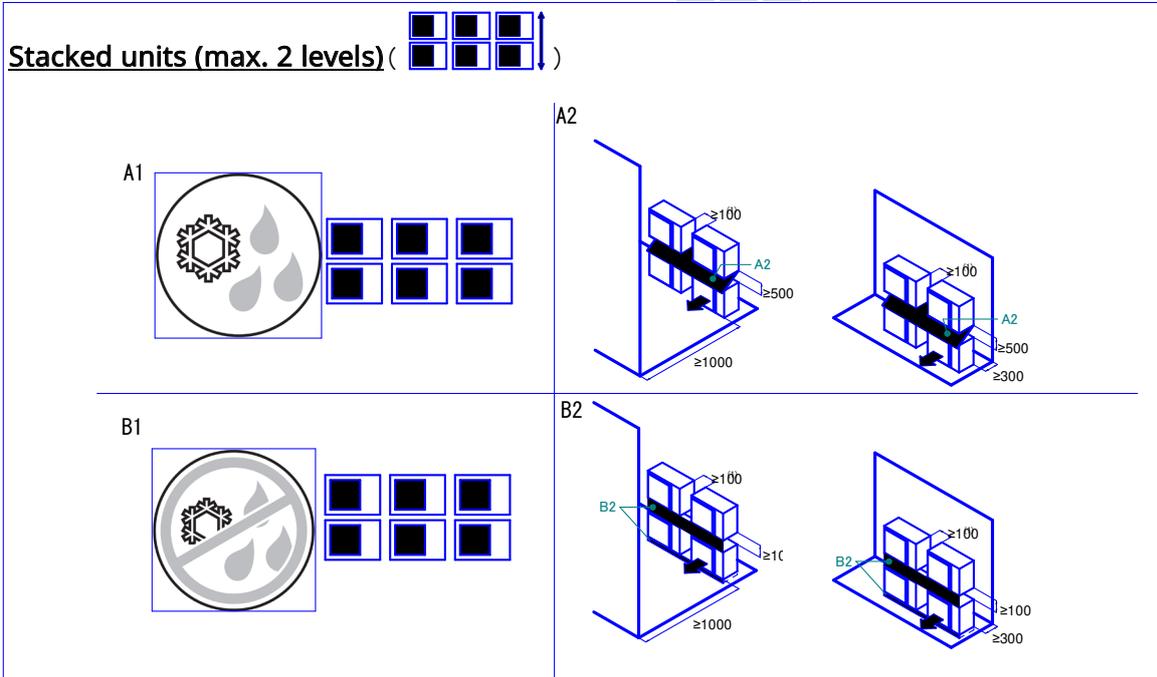
## 12 - 1 Installation Method

12

RXYSA-AV1

RXYSA-AY1

Stacked units (max. 2 levels) (  )



(1) For better serviceability, use a distance  $\geq 250$  mm

A1=>A2 (A1) If there is danger of drainage dripping and freezing between the upper and lower units...

(A2) Then install a roof between the upper and lower units. Install the upper unit high enough above the lower unit to prevent ice buildup at the upper unit's bottom plate.

B1=>B2 (B1) If there is no danger of drainage dripping and freezing between the upper and lower units...

(B2) Then it is not required to install a roof, but seal the gap between the upper and lower units to prevent discharged air from flowing back to the suction side through the bottom of the unit.

1D128513

# 12 Installation

## 12 - 2 Refrigerant Pipe Selection

RXYSA-AV1

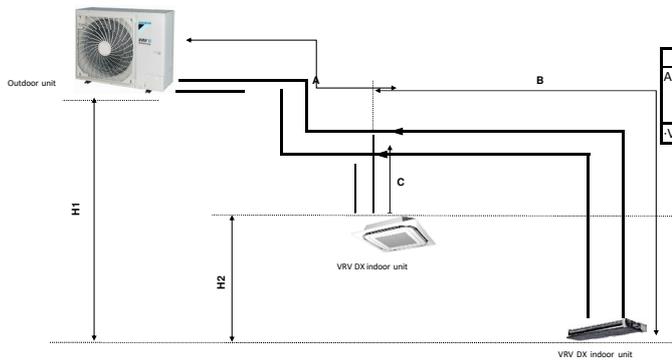
RXYSA-AY1

### VRV5-S Heat pump Piping restrictions ·1/2·

|                    |                                | Maximum piping length                                 |                                  | Maximum height difference  |                       | Total piping length |
|--------------------|--------------------------------|---|----------------------------------|--|-----------------------|---------------------|
|                    |                                | Longest pipe (A+B) Actual / (Equivalent) See note ·1· | After first branch (B, C) Actual | Indoor-to-outdoor (H1) Outdoor above indoor / (indoor above outdoor) | Indoor-to-indoor (H2) |                     |
| VRV DX indoor unit | RXYSA4~6A7V1B<br>RXYSA4~6A7Y1B | 120/(150)m  | 40m                              | 50/(40)m   | 15m                   | 300m                |

**Notes**

1. Assume equivalent piping length of refnet joint = ·0.5· m and refnet header = ·1· m (for calculation purposes of equivalent piping length, not for refrigerant charge calculations).
2. Maximum total piping length also depends on refrigerant charge limitations. See ·4D128599·.



| System pattern                | Allowed capacity   |
|-------------------------------|--------------------|
| Allowed connection ratio (CR) | VRV DX indoor unit |
| ·VRV DX· indoor units only    | 50~130%            |

**Notes**

1. Schematic indication  
Illustrations may differ from the actual appearance of the unit.
2. This is only to illustrate piping length limitations.  
Refer to combination table ·3D127866· for details about the allowed combinations.

**4D127886**

RXYSA-AV1

RXYSA-AY1

### VRV5-S Heat pump Piping restrictions ·2/2·

| System pattern                | Allowed capacity   |
|-------------------------------|--------------------|
| Allowed connection ratio (CR) | VRV DX indoor unit |
| ·VRV DX· indoor units only    | 50~130%            |

**4D127886**

# 13 Operation range

## 13 - 1 Operation Range

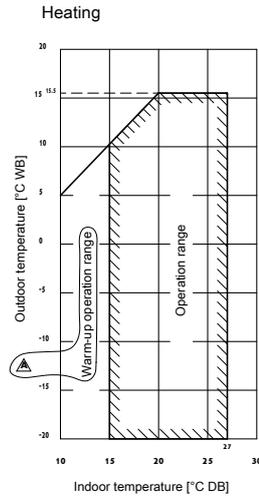
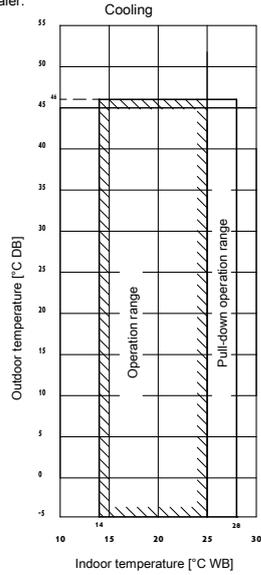
13

**RXYSA-AV1**

**RXYSA-AY1**

Notes

- These figures assume the following operation conditions  
 Indoor and outdoor units  
 Equivalent piping length: 5m  
 Level difference: 0m
- Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
- To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.
- Operation range is valid in case direct expansion indoor units are used.  
 If other indoor units are used, refer to the documentation of the respective indoor units.
- If the unit is selected to operate at ambient temperatures <-5°C for 5 days or more, with relative humidity levels >95%, it is recommended to apply a Daikin range specifically designed for such application.  
 For more information, contact your dealer.



3D094664A

# 14 Appropriate Indoors

## 14 - 1 Appropriate Indoors

RXYSA-AV1

RXYSA-AY1

### Recommended indoor units for ·RXYSA\*A\*· outdoor units

| · HP | 4                    | 5        | 6                    |
|------|----------------------|----------|----------------------|
|      | 3xFXSA25<br>1xFXSA32 | 4xFXSA32 | 2xFXSA32<br>2xFXSA40 |

For details about the allowed combinations, see the engineering databook.

### Appropriate indoor units for ·RXYSA\*A\*· outdoor units

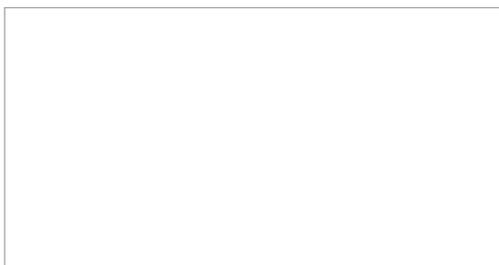
#### Covered by ·ENER LOT21·

- FXFA20-25-32-40-50-63-80-100-125
- FXZA15-20-25-32-40-50
- FXDA10-15-20-25-32-40-50-63
- FXSA15-20-25-32-40-50-63-80-100-125-140
- FXAA15-20-25-32-40-50-63

4D127887

---

**Daikin Europe N.V.** Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · [www.daikin.eu](http://www.daikin.eu) · BE 0412 120 336 · RPR Oostende (Responsible Editor)



Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Fan Coil Units and Variable Refrigerant Flow systems. Check ongoing validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com)

EEEN20

05/2020



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.