

SAMSUNG



Product Catalogue 2017  
**Air Conditioning**

## **News 2017**

6

## **Technology**

10

### **● RAC - Room Air Conditioner**

LINE-UP

26

### **● FJM - Free Joint Multi**

LINE-UP

60

### **● FLOOR-STANDING**

LINE-UP

82

### **● CAC - Commercial Air Conditioner**

LINE-UP

94

### **● EHS - Eco Heating System**

EHS TDM

172

EHS SPLIT

176

EHS MONO

177

### **● DVM - Digital Variable Multi**

TECHNOLOGY

182

LINE-UP

184

CHILLER

194

### **● ERV - Energy Recovery Ventilation**

TECHNOLOGY

200

ERV

201

### **● CONTROL SYSTEMS AND ACCESSORIES**

CONTROL SYSTEMS

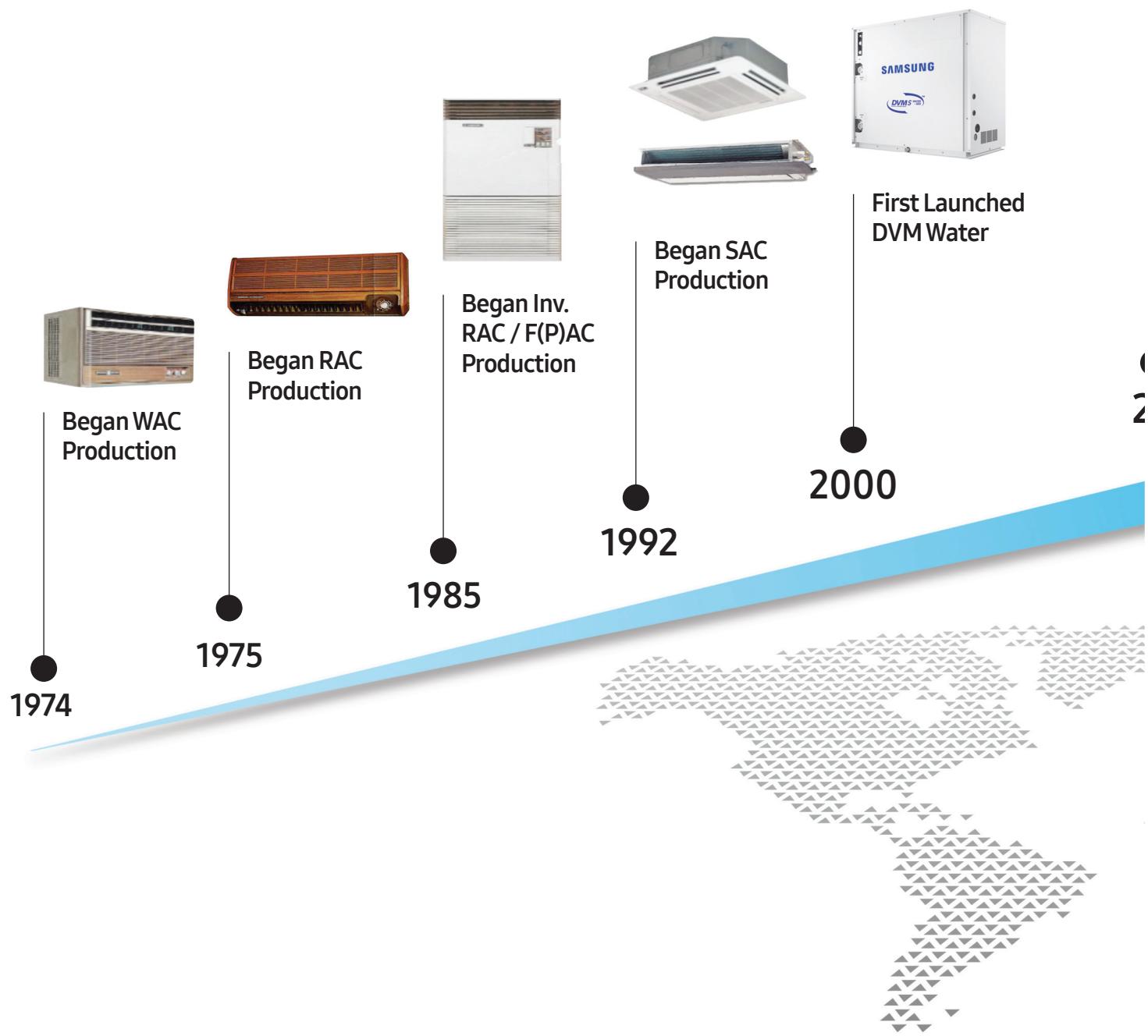
204

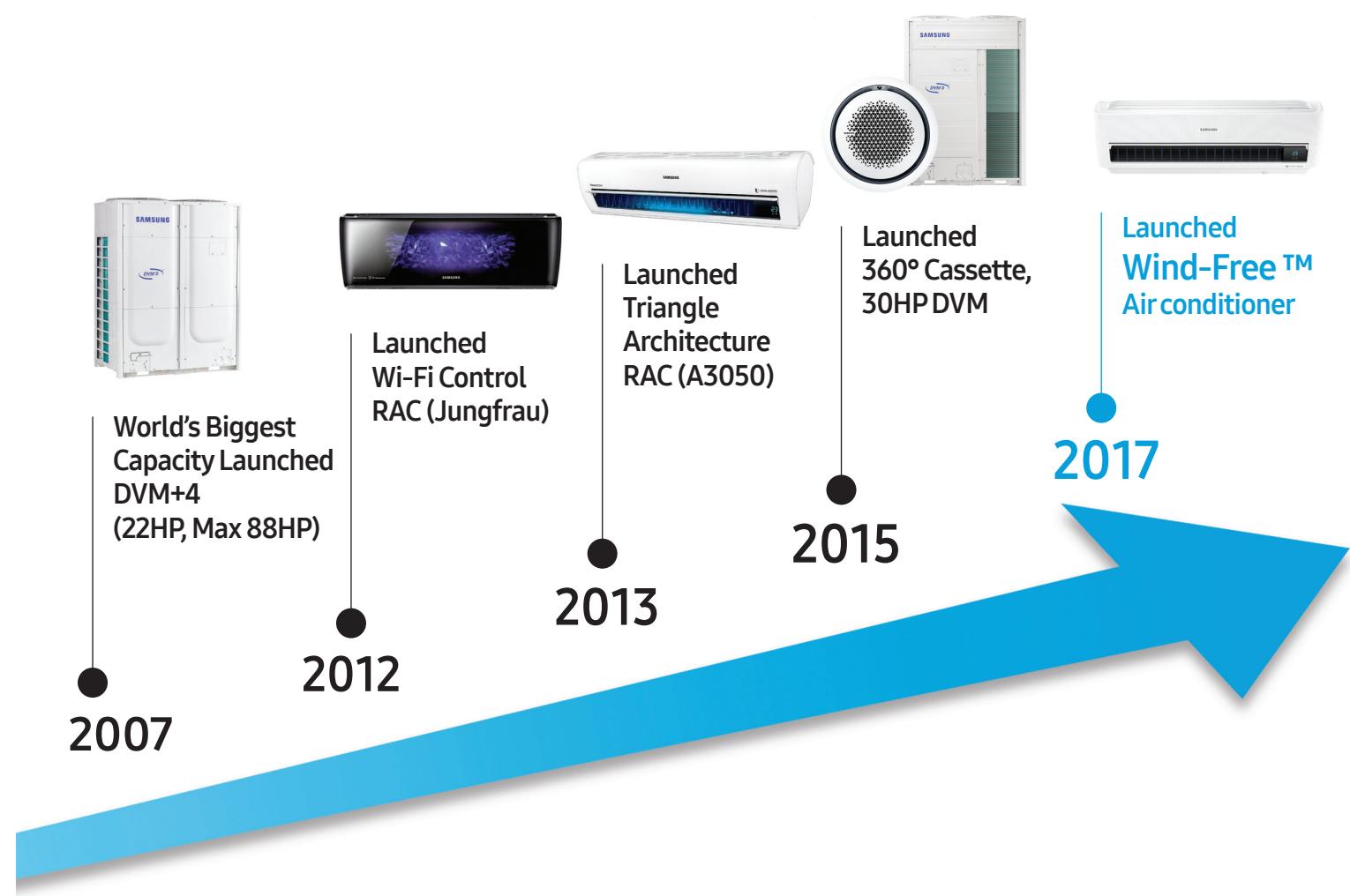
ACCESSORIES

208

# SAMSUNG AIR CONDITIONER HISTORY

For over 40 years, Samsung has been manufacturing air conditioners and continuously providing innovative technologies.





# SAMSUNG AIR CONDITIONERS HAVE RECEIVED WORLDWIDE RECOGNITION

Samsung air conditioners are recognized as world-leading products, having won various global awards with their stunning design and advanced performance.

CES Innovation  
Awards 2015



The CES Award is given to products submitted to CES based on product design and technological innovation. The award is jointly evaluated by the US industrial design association and USA CEA(Consumer Electronics Association). The Samsung air conditioner A3050 (AR5500) received the award in the category of "Eco-design and Sustainable Technologies" during the 2015 CES.

Efficiency & Innovation  
2016



Organized by Fiera Milano International, 40th Mostra Convegno Expocomfort/Expobagno 2016 aimed to reward the best product that shows a high level of energy efficiency and innovation, providing a complete overview of the sector along the lines of "Efficiency & Innovation Path". And the Samsung Digital Inverter 8-Pole have been recognized in MCE's "Beyond Class A" initiative for product excellence.

iF Product Design  
Awards 2016



As one of the world's oldest and most prestigious design competitions, the iF product design award has stood for qualitatively outstanding design awards for over 50 years. And the Samsung air conditioner, with its design innovations, was selected as a finalist in 2016. Samsung air conditioner continues to receive worldwide recognition and awards, proving the high quality of its functions and beauty.

International Design  
Excellence Awards 2016



Started in 1980 by The Industrial Designers Society of America (IDSA), the International Design Excellence Awards (IDEA) fosters business and public understanding about the impact of design excellence on the quality of life and the economy. The IDEA program is considered the preeminent design competition with entries from over 39 countries. The Samsung air conditioner advanced to the finals in 2016.



# Wind-Free™

The climate as you like it

THE ONLY ONE WITH  
21,000 MICRO-HOLES  
TO SPREAD JUST  
PLEASANT AIR



Once the air reaches the set temperature, it is spread in the room through 21,000 micro-holes placed on the front of the air conditioner. Freshness finally becomes comfortable.



## BYE-BYE CHILLED BLASTS OF AIR

"The Wind-Free™ air diffusion system is ideal to face the hottest days without exposing the health of my children to undue risks."

**Stephanie**





SAMSUNG

DIGITAL INVERTER TECHNOLOGY



## PEACEFUL SLEEP AND AWAKENING WITHOUT CHILLS

"With Wind-Free™ I sleep calm and wake up rested. I can fall asleep with the right temperature without waking up in the middle of the night with chills."

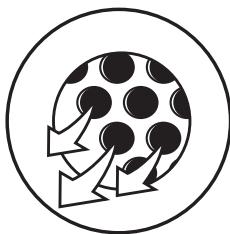
**Andrew**

## NEVER AGAIN NEED TO WEAR A SWEATER IN SUMMER

"Thanks to Wind-Free™, I do not have to cover myself some minutes after my husband switched on the air conditioner."

**Marlene**



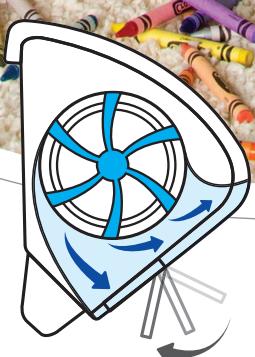


WIND-FREE™



## THE FRESHNESS YOU DESIRE WITHOUT DISCOMFORT

The new Wind-Free™ air distribution system is the only one that transforms the power and direct air flow, that often causes muscle pains and colds, into a gentle embracing breeze. Wind-Free™ is ideal to keep the desired temperature by avoiding classical inconvenient linked to the air conditioning usage.



**PHASE 1**

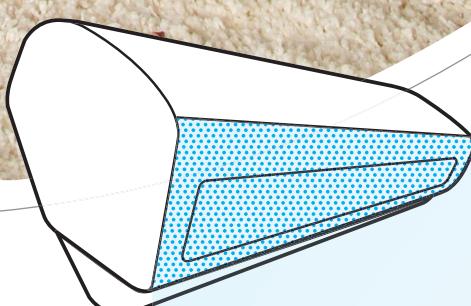
QUICKLY REACHES THE SET TEMPERATURE THANKS TO TRIANGLE DESIGN™

Once you have selected the temperature, the air conditioner automatically sets the maximum power and uses the big central opening to quickly reach the set temperature.

**PHASE 2**

MAINTAIN THE TEMPERATURE THANKS TO THE WINDFREE COMFORT

Once the set temperature is reached, the air conditioner reduces the power, closes the central distribution opening and uses the 21,000 micro holes on the front of the chassis to distribute fresh air in a uniform way.



# ENERGY EFFICIENCY

SAMSUNG

23

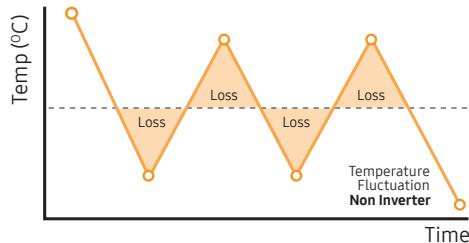
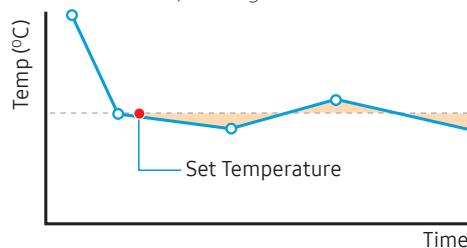
DIGITAL INVERTER



The Digital Inverter compressor is reliable and lasts longer. The 10-year warranty shows it.

## WHAT IS DIGITAL INVERTER?

The Samsung Digital Inverter compressor can keep the desired temperature without continuously switching on and off and this results in a more silent, lasting and efficient device.



### DIGITAL INVERTER

The compressor automatically adjusts the power to keep the temperature constant and to ensure an optimal comfort.

### NON INVERTER

The compressor stops and starts continuously. Temperature fluctuates around the desired temperature and comfort isn't optimal.

10

\*Tested on model AR09HSSDAWK compared to the traditional Samsung model AQ09T5B.

The warranty policy may vary according to the model and the region.



# SAVE MONEY WITH THE DIGITAL INVERTER COMPRESSOR

Against an initial investment slightly higher than the one to be made to purchase a traditional compressor, the Digital Inverter compressor enables a relevant usage cost saving. A winning choice since the beginning.

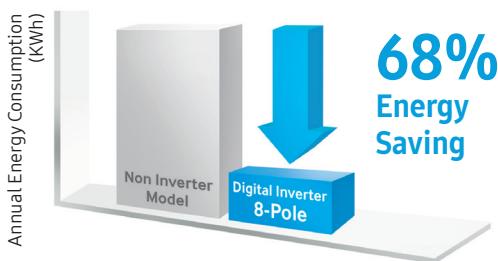


Based on AR12HVSPBSN compared to the Samsung traditional model AR12HCSUAWQ. It may vary according to the region and to the electricity price system.

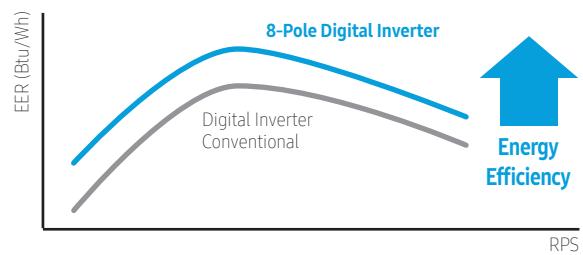
## EFFICIENT, SILENT AND LASTING

The 2017 8-pole Digital Inverter compressor consumes only 32% of the energy used by the traditional models and it is more silent and lasting.

The 2017 8-pole Digital Inverter compressor has an EER index higher than those of the traditional models.



\*tested on AR09HSSDAWK compared to Samsung AR09HCFSTWK traditional model.



\*tested on UG9AJ509FER compared to Samsung UG9A090FUAER traditional model.

## ENERGY SAVING

In Wind-Free™ mode the compressor operates at the minimum Hz level to keep the desired temperature; in this mode the air conditioner consumes 72% less energy than in Fast Cooling mode.



\* Tested on AR07M517CHA. Based on the energy consumption in Fast Cooling mode vs. WindFree mode. When it is compared to a standard cooling mode, the WindFree mode consumes 99% less energy.

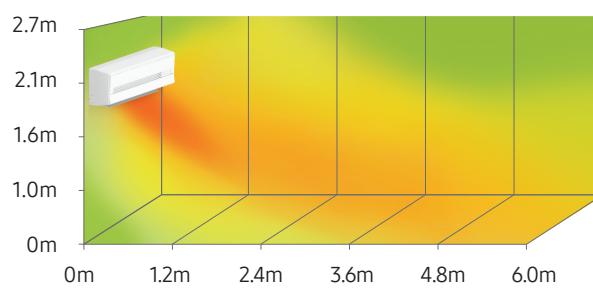
# HEATING



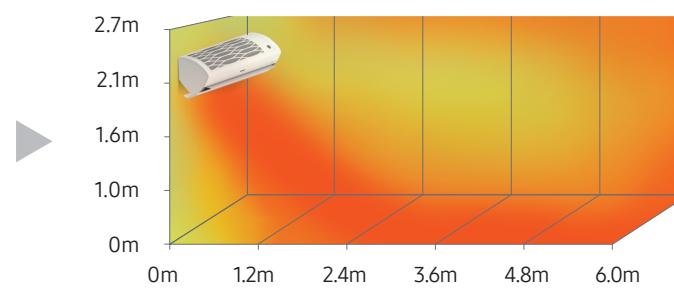
## EXCELLENT HEATING PERFORMANCE EVEN IN WINTER

The outdoor unit is equipped with a basic heater that enables to work also with ambient temperatures well below zero. This allows the air conditioner to operate in heating mode even with winter outdoor temperatures.

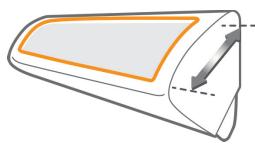
### COMPARISON OF THE EFFICIENCY IN HEATING MODE\*\*



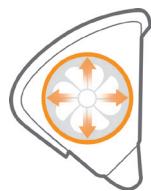
CONVENTIONAL



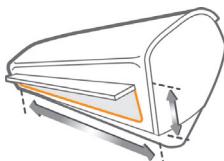
SAMSUNG TRIANGLE



MORE INCOMING AIR



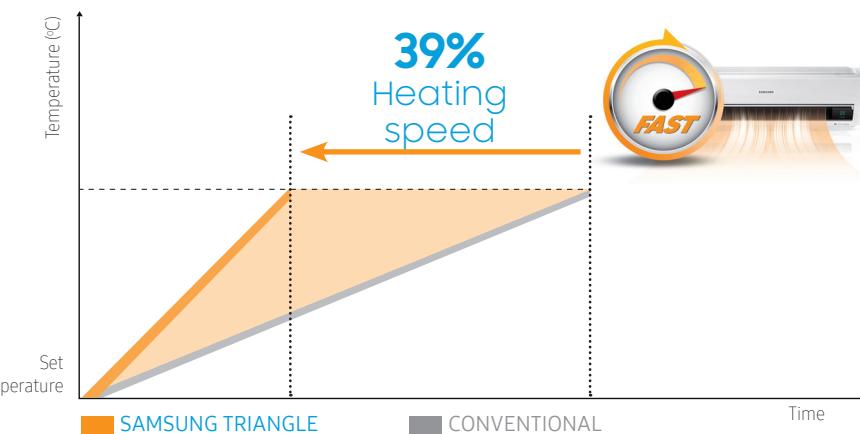
INCREASED AIR FLOW



MORE OUTGOING AIR

## IT HEATS MORE QUICKLY

Thanks to the Triangle Design technology, Samsung air conditioners reach the desired temperatures more quickly compared to the traditional mode even in heating mode.



\*tested on AR09KSWDHWK compared to Samsung AQV09TWS traditional model.



# SMART FUNCTIONS



## SMART CONTROL

### SAMSUNG AIR CONDITIONERS CAN BE CONTROLLED BY MEANS OF AN APP

With Samsung Smart Home it is possible to interact with the Samsung air conditioners whenever you want, even when you are not at home. Simply download the free application to your Smartphone that enables to check consumptions, limit the operating time, check if the filter is clean, plan the operation during the week, recall your favourite parameters and promptly troubleshoot faults.

#### CONSUMPTION CONTROL\*

It enables you to display and limit the usage time and the energy consumption.

\*Only for Monosplit models.

#### SMART CHECK

The Self-diagnosis function quickly solves the most common troubles. In case of fault it sends an SMS to the Smartphone by indicating the error code which facilitates the intervention of the technician.



Download the App  
and join the house of  
the future.

#### MY WIND

It enables to save the favourite air conditioning parameters and to recall them by simply pressing a pushbutton.

#### WEEKLY SCHEDULE SETTINGS

It sets the switching on times, the operation type, and the switching off times for every day of the week.

#### FILTER CLEANING

It monitors the usage time and the filter status, and it informs you when it is time to replace it.



## 8-POLE INVERTER IMMEDIATE FRESH AIR WITH LESS ENERGY CONSUMPTIONS AND NO NOISE

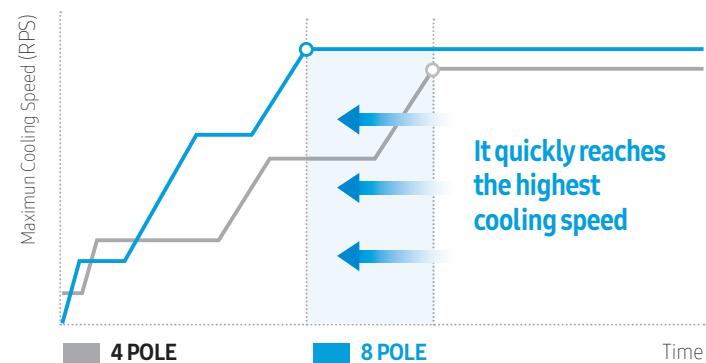


Samsung air conditioners are the first in the world that use a 8-Pole motor instead of a 4-Pole one to reduce the torque converter fluctuations in the compressor of the outdoor unit. This ensures a more efficient and effective operation\* of the Samsung air conditioners with less vibrations and noises.

### POWERboost™

#### IT IMMEDIATELY REACHES THE SET TEMPERATURE

The POWERboost™ technology significantly reduces the time required by the compressor to reach the highest Hz necessary to start working\*\*. In this way, it is possible to enjoy cool air sooner!



\* Based on internal tests carried out on compressor engines of the Samsung air conditioners and on the well-known air conditioners on the global market in October 2015.

\*\* Tested on the AR12KSWDHWK model compared to the traditional Samsung AR12FSSSBWK model.

THANKS TO THE 8-POLE ENGINE,  
SAMSUNG AIR CONDITIONERS  
QUICKLY COOL ANY ROOM AND  
SAVE ENERGY.



# AIR PURIFICATION



ONCE YOU SWITCH OFF THE AIR CONDITIONER, A FAN IN THE INDOOR UNIT IS ACTIVATED AND ELIMINATES THE RESIDUAL CONDENSATION.

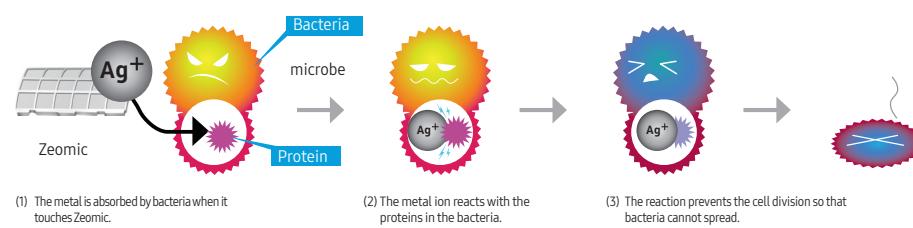


EASY FILTER

**IT FILTERS CONTAMINANTS AND ALLERGENS PRESENT IN THE AIR**

Samsung air conditioners are equipped with an upper mesh filter which keeps air fresh and clean within the unit. It covers 100% of the air coming in the holes and it is covered by a unique anti-bacterial and anti-virus material.

## ANTIMICROBIAL FUNCTION



\* Tested on TG07 ZEOMIC comparator with TG07. Tested by FITI for *Staphylococcus aureus*, *Klebsiella pneumoniae* and *Aspergillus niger*. Tested by the Japan Food Research Laboratories for H5N1.

\*\* Tested by the Institute of Tokyo Environmental Allergy for Cry J1, Derf1.

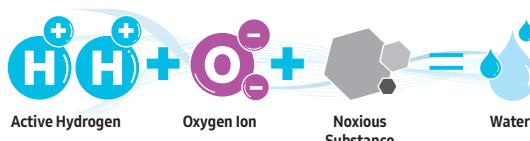
\*\* The filter name may vary according to the model and the region. (Easy filter, Easy filter Plus, 3 Care filter)



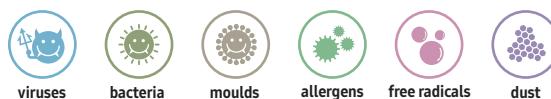
## VIRUS DOCTOR PURE AND HEALTHIER AIR

Thanks to the Virus Doctor device, Samsung air conditioners become precious allies of health, and help to prevent and counter the most common allergies and respiratory problems.

### HOW IT WORKS:



### EFFECTIVE AGAINST:

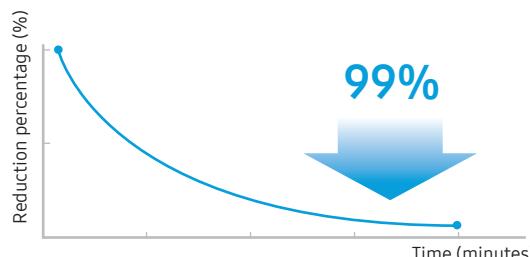


The device generates electrons ( $e^-$ ) and hydrogen ions ( $H^+$ ). Electrons link to the hydrogen ions and to the oxygen in the air and generates active hydrogen atoms and oxygen ions ( $O_2^-$ ) respectively. The active hydrogen atoms and the oxygen ions adhere to the surface of the harmful particle, decompose it and neutralize it by transforming it into water vapour that spreads in the room.

Virus doctor reduces up to 99% some harmful viruses, bacteria, moulds and allergens in the air.

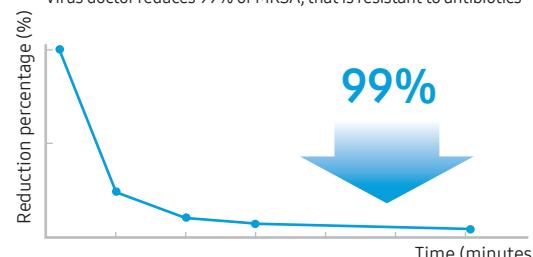
\* Based on SPI device, Tested at the Kitasato Environmental Science Center (Japan) & Chungnam National University (Korea)  
Data is assessed under special test conditions and might vary according to environmental factors (room dimensions: 500cc-1m<sup>3</sup>, only devices, assessment time 60-300min)

### SUBTYPE INFLUENZA H1N1 - INACTIVATION TEST



### MRSA (ANTIBIOTIC-RESISTANT BACTERIA)

Virus doctor reduces 99% of MRSA, that is resistant to antibiotics



\* Research carried out by: Professor Seo Seng-hui at the Chungnam National University (He developed the first vaccine H1N1 for the human body in the world)  
\* Tested sample: only devices \* room dimension: 500cc  
\* Subtype A H1N1, A/California/04/09

\* Test carried out by the Kitsato Environmental Science Center  
\* Assessment time: 2 hours \* tested sample: only device \* room dimension \*:1m<sup>2</sup>  
\* MRSA(Staphylococcus aureus ATCC 33591)

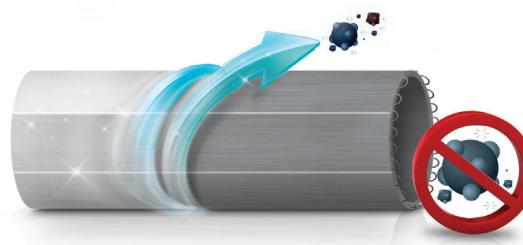


## AUTO CLEAN SAMSUNG AIR CONDITIONERS ARE SELF-CLEANING

The practical functionality, that is automatically started when the air conditioner is switched off, removes the residual humidity due to the standard operation from the indoor unit. An essential ally for those who want the maximum hygiene and want to avoid moulds, bacteria and bad smells proliferating in the house.

### MORE HEALTH

The Auto Clean mode allows the indoor unit to spread air without germs and bad smells.



### LESS EFFORT

Thanks to the Auto Clean function the manual cleaning activities are less frequent.

# ADDITIONAL FEATURES

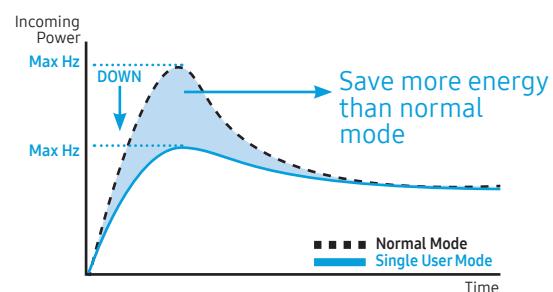


## ENERGY SAVING OPTION FOR A SINGLE PERSON

The Single User Mode uses less capacity of the compressor and reduces the energy consumption\*. Therefore, it is possible to use this function when you are alone in order to save energy consumptions.

\* Based on AR09KSWDHWK.

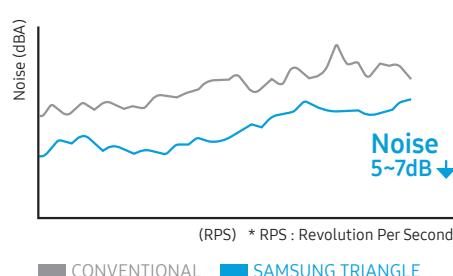
\* Based on the accumulated energy consumption of the normal mode vs. single user mode



## SILENT OPERATION

Thanks to the first 8-Pole motor in the compressor of the outdoor unit, Samsung air conditioners operates very smoothly and silently.

Its stable operation produces less vibrations and noises - only 16 dB(A) - and it is more silent than a library.



Motorway  
70dB(A)



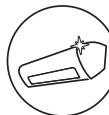
Library  
40dB(A)



Bedroom  
30dB(A)

**SAMSUNG**  
SAMSUNG TRIANGte  
Only 16dB(A)

\* Based on AR12JSPFBWK.  
\* Tested on the UG9AJ5090FER model compared to the traditional Samsung UG9A090FUAR model.



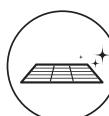
## CRYSTAL GLOSS™ DESIGN ELEGANT AND INNOVATIVE DESIGN

The finishing in pure Crystal Gloss™ and the unique curved design give it a premium aspect and performance. The transparent material and the elegant finishing fit in perfectly with each modern room.



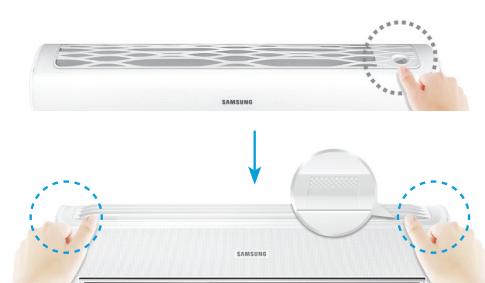
## AUTO CHANGEOVER AUTOMATIC CONTROL OF THE TEMPERATURE

Auto ChangeOver automatically selects the operation mode (cooling or heating) in order to keep the set temperature. In this way it is possible to always enjoy a comfortable room without continuously changing settings.



## EASY FILTER PLUS EASY TO CLEAN

Easy Filter Plus of the Samsung air conditioners is placed outside on the top. Therefore it is easier to pull it out, clean it and reinstall it without opening any cover or pulling with force to remove it.



Easy to remove



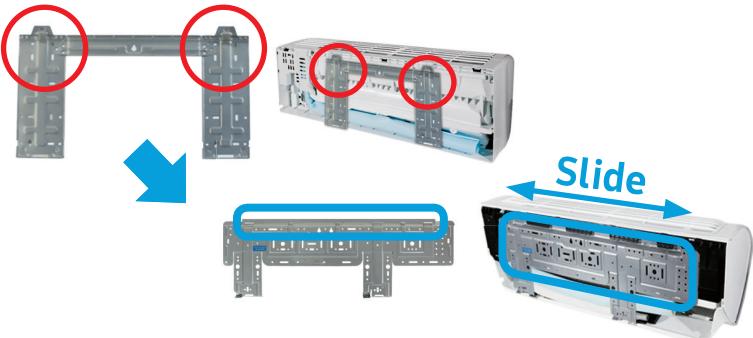
Easy to clean

# EASY TO INSTALL



## CONVENIENT PLATE HANGER

Unlike a conventional bracket that shall be precisely mounted on two fixed hooks, the Samsung roller brackets make the assembly of the unit much easier. It is enough to hook the indoor unit and find the best place to install the air conditioner by sliding the bracket from side to side.



## REMOVABLE LOWER COVER



Traditional

It is difficult to install it because it is necessary to hold the unit with some tools when connecting piping and cables.

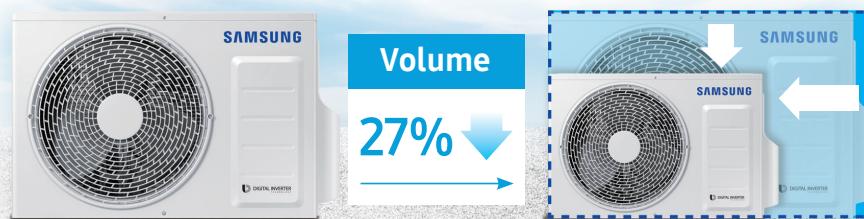


Samsung Triangle

It is easy to install: the removable lower cover enables to reach cables and pipes placed under the unit without being necessary to hold the unit when connecting pipes.

## COMPACT OUTDOOR UNIT

The volume of the outdoor unit has been reduced by 27% and its weight by 22%, from 29kg to 22.5kg. Therefore, it is easier to transport it and to better use spaces.



\* Based on 12K in Europe



\* Based on 12K in Europe



22.5 kg

Samsung



# Legend of the technology icons



## NEW WIND-FREE™

Thanks to 21,000 micro-holes placed on the front surface of the air conditioner, the Wind-Free™ system enables a more uniform spreading of fresh air without direct blast of air.



## SMART CONTROL

Through an app that can be downloaded to a smartphone or a PC, the exclusive Smart Control technology enables to manage the main functions of the air conditioner also when you are not at home.



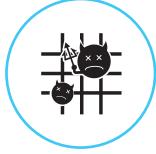
## SILENT OPERATION

The noise level corresponding to only 16 db(A) is possible thanks to the usage of developed technologies and to an indoor unit designed to reduce any vibration and noise type to a minimum.



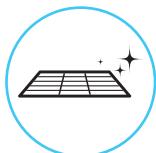
## VIRUS DOCTOR

The innovative technology produces active hydrogen that together with the oxygen ions neutralizes the harmful particles that cause allergies and respiratory problems and always ensures clean and healthy air.



## 3CARE FILTER

The new-generation filter is equipped with a special anti-bacterial, anti-allergen and anti-virus cover that contributes to make air healthier.



## NEW EASY FILTER PLUS

Easy Filter Plus of Samsung air conditioners is places outside on the top. Therefore, it is easier to pull it out, clean it and reinstall it without opening any cover or pulling it with excessive force to remove it.



## EASY FILTER

The filter placed on the upper side of the indoor unit makes the maintenance activities easier compared to the traditional devices.



## DIGITAL INVERTER COMPRESSOR

The Digital Inverter compressor modulates the power according to the actual need and significantly reduces energy wastes compared to the traditional compressors.



## NEW 8 POLE INVERTER

The new and exclusive 8-pole Inverter ensures a more effective and efficient operation with less vibrations and noises by cooling the rooms faster and by reducing consumptions.



## TWIN ROTARY COMPRESSOR

The innovative Twin Rotary BLDC compressor, equipped with two rotors, ensures a better balancing, a vibration reduction, greater noiselessness, increased performances and energy saving.



## SINGLE USER MODE

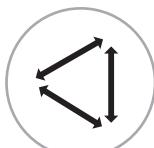
The practical Personal Usage mode is ideal to air-condition a single area with a relevant economical and energy saving.

PURIFICATION

SAVING

# Legend of the technology icons

## DESIGN



### TRIANGLE DESIGN

The triangular design enables to have a bigger fan, a wider intake grille and a wider air supply surface. The room is cooled in a faster and more uniform way.



### CRYSTAL GLOSS™ DESIGN

Transparent finishing points out the elegant and aerodynamic lines of Samsung air conditioners and gives them an irresistible charm.



### DIGITAL DISPLAY

The elegant and bright digital display, that can be seen only when the air conditioner is switched on, detects the room temperature in which the indoor unit is installed.

## COMFORT



### NEW REFRIGERANTE R32

Samsung R32 - A5500 air conditioners operate with R32 gas, a new eco-friendly refrigerant gas.



### NEW AUTO CHANGEOVER

Auto ChangeOver mode automatically selects the operation mode (cooling or heating) required to keep the set temperature.



### 2 STEP COOLING

The air conditioner works at its maximum power to quickly reach the desired temperature. Then it directs the flaps upwards to keep them in the most comfortable way.



### AUTOMATIC HORIZONTAL AND VERTICAL FLOW ADJUSTMENT

At the push of a button the special flaps will spread the air flow to the desire direction in a uniform and quick way.



### GOOD SLEEP MODE

The function adjusts the room temperature by reproducing the body temperature curve during the night and by ensuring in this way a more comfortable sleep.



### AUTO CLEAN MODE

This function, that is automatically operated once the air conditioner is switched off, removes humidity in the indoor unit and in this way prevents the proliferation of moulds, bacteria and bad smells.



### DEHUMIDIFICATION MODE

The dehumidification function enables to remove humidity from the rooms by creating a pleasant atmosphere.



### TIMER

The practical timer enables to set and program the immediate switching on and switching off of the air conditioner over 24 hours also when you are not at home.

# RAC - Room Air Conditioner





## WIND-FREE™ PLUS

**2,5 kW**  
**9000 BTU**  
AR09MSPXA

**3,5 kW**  
**12000 BTU**  
AR12MSPXA

NEW



## WIND-FREE™

**2,5 kW**  
**9000 BTU**  
AR09MSPXB

**3,5 kW**  
**12000 BTU**  
AR12MSPXB

NEW



## AR5500M

**2,5 kW**  
**9000 BTU**  
AR09KSWNA

**3,5 kW**  
**12000 BTU**  
AR12KSWNA

**5,2 kW**  
**18000 BTU**  
AR18MSWNA

**7,1 kW**  
**24000 BTU**  
AR24MSWNA

NEW



## NEW BORACAY

**2,5 kW**  
**9000 BTU**  
AR09MSFHB

**3,5 kW**  
**12000 BTU**  
AR12MSFHB

**5,2 kW**  
**18000 BTU**  
AR18MSFHB

**7,1 kW**  
**24000 BTU**  
AR24MSFHB

NEW



For further information please refer to the Samsung technical documentation.

### LEGAL NOTES

- 1) Test conditions (cooling): indoor air temperature 27°C (dry bulb) / 19°C (wet bulb); outdoor air temperature 35°C (dry bulb) / 24°C (wet bulb).  
Test conditions (heating): indoor air temperature 20°C (dry bulb) / 15°C (wet bulb); outdoor air temperature 7°C (dry bulb) / 6°C (wet bulb).
- 2) Pdesign = design load in the cooling mode measured with an outdoor temperature at 35°C (dry bulb)/24°C (wet bulb) and an indoor temperature at 27°C (dry bulb)/19°C (wet bulb).
- 4) Pdesignh = design load in the heating mode measured with an outdoor temperature at -10°C (dry bulb)/-11°C (wet bulb) and an indoor temperature at 20°C (dry bulb)/15°C (wet bulb).
- 6) The refrigerant loss contributes to climate change. In case of release into the atmosphere, refrigerants with a lower global warming potential (GWP) contributes to the global warming less than those with a higher GWP. This device includes a refrigerant fluid with 2088 GWP. If 1 kg of this refrigerant fluid were released into the atmosphere, the impact on the global warming would be 2088 higher than 1 kg of CO<sub>2</sub>, for a period of 100 years. In no case, the user shall try to intervene in the refrigerant circuit or to disassemble the product. If necessary, contact the qualified personnel.
- 7) Samsung air conditioners contain fluorinated greenhouse gases R410A. GWP = 2088

# RAC - Room Air Conditioner



## AR9000

**2,5 kW**  
**9000 BTU**  
AR09JSPFA

**3,5 kW**  
**12000 BTU**  
AR12JSPFA



A+++

DIGITAL INVERTER

## R32 - AR5500

**2,5 kW**  
**9000 BTU**  
AR09MXWSA

**3,5 kW**  
**12000 BTU**  
AR12MXWSA



NEW



## AR9000M

**2,5 kW**  
**9000 BTU**  
AR09JSPFB

**3,5 kW**  
**12000 BTU**  
AR12JSPFB



Available while stock lasts



## AR7000M

**2,5 kW**  
**9000 BTU**  
AR09KSPDB

**3,5 kW**  
**12000 BTU**  
AR12KSPDB



**5,2 kW**  
**18000 BTU**  
AR18KSPDB

**7,1 kW**  
**24000 BTU**  
AR24KSPDB

Available while stock lasts



# WIND-FREE™ PLUS

Compatible in FJM

NEW



DIGITAL INVERTER  
COMPRESSOR



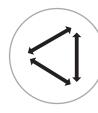
8 POLE  
INVERTER



TWIN ROTARY  
COMPRESSOR



SINGLE  
USER MODE



TRIANGLE  
DESIGN



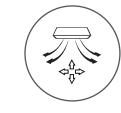
DIGITAL  
DISPLAY



AUTO  
CHANGEOVER



2 STEP  
COOLING



AUTOMATIC  
HORIZONTAL AND  
VERTICAL FLOW  
ADJUSTMENT



GOOD SLEEP  
MODE



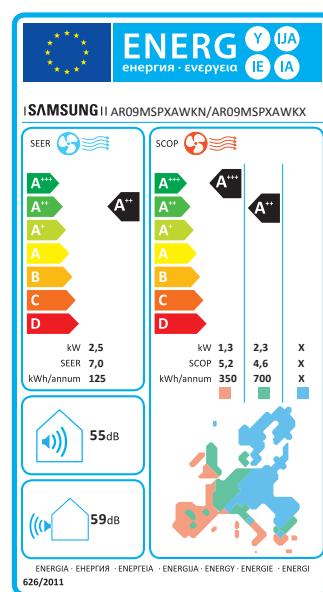
AUTO CLEAN  
MODE



DEHUMIDIFICATION  
MODE



TIMER



# RAC - Room Air Conditioner

Model	Indoor Unit Outdoor Unit	AR09MSPXAWKNEU AR09MSPXAWKXEU	AR12MSPXAWKNEU AR12MSPXAWKXEU
EAN	Indoor Unit Outdoor Unit	8806088850320 8806088850337	8806088850344 8806088850351
Set Name		F-AR09MPX	F-AR12MPX
EAN Set		8806088858265	8806088858272
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2,5 (0,75~3,3)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	620
	SEER: Seasonal Energy Efficiency Ratio		7,0
	Seasonal Energy Efficiency Class		A++
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,5
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	125
Heating Average Season	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3,2 (0,62~4,3)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	800
	SCOP: Seasonal Coefficient of Performance		4,6
	Seasonal Energy Efficiency Class		A++
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,3
	Electric back-up heater capacity elbu (Tj)	kW	0
Indoor Unit	Declared capacity	kW	2,3
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	700
	Dimensions (WxHxD)	mm	828x267x265
	Weight	Kg	10
	Treated Air (Max)	m <sup>3</sup> /min	8,5
	Dehumidification Capacity	L/hr	1
Outdoor Unit	Sound Pressure Level	dB(A)	16 / 38
	Sound Power Level	dB(A)	55
	Dimensions (WxHxD)	mm	790x548x285
	Weight	Kg	34
	Sound Pressure Level	dB(A)	45
	Sound Power Level	dB(A)	59
Installation Data	Power Supply	Ø, V, Hz	Single-phase, 220-240, 50
	Operating Range (Cooling)	°C	-10~46
	Operating Range (Heating)	°C	-15~24
	Liquid/Gas Piping	Ømm (inch)	6,35 (1/4") 9,52 (3/8")
	Piping Length Max/Min	m	15 / 3
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	8
Refrigerant	Factory Charging	Kg	0,95
	Maximum Piping Length without Adding Refrigerant	m	5
	Additional Refrigerant Charging	g/m	15
	Refrigerant Type <sup>(7)</sup>		R410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>		2088
	CO <sub>2</sub> Value	tCO <sub>2</sub>	1,99

For generic legal notes, see page 26

3) Energy consumption 125 kWh/year according to the results of the standard tests.

3) Energy consumption 186 kWh/year according to the results of the standard tests.

5) Energy consumption 700 kWh/year according to the results of the standard tests.

5) Energy consumption 730 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# WIND-FREE™

Compatible in FJM

NEW



DIGITAL INVERTER  
COMPRESSOR



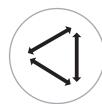
8 POLE  
INVERTER



TWIN ROTARY  
COMPRESSOR



SINGLE  
USER MODE



TRIANGLE  
DESIGN



DIGITAL  
DISPLAY



AUTO  
CHANGEOVER



2 STEP  
COOLING



AUTOMATIC  
HORIZONTAL AND  
VERTICAL FLOW  
ADJUSTMENT



GOOD SLEEP  
MODE



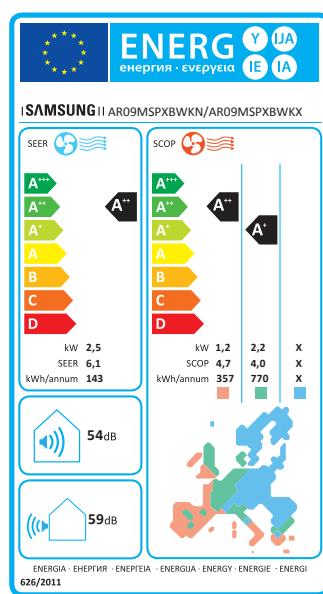
AUTO CLEAN  
MODE



DEHUMIDIFICATION  
MODE



TIMER



# RAC - Room Air Conditioner

Model	Indoor Unit Outdoor Unit	AR09MSPXBWKNEU AR09MSPXBWKXEU	AR12MSPXBWKNEU AR12MSPXBWKXEU
EAN	Indoor Unit Outdoor Unit	8806088640969 8806088640983	8806088642468 8806088642475
Set Name		F-AR09MXB	F-AR12MXB
EAN Set		8806088768984	8806088768991
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2,5 (1,3~3,3)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	670
	SEER: Seasonal Energy Efficiency Ratio		6,1
	Seasonal Energy Efficiency Class		A++
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,5
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	143
Heating Average Season	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3,2 (1,1~4,2)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	860
	SCOP: Seasonal Coefficient of Performance		4,0
	Seasonal Energy Efficiency Class		A+
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,2
	Electric back-up heater capacity elbu (Tj)	kW	0
Indoor Unit	Declared capacity	kW	2,2
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	770
	Dimensions (WxHxD)	mm	828x267x265
	Weight	Kg	9,4
	Treated Air (Max)	m <sup>3</sup> /min	8,9
	Dehumidification Capacity	L/hr	1
Outdoor Unit	Sound Pressure Level	dB(A)	19 / 37
	Sound Power Level	dB(A)	54
	Dimensions (WxHxD)	mm	720x548x265
	Weight	Kg	27,6
	Sound Pressure Level	dB(A)	46
	Sound Power Level	dB(A)	59
Installation Data	Power Supply	Ø, V, Hz	Single-phase, 220-240, 50
	Operating Range (Cooling)	°C	-10~46
	Operating Range (Heating)	°C	-15~24
	Liquid/Gas Piping	Ømm (inch)	6,35 (1/4") 9,52 (3/8")
	Piping Length Max/Min	m	15 / 3
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	8
Refrigerant	Factory Charging	Kg	0,95
	Maximum Piping Length without Adding Refrigerant	m	5
	Additional Refrigerant Charging	g/m	15
	Refrigerant Type <sup>(7)</sup>	R410A	R410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>		2088
	CO <sub>2</sub> Value	tCO <sub>2</sub>	1,99

For generic legal notes, see page 26

3) Energy consumption 143 kWh/year according to the results of the standard tests.

3) Energy consumption 201 kWh/year according to the results of the standard tests.

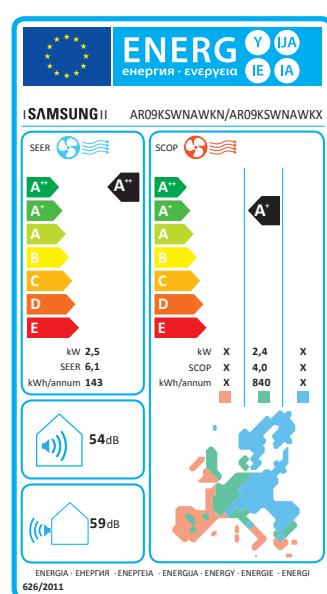
5) Energy consumption 770 kWh/year according to the results of the standard tests.

5) Energy consumption 770 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# AR5500M

Compatible in FJM



Model	Indoor Unit Outdoor Unit	AR09KSWNAWKNET AR09KSWNAWKXET	AR12KSWNAWKNET AR12KSWNAWKXET	AR18MSWNAWKNEU AR18MSWNAWKXEU	AR24MSWNAWKNEU AR24MSWNAWKXEU
EAN	Indoor Unit Outdoor Unit	8806088150659 8806088150482	8806088150703 8806088150512	8806088671277 8806088671284	8806088671338 8806088671345
Set Name		F-AR09KNA	F-AR12KNA	F-AR18MNA	F-AR24MNA
EAN Set		8806088260655	8806088260662	8806088769042	8806088769059
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2,5 (1,3~3,3)	3,5 (1,3~4,0)	5,0 (1,6~6,5) 6,8 (1,4~7,9)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	670	1060	1450 2260
	SEER: Seasonal Energy Efficiency Ratio		6,1	6,1	6,1 6,1
	Seasonal Energy Efficiency Class		A++	A++	A++ A++
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,5	3,5	5,0 6,8
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	143	201	287 390
Heating Average Season	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3,2 (1,1~4,15)	3,8 (1,1~4,65)	6,0 (1,2~7,2) 7,7 (1,2~8,2)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	860	1020	1750 2560
	SCOP: Seasonal Coefficient of Performance		4,0	4,0	3,8 3,8
	Seasonal Energy Efficiency Class		A+	A+	A A
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,4	2,4	3,8 4,2
	Electric back-up heater capacity elbu (Tj)	kW	0	0	0 0
Indoor Unit	Declared capacity	kW	2,4	2,4	3,8 4,2
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	840	840	1400 1547
	Dimensions (WxHxD)	mm	826x261x261	826x261x261	1065x301x294 1065x301x294
	Weight	Kg	9,5	9,5	13,2 13,2
	Treated Air (Max)	m <sup>3</sup> /min	11	12	15,6 18,4
	Dehumidification Capacity	L/hr	0,9	1,2	2 2,5
Outdoor Unit	Sound Pressure Level	dB(A)	19 / 37	19 / 38	25 / 41 26 / 45
	Sound Power Level	dB(A)	54	56	58 62
	Dimensions (WxHxD)	mm	720x548x265	720x548x265	880x638x310 880x793x310
	Weight	Kg	28,5	28,5	41,5 51
	Sound Pressure Level	dB(A)	45	46	51 54
	Sound Power Level	dB(A)	59	62	65 68
Installation Data	Power Supply	Ø, V, Hz	Single-phase, 220-240, 50	Single-phase, 220-240, 50	Single-phase, 220-240, 50 Single-phase, 220-240, 50
	Operating Range (Cooling)	°C	-10~46	-10~46	-10~46 -10~46
	Operating Range (Heating)	°C	-15~24	-15~24	-15~24 -15~24
	Liquid/Gas Piping	Ømm (inch)	6,35 (1/4") 9,52 (3/8")	6,35 (1/4") 9,52 (3/8")	6,35 (1/4") 12,7 (1/2") 6,35 (1/4") 15,88 (5/8")
	Piping Length Max/Min	m	15 / 3	15 / 3	30 / 3 30 / 3
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	8	8	15 15
Refrigerant	Factory Charging	Kg	0,95	0,95	1,3 1,5
	Maximum Piping Length without Adding Refrigerant	m	5	5	5 5
	Additional Refrigerant Charging	g/m	15	15	15 15
	Refrigerant Type <sup>(7)</sup>		R410A	R410A	R410A R410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>		2088	2088	2088 2088
	CO <sub>2</sub> Value	tCO <sub>2</sub>	1,99	1,99	2,72 3,14

For generic legal notes, see page 26

3) Energy consumption 143 kWh/year according to the results of the standard tests.

3) Energy consumption 201 kWh/year according to the results of the standard tests.

3) Energy consumption 287 kWh/year according to the results of the standard tests.

3) Energy consumption 390 kWh/year according to the results of the standard tests.

5) Energy consumption 840 kWh/year according to the results of the standard tests.

5) Energy consumption 840 kWh/year according to the results of the standard tests.

5) Energy consumption 1400 kWh/year according to the results of the standard tests.

5) Energy consumption 1547 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# NEW BORACAY

Compatible in FJM

**NEW**



SILENT  
OPERATION



VIRUS  
DOCTOR



DIGITAL INVERTER  
COMPRESSOR



8 POLE  
INVERTER



TWIN ROTARY  
COMPRESSOR



SINGLE  
USER MODE



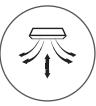
DIGITAL  
DISPLAY



AUTO  
CHANGEOVER



2 STEP  
COOLING



AUTOMATIC  
HORIZONTAL AND  
VERTICAL FLOW  
ADJUSTMENT



GOOD SLEEP  
MODE



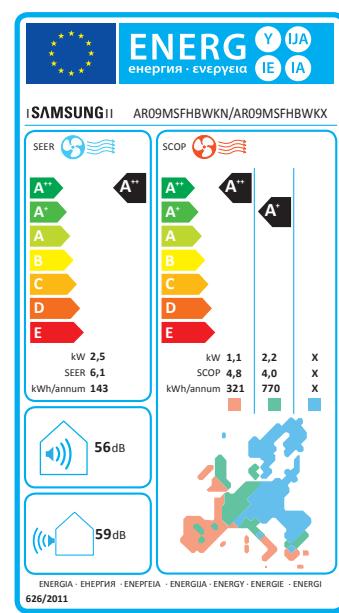
AUTO CLEAN  
MODE



DEHUMIDIFICATION  
MODE



TIMER



Model	Indoor Unit Outdoor Unit	AR09MSFHBWKNET AR09MSFHBWKXET	AR12MSFHBWKNET AR12MSFHBWKXET	AR18MSFHBWKNEU AR18MSFHBWKXEU	AR24MSFHBWKNEU AR24MSFHBWKXEU
EAN	Indoor Unit Outdoor Unit	8806088599762 8806088599786	8806088599861 8806088599885	8806088600048 8806088600055	8806088612478 8806088612485
Set Name		F-AR09MHB	F-AR12MHB	F-AR18MHB	F-AR24MHB
EAN Set		8806088769066	8806088769073	8806088769080	8806088769097
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2,5 (1,00~3,3)	3,5 (1,0~4,0)	5,0 (1,6~6,5)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	670	1090	1450
	SEER: Seasonal Energy Efficiency Ratio		6,1	6,1	6,1
	Seasonal Energy Efficiency Class		A++	A++	A++
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,5	3,5	5,0
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	143	201	287
Heating Average Season	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3,2 (1,10~4,15)	3,7 (1,1~4,65)	6,0 (1,2~7,2)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	860	995	1750
	SCOP: Seasonal Coefficient of Performance		4,0	4,0	3,8
	Seasonal Energy Efficiency Class		A+	A+	A
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,2	2,2	3,8
	Electric back-up heater capacity elbu (Tj)	kW	0	0	0
Indoor Unit	Declared capacity	kW	2,2	2,2	3,8
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	770	770	1400
	Dimensions (WxHxD)	mm	820x285x227	820x285x227	1065x298x243
	Weight	Kg	8,2	8,2	11,5
	Treated Air (Max)	m <sup>3</sup> /min	8,9	11	15
	Dehumidification Capacity	L/hr	1	1,5	2
Outdoor Unit	Sound Pressure Level	dB(A)	21 / 38	21 / 42	25 / 42
	Sound Power Level	dB(A)	56	59	58
	Dimensions (WxHxD)	mm	720x548x265	720x548x265	880x638x310
	Weight	Kg	27,6	27,6	41,5
	Sound Pressure Level	dB(A)	45	47	51
	Sound Power Level	dB(A)	59	62	65
Installation Data	Power Supply	Ø, V, Hz	Single-phase, 220-240, 50	Single-phase, 220-240, 50	Single-phase, 220-240, 50
	Operating Range (Cooling)	°C	-10~46	-10~46	-10~46
	Operating Range (Heating)	°C	-15~24	-15~24	-15~24
	Liquid/Gas Piping	Ømm (inch)	6,35 (1/4") 9,52 (3/8")	6,35 (1/4") 9,52 (3/8")	6,35 (1/4") 12,70 (1/2")
	Piping Length Max/Min	m	15 / 3	15 / 3	30 / 3
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	8	8	15
Refrigerant	Factory Charging	Kg	0,95	0,95	1,3
	Maximum Piping Length without Adding Refrigerant	m	5	5	5
	Additional Refrigerant Charging	g/m	15	15	30
	Refrigerant Type <sup>(7)</sup>		R410A	R410A	R410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>		2088	2088	2088
	CO <sub>2</sub> Value	tCO <sub>2</sub>	1,99	1,99	2,71

For generic legal notes, see page 26

3) Energy consumption 143 kWh/year according to the results of the standard tests.

5) Energy consumption 770 kWh/year according to the results of the standard tests.

3) Energy consumption 201 kWh/year according to the results of the standard tests.

5) Energy consumption 770 kWh/year according to the results of the standard tests.

3) Energy consumption 287 kWh/year according to the results of the standard tests.

5) Energy consumption 1400 kWh/year according to the results of the standard tests.

3) Energy consumption 390 kWh/year according to the results of the standard tests.

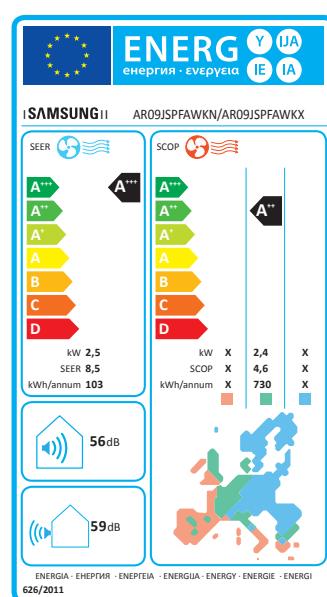
5) Energy consumption 1547 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# AR9000



Samsung Smart Home



# RAC - Room Air Conditioner

Model	Indoor Unit Outdoor Unit	AR09JSPFAWKNEU AR09JSPFAWKXEU	AR12JSPFAWKNEU AR12JSPFAWKXEU
EAN	Indoor Unit Outdoor Unit	8806086691789 8806086691796	8806086691826 8806086691833
Set Name		F-AR09JA	F-AR12JA
EAN Set		8806086708944	8806086708951
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2,5 (0,97~3,3)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	550
	SEER: Seasonal Energy Efficiency Ratio		8,5
	Seasonal Energy Efficiency Class		A+++
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,5
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	103
Heating Average Season	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3,2 (0,85~6,0)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	770
	SCOP: Seasonal Coefficient of Performance		4,6
	Seasonal Energy Efficiency Class		A++
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,4
	Electric back-up heater capacity elbu (Tj)	kW	0
Indoor Unit	Declared capacity	kW	2,4
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	730
	Dimensions (WxHxD)	mm	936x267x264
	Weight	Kg	12,5
	Treated Air (Max)	m <sup>3</sup> /min	11
	Dehumidification Capacity	L/hr	0,9
Outdoor Unit	Sound Pressure Level	dB(A)	16 / 38
	Sound Power Level	dB(A)	56
	Dimensions (WxHxD)	mm	790x545x285
	Weight	Kg	35
	Sound Pressure Level	dB(A)	45
	Sound Power Level	dB(A)	59
Installation Data	Power Supply	Ø, V, Hz	Single-phase, 220-240, 50
	Operating Range (Cooling)	°C	-10~46
	Operating Range (Heating)	°C	-15~24
	Liquid/Gas Piping	Ømm (inch)	6,35 (1/4") 9,52 (3/8")
	Piping Length Max/Min	m	15 / 3
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	8
Refrigerant	Factory Charging	Kg	1,1
	Maximum Piping Length without Adding Refrigerant	m	5
	Additional Refrigerant Charging	g/m	15
	Refrigerant Type <sup>(7)</sup>		R410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>		2088
	CO <sub>2</sub> Value	tCO <sub>2</sub>	2,3

For generic legal notes, see page 26

3) Energy consumption 103 kWh/year according to the results of the standard tests.

3) Energy consumption 173 kWh/year according to the results of the standard tests.

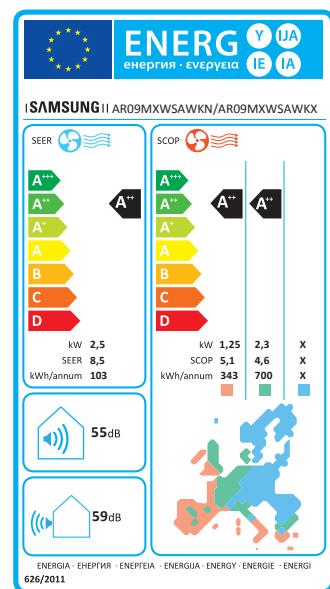
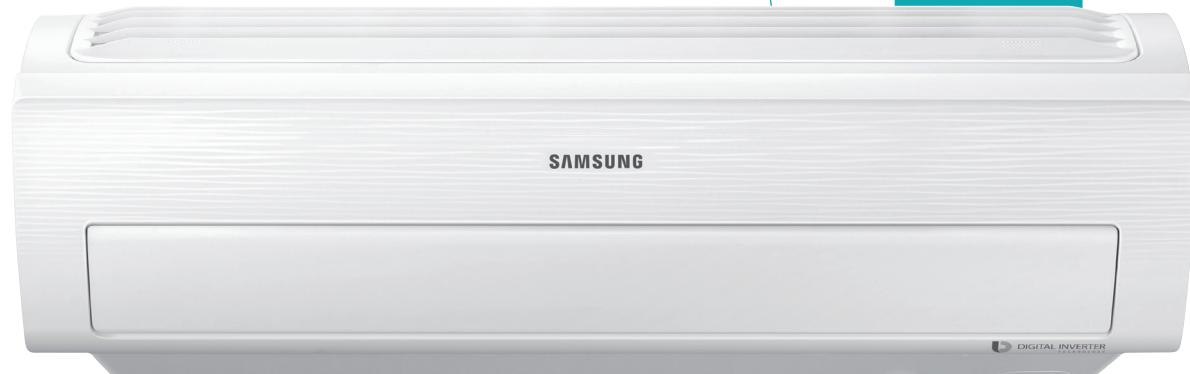
5) Energy consumption 730 kWh/year according to the results of the standard tests.

5) Energy consumption 883 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# R32 - AR5500

NEW



# RAC - Room Air Conditioner

Model	Indoor Unit Outdoor Unit		AR09MXWSAWKNEU AR09MXWSAWKXEU	AR12MXWSAWKNEU AR12MXWSAWKXEU
EAN	Indoor Unit Outdoor Unit		8806088734637 8806088734644	8806088734705 8806088734712
Set Name			F-AR09MXS	F-AR12MXS
EAN Set			8806088769028	8806088769035
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2,5 (1,3~3,3)	3,5 (1,30~4,0)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	670	1060
	SEER: Seasonal Energy Efficiency Ratio		8,5	8,3
	Seasonal Energy Efficiency Class		A++	A++
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,5	3,5
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	103	148
Heating Average Season	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3,2 (1,1~4,15)	3,8 (1,1~4,65)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	860	1020
	SCOP: Seasonal Coefficient of Performance		4,6	4,6
	Seasonal Energy Efficiency Class		A+	A+
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,3	2,3
	Electric back-up heater capacity elbu (Tj)	kW	0	0
Indoor Unit	Declared capacity	kW	2,3	2,3
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	700	700
	Dimensions (WxHxD)	mm	896x261x261	896x261x261
	Weight	Kg	9,5	9,5
	Treated Air (Max)	m <sup>3</sup> /min	11	12
	Dehumidification Capacity	L/hr	0,9	1,2
Outdoor Unit	Sound Pressure Level	dB(A)	19 / 37	19 / 38
	Sound Power Level	dB(A)	54	56
	Dimensions (WxHxD)	mm	790x548x285	790x548x285
	Weight	Kg	28,5	28,5
	Sound Pressure Level	dB(A)	45	46
	Sound Power Level	dB(A)	59	62
Installation Data	Power Supply	Ø, V, Hz	Single-phase, 220-240, 50	Single-phase, 220-240, 50
	Operating Range (Cooling)	°C	-10~46	-10~46
	Operating Range (Heating)	°C	-15~24	-15~24
	Liquid/Gas Piping	Ømm (inch)	6,35 (1/4") 9,52 (3/8")	6,35 (1/4") 9,52 (3/8")
	Piping Length Max/Min	m	15 / 3	15 / 3
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	8	8
Refrigerant	Factory Charging	Kg	0,87	0,87
	Maximum Piping Length without Adding Refrigerant	m	5	5
	Additional Refrigerant Charging	g/m	15	15
	Refrigerant Type <sup>(7)</sup>		R32	R32
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>		675	675
	CO <sub>2</sub> Value	tCO <sub>2</sub>	0,59	0,59

For generic legal notes, see page 26

3) Energy consumption 103 kWh/year according to the results of the standard tests.

3) Energy consumption 148 kWh/year according to the results of the standard tests.

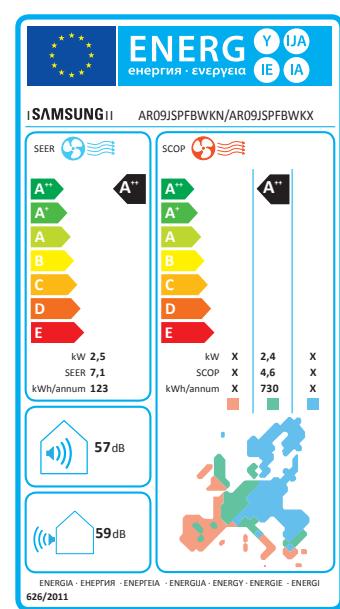
5) Energy consumption 700 kWh/year according to the results of the standard tests.

5) Energy consumption 700 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# AR9000M

Compatible in FJM  
Available while stock lasts



# RAC - Room Air Conditioner

Model	Indoor Unit Outdoor Unit	AR09JSPFBWKNEU AR09JSPFBWKXEU	AR12JSPFBWKNEU AR12JSPFBWKXEU
EAN	Indoor Unit Outdoor Unit	8806086691802 8806086691819	8806086691840 8806086691857
Set Name		F-AR09KFB	F-AR12KFB
EAN Set		8806088260600	8806088334332
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2,5 (0,97~3,3)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	590
	SEER: Seasonal Energy Efficiency Ratio		7,1
	Seasonal Energy Efficiency Class		A++
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,5
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	123
Heating Average Season	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3,2 (0,97~5,4)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	780
	SCOP: Seasonal Coefficient of Performance		4,6
	Seasonal Energy Efficiency Class		A++
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,4
	Electric back-up heater capacity elbu (Tj)	kW	0
Indoor Unit	Declared capacity	kW	2,4
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	730
	Dimensions (WxHxD)	mm	936x267x264
	Weight	Kg	12,0
	Treated Air (Max)	m <sup>3</sup> /min	11
	Dehumidification Capacity	L/hr	0,9
Outdoor Unit	Sound Pressure Level	dB(A)	16
	Sound Power Level	dB(A)	57
	Dimensions (WxHxD)	mm	790x545x285
	Weight	Kg	34,5
	Sound Pressure Level	dB(A)	38-45
	Sound Power Level	dB(A)	59
Installation Data	Power Supply	Ø, V, Hz	Single-phase, 220-240, 50
	Operating Range (Cooling)	°C	-10~46
	Operating Range (Heating)	°C	-15~24
	Liquid/Gas Piping	Ømm (inch)	6,35 (1/4") 9,52 (3/8")
	Piping Length Max/Min	m	15 / 3
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	8
Refrigerant	Factory Charging	Kg	0,95
	Maximum Piping Length without Adding Refrigerant	m	5
	Additional Refrigerant Charging	g/m	15
	Refrigerant Type <sup>(7)</sup>	R410A	R410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>		2088
	CO <sub>2</sub> Value	tCO <sub>2</sub>	0,64

For generic legal notes, see page 26

3) Energy consumption 123 kWh/year according to the results of the standard tests.

3) Energy consumption 183 kWh/year according to the results of the standard tests.

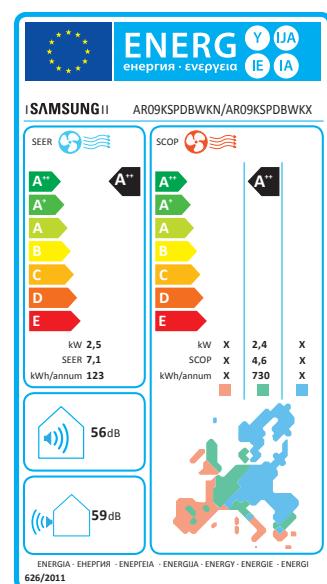
5) Energy consumption 730 kWh/year according to the results of the standard tests.

5) Energy consumption 883 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# AR7000M

Compatible in FJM  
Available while stock lasts



Model	Indoor Unit Outdoor Unit	AR09KSPDBWKNEU AR09KSPDBWKXEU	AR12KSPDBWKNEU AR12KSPDBWKXEU	AR18KSPDBWKNEU AR18KSPDBWKXEU	AR24KSPDBWKNEU AR24KSPDBWKXEU
EAN	Indoor Unit Outdoor Unit	8806088150321 8806088150338	8806088150376 8806088150383	8806088150765 8806088150772	8806088150802 8806088150550
Set Name		F-AR09KDB	F-AR12KDB	F-AR18KDB	F-AR24KDB
EAN Set		8806088260617	8806088260624	8806088260631	8806088260648
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2,5 (0,97~3,3)	3,5 (0,97~4,0)	5,0 (1,6 – 7,0)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	590	970	1280
	SEER: Seasonal Energy Efficiency Ratio		7,1	6,7	7,0
	Seasonal Energy Efficiency Class		A++	A++	A++
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,5	3,5	5,0
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	123	183	250
Heating Average Season	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3,2 (0,97~5,4)	4,0 (0,97~5,8)	6,0 (1,2 – 8,0)
	Std Absorption (Min~Max) <sup>(1)</sup>	W	780	1050	1460
	SCOP: Seasonal Coefficient of Performance		4,6	4,6	4,0
	Seasonal Energy Efficiency Class		A++	A++	A+
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,4	2,9	4,5
	Electric back-up heater capacity elbu (Tj)	kW	0	0	0
Indoor Unit	Declared capacity	kW	2,4	2,9	4,5
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	730	883	1575
	Dimensions (WxHxD)	mm	826x261x261	826x261x261	1065x301x294
	Weight	Kg	10,2	10,2	15,5
	Treated Air (Max)	m <sup>3</sup> /min	11	12	18
	Dehumidification Capacity	L/hr	0,9	1,2	1,8
Outdoor Unit	Sound Pressure Level	dB(A)	16 / 38	16 / 39	25 / 42
	Sound Power Level	dB(A)	56	58	58
	Dimensions (WxHxD)	mm	790x545x285	790x545x285	880x793x310
	Weight	Kg	34,5	34,5	52,5
	Sound Pressure Level	dB(A)	45	46	51
	Sound Power Level	dB(A)	59	62	65
Installation Data	Power Supply	Ø, V, Hz	Single-phase, 220-240, 50	Single-phase, 220-240, 50	Single-phase, 220-240, 50
	Operating Range (Cooling)	°C	-10~46	-10~46	-10~46
	Operating Range (Heating)	°C	-15~24	-15~24	-15~24
	Liquid/Gas Piping	Ømm (inch)	6,35 (1/4") 9,52 (3/8")	6,35 (1/4") 9,52 (3/8")	6,35 (1/4") 12,70 (1/2")
	Piping Length Max/Min	m	15 / 3	15 / 3	30 / 3
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	8	8	15
Refrigerant	Factory Charging	Kg	0,95	0,95	1,3
	Maximum Piping Length without Adding Refrigerant	m	5	5	5
	Additional Refrigerant Charging	g/m	15	15	30
	Refrigerant Type <sup>(7)</sup>		R410A	R410A	R410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>		2088	2088	2088
	CO <sub>2</sub> Value	tCO <sub>2</sub>	1,99	1,99	2,71

For generic legal notes, see page 26

3) Energy consumption 123 kWh/year according to the results of the standard tests.

5) Energy consumption 730 kWh/year according to the results of the standard tests.

3) Energy consumption 183 kWh/year according to the results of the standard tests.

5) Energy consumption 883 kWh/year according to the results of the standard tests.

3) Energy consumption 250 kWh/year according to the results of the standard tests.

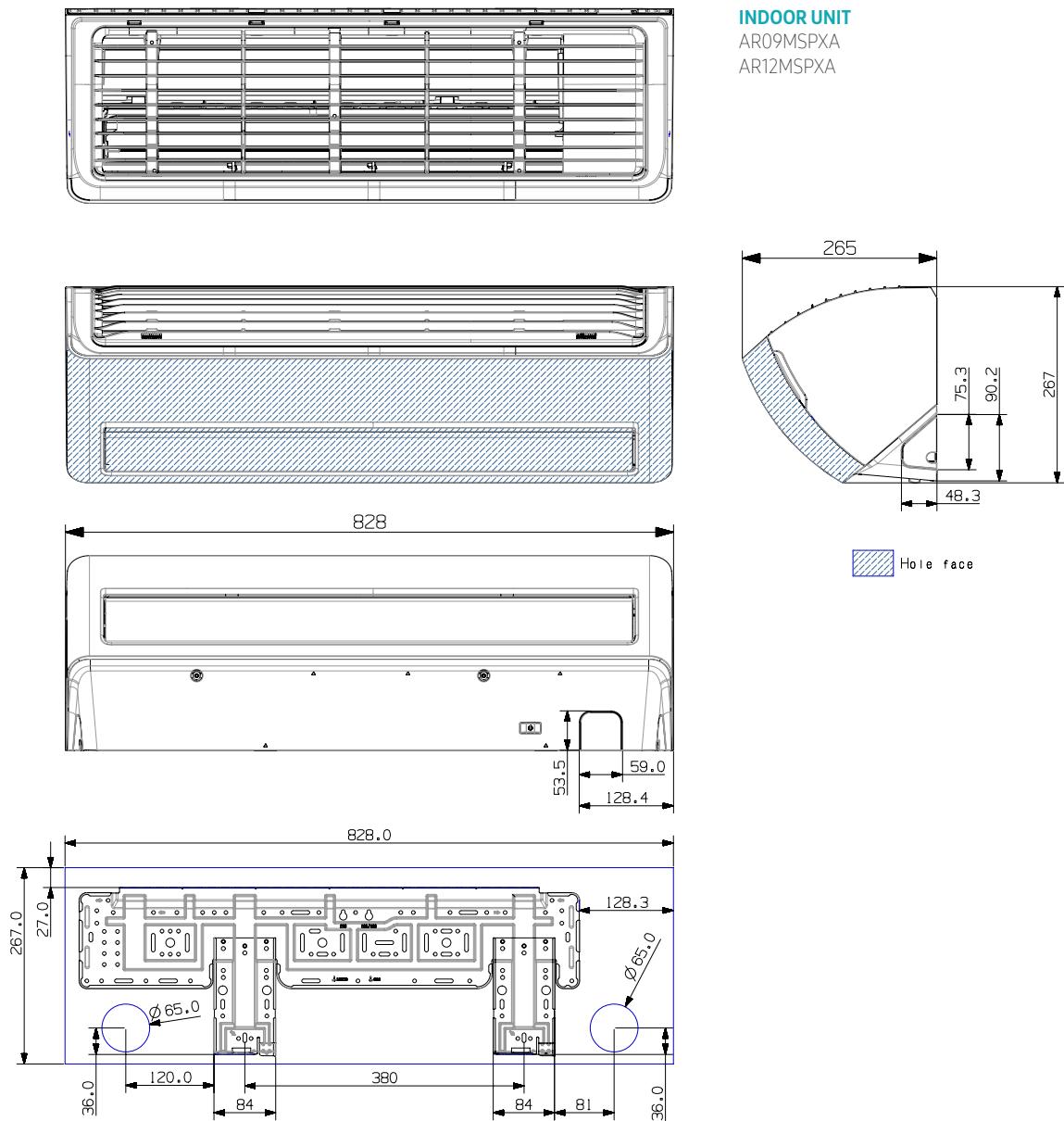
5) Energy consumption 1575 kWh/year according to the results of the standard tests.

3) Energy consumption 340 kWh/year according to the results of the standard tests.

5) Energy consumption 1575 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

## WIND-FREE™ PLUS



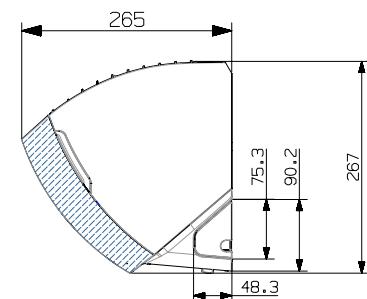
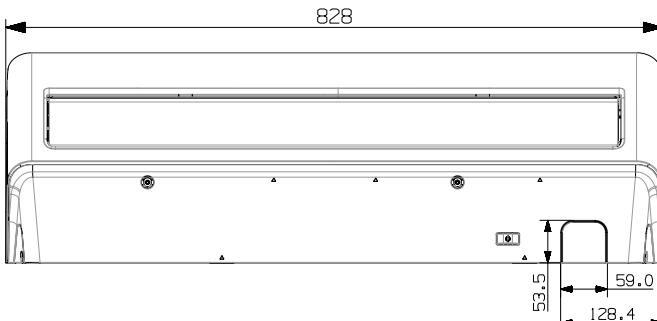
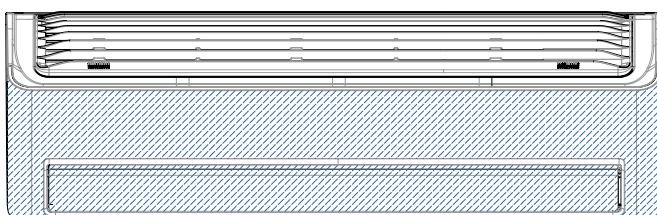


## WIND-FREE™

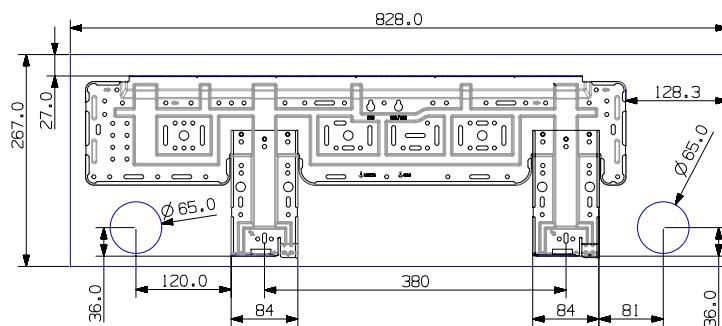


### INDOOR UNIT

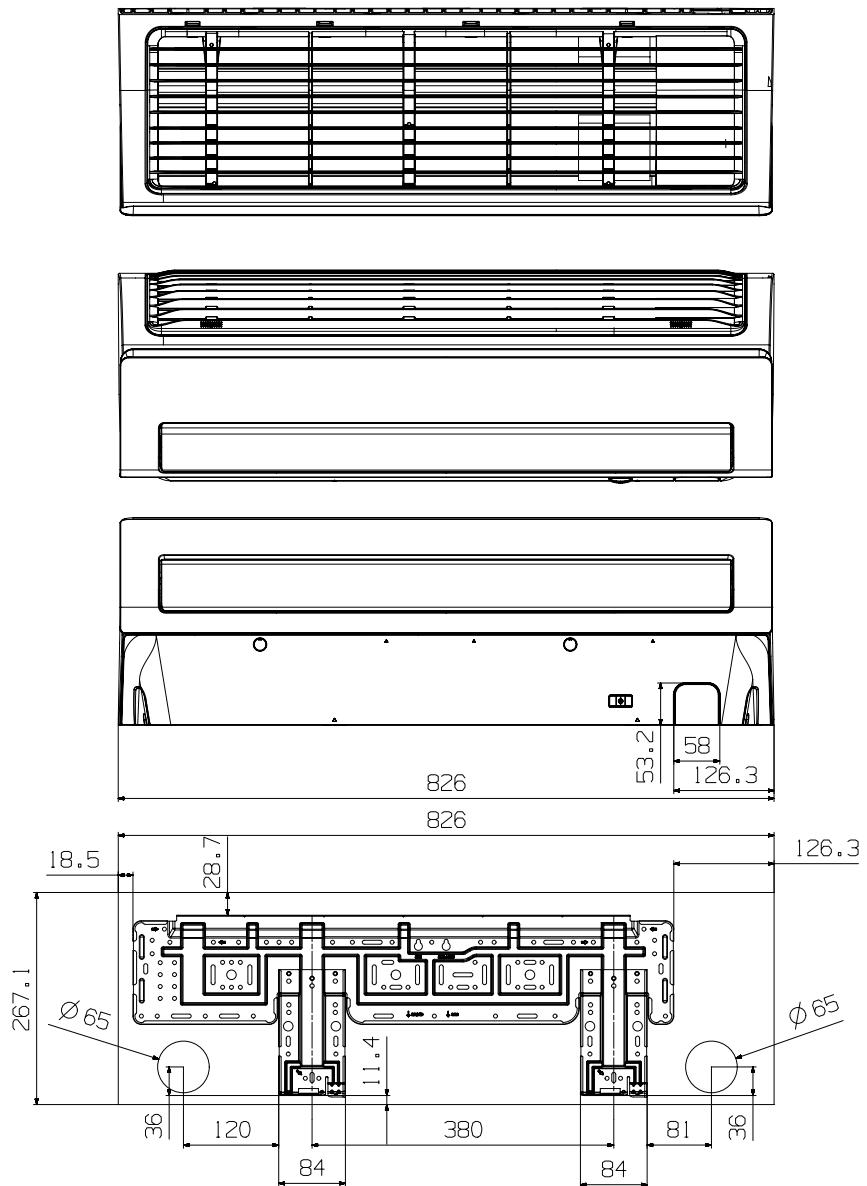
AR09MSPXB  
AR12MSPXB



Hole face

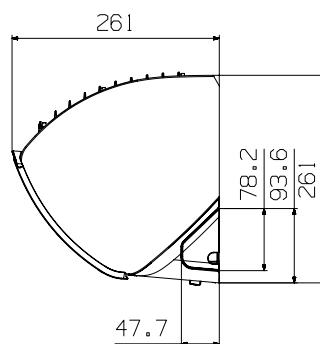


## AR5500M

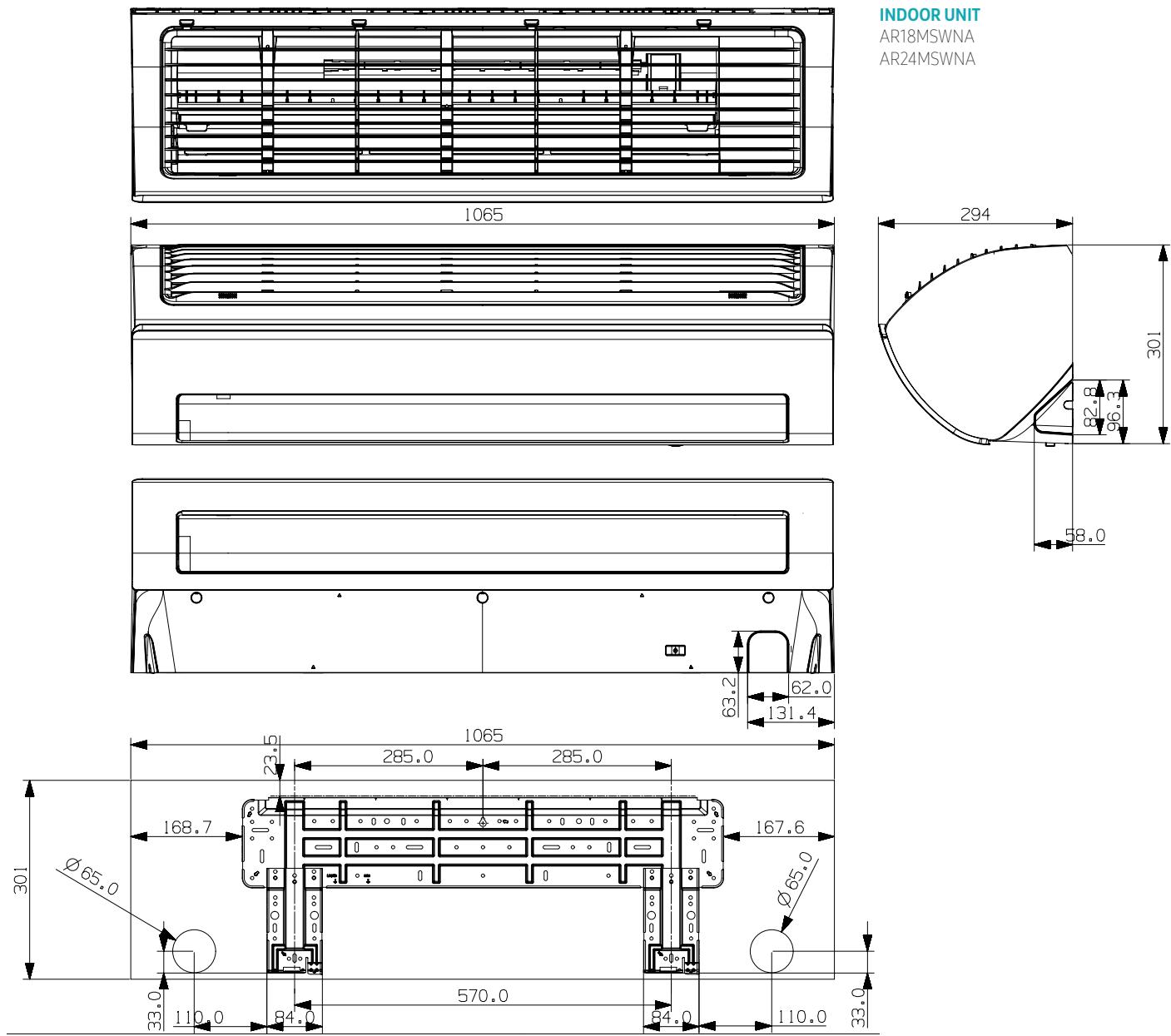


### INDOOR UNIT

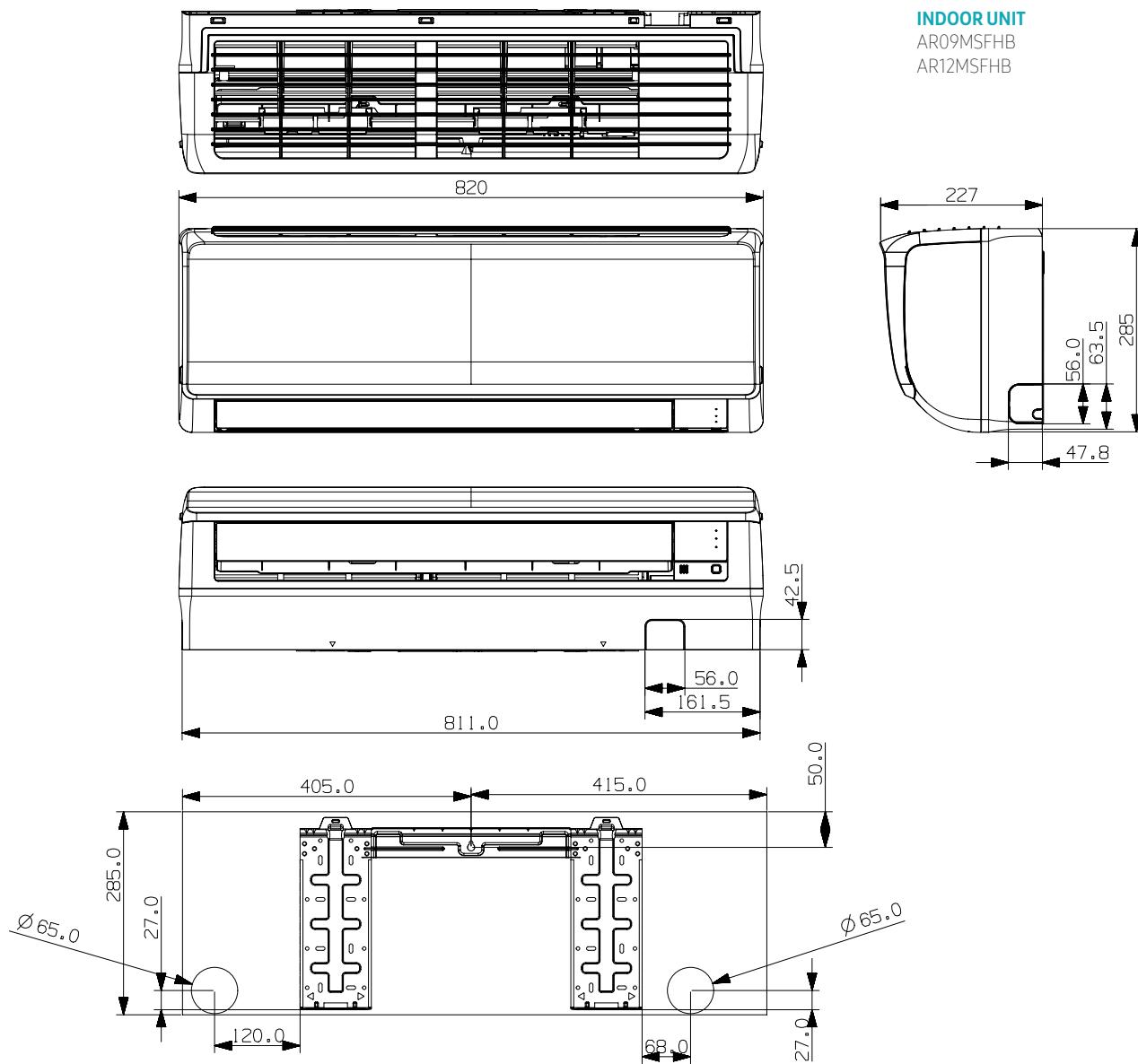
AR09KSWNA  
AR12KSWNA



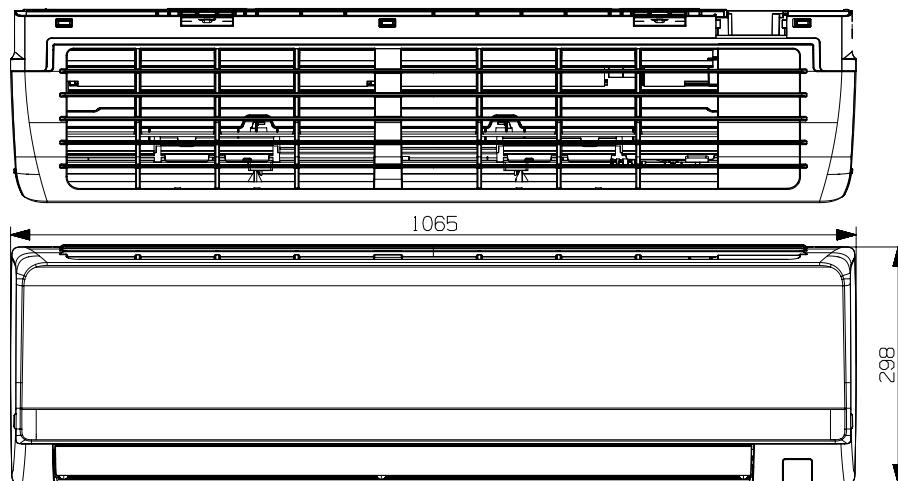
## AR5500M



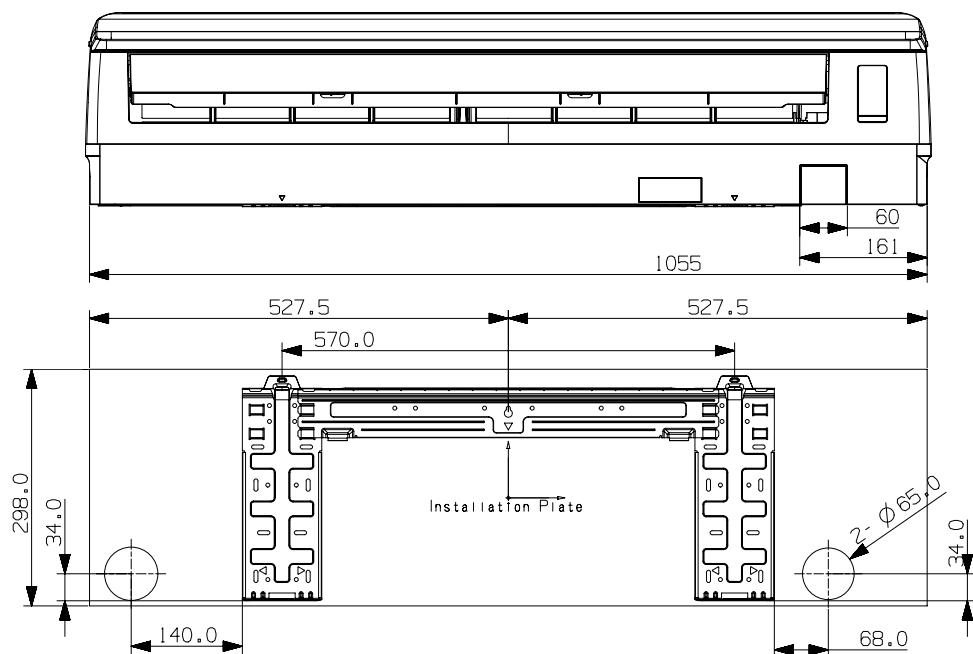
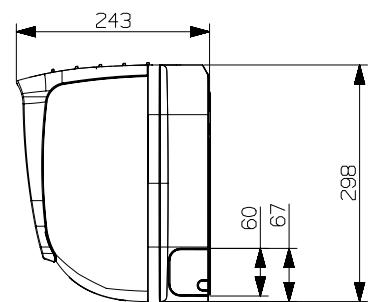
## NEW BORACAY



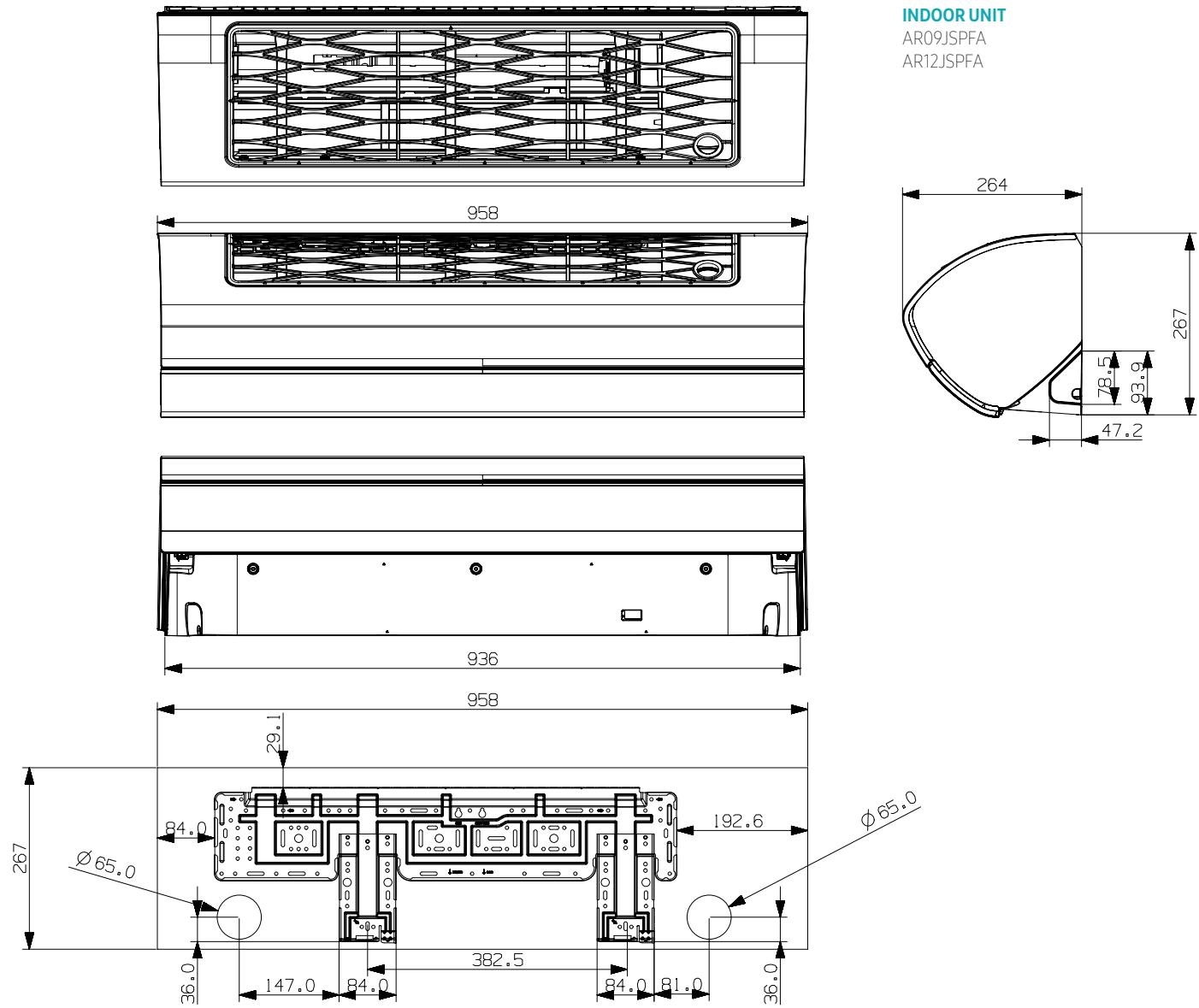
## NEW BORACAY



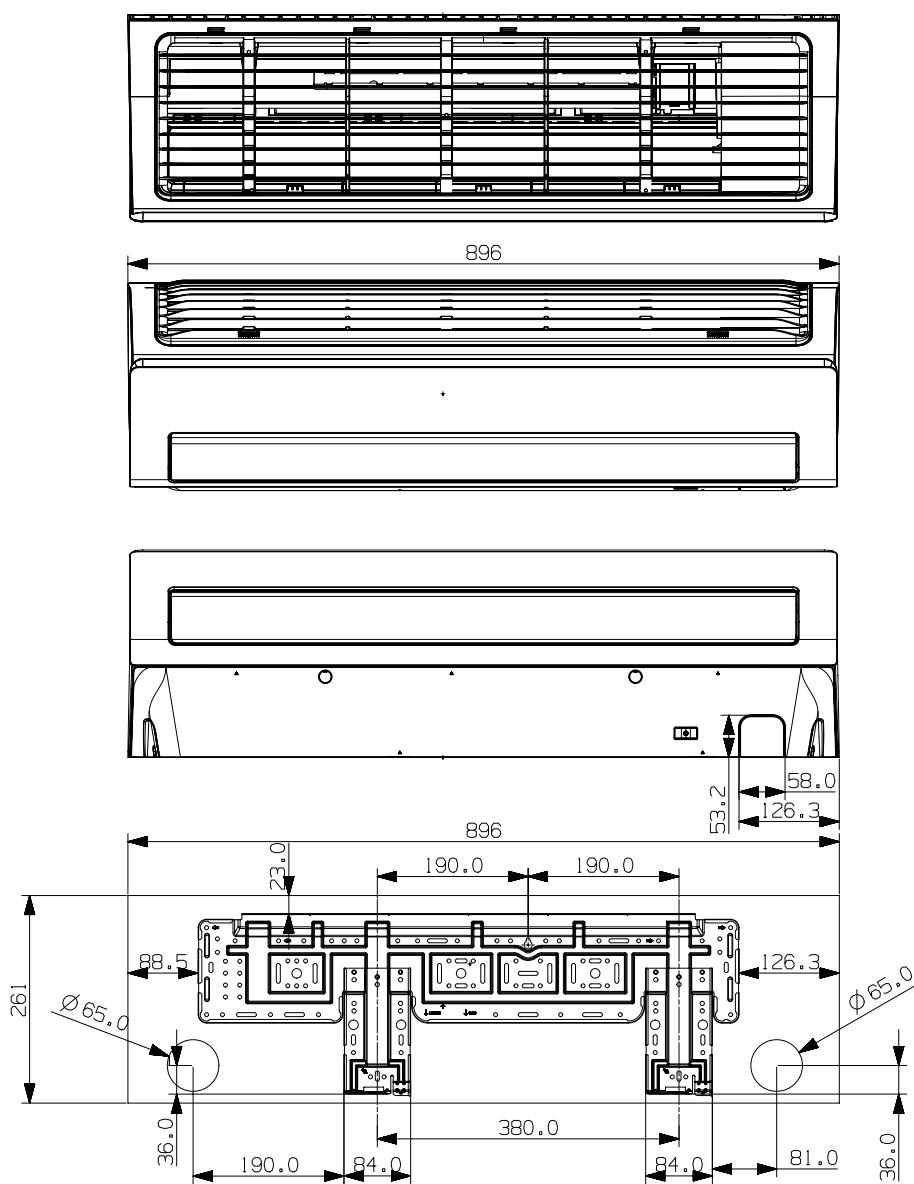
**INDOOR UNIT**  
AR18MSFHB  
AR24MSFHB



## AR9000

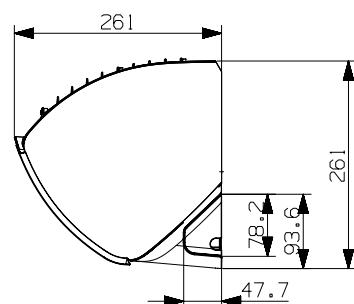


## R32 - AR5500

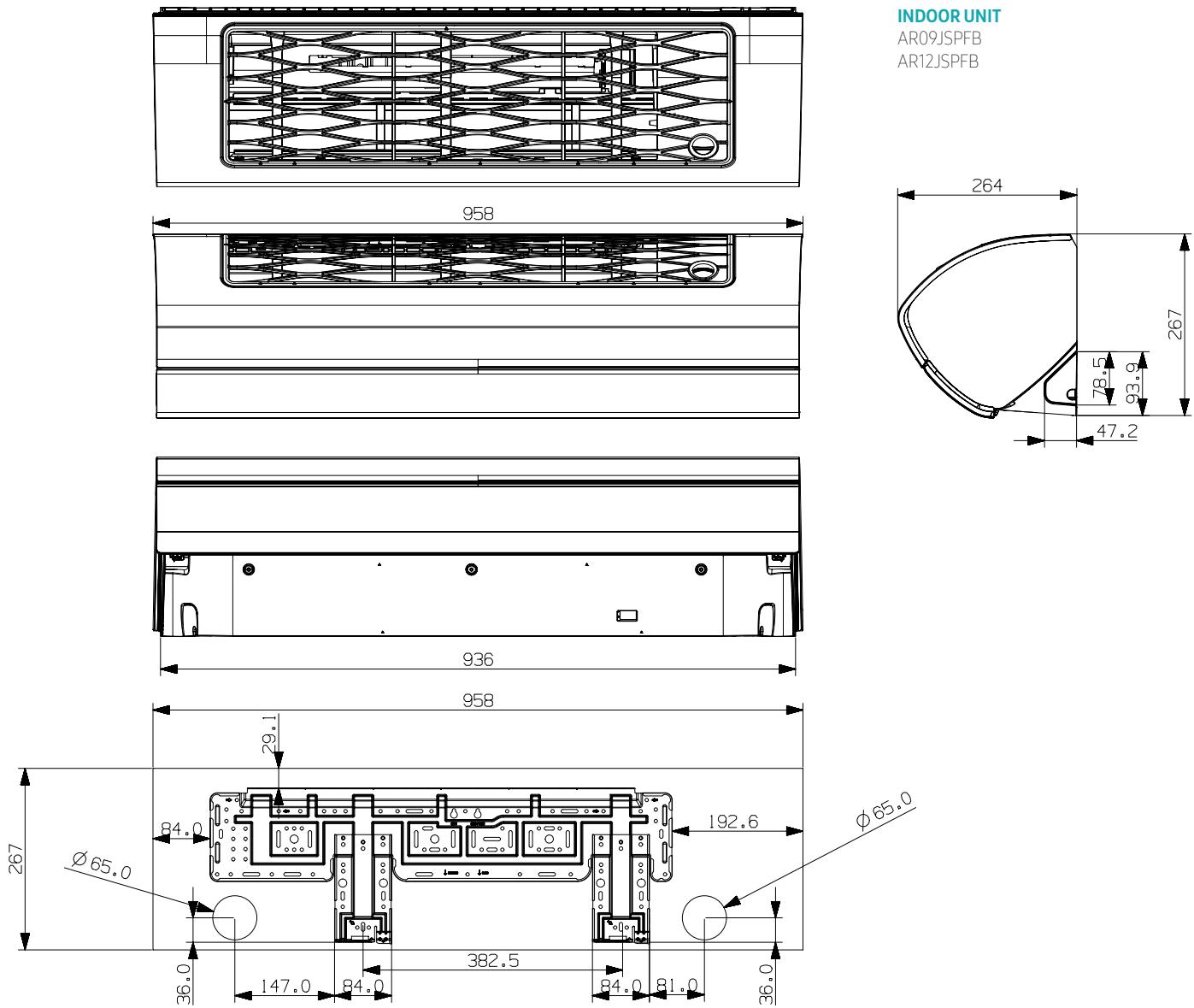


### INDOOR UNIT

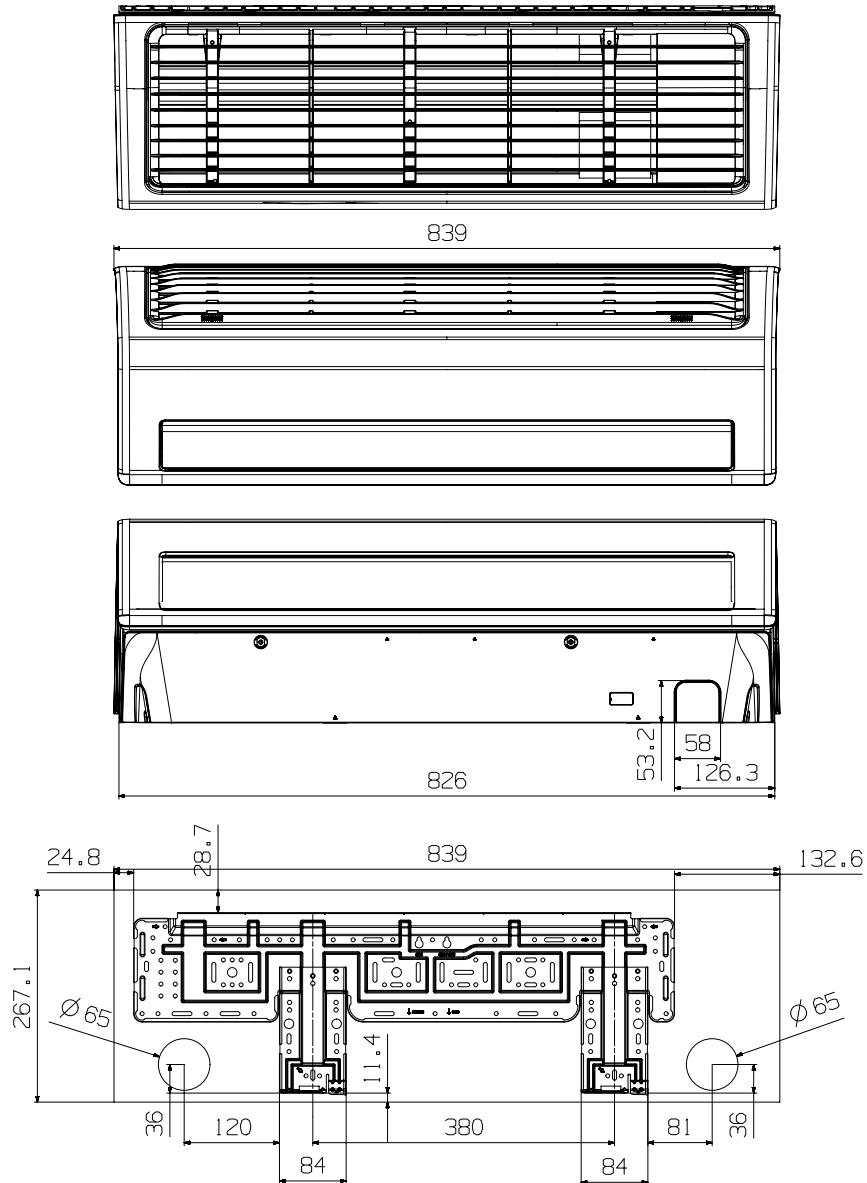
AR09MXWSA  
AR12MXWSA



## AR9000M

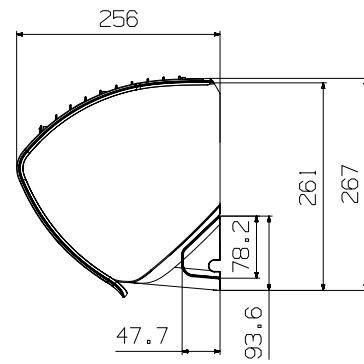


## AR7000M

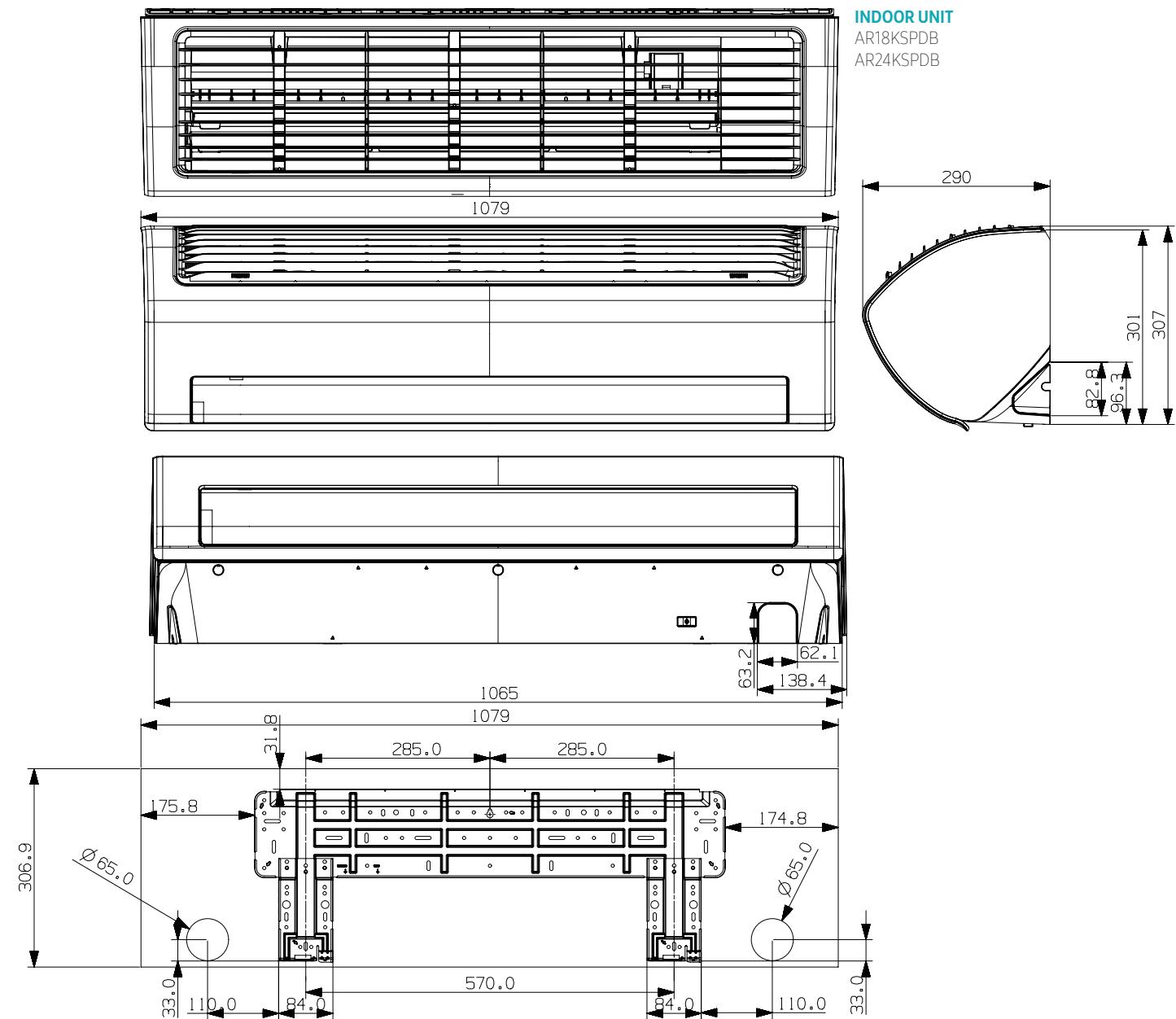


### INDOOR UNIT

AR09KSPDB  
AR12KSPDB



## AR7000M





# FJM - Free Joint Multi





## INDOOR UNIT LINE-UP





## CONSOLE

**2,6 kW**  
MH026FJEA      **3,5 kW**  
MH035FJEA      **5,2 kW**  
MH052FJEA

## 4-WAY MINI CASSETTE

**1,6 kW** AJN016NDEHA      **2,0 kW** AJN020NDEHA      **2,6 kW** AJN026NDEHA      **3,5 kW** AJN035NDEHA      **5,2 kW** AJN052NDEHA



## 1-WAY SLIM CASSETTE

**2,6 kW**  
MH026FSEA      **3,5 kW**  
MH035FSEA

## SLIM DUCT / MSP

**2,6 kW** NJ026LHXEA      **3,5 kW** NJ035LHXEA      **5,2 kW** MH052FUEA



## OUTDOOR UNIT LINE-UP



**AJ040FCJ2EH/EU**

FOR 2 INDOOR UNITS



**AJ050FCJ2EH/EU**

FOR 2 INDOOR UNITS



**AJ052FCJ3EH/EU**

FOR 3 INDOOR UNITS



**AJ068FCJ3EH/EU**

FOR 3 INDOOR UNITS



**AJ070FCJ4EH/EU**

FOR 4 INDOOR UNITS



**AJ080FCJ4EH/EU**

FOR 4 INDOOR UNITS



**AJ100FCJ5EH/EU**

FOR 5 INDOOR UNITS

## COMPATIBILITY

## FJM - Free Joint Multi



INDOOR	KW	AJ040FCJ2EH/EU	AJ050FCJ2EH/EU	AJ052FCJ3EH/EU	AJ068FCJ3EH/EU	AJ070FCJ4EH/EU	AJ080FCJ4EH/EU	AJ100FCJ5EH/EU
 <b>WIND-FREE™ PLUS</b> 	2.0	•	•	•	•	•	•	•
	2.5	•	•	•	•	•	•	•
	3.5	•	•	•	•	•	•	•
 <b>WIND-FREE™</b> 	2.0	•	•	•	•	•	•	•
	2.5	•	•	•	•	•	•	•
	3.5	•	•	•	•	•	•	•
 <b>AR5500M</b> 	2.0	•	•	•	•	•	•	•
	2.5	•	•	•	•	•	•	•
	3.5	•	•	•	•	•	•	•
	5.2		•	•	•	•	•	•
	7.1					•	•	•
 <b>NEW BORACAY</b>	2.0	•	•	•	•	•	•	•
	2.5	•	•	•	•	•	•	•
	3.5	•	•	•	•	•	•	•
	5.2	•	•	•	•	•	•	•
	7.1					•	•	•
 <b>AR9000M</b> 	2.5	•	•	•	•	•	•	•
	3.5	•	•	•	•	•	•	•
 <b>AR7000M</b> 	2.0	•	•	•	•	•	•	•
	2.5	•	•	•	•	•	•	•
	3.5	•	•	•	•	•	•	•
	5.2	•	•	•	•	•	•	•
	7.1					•	•	•
 <b>CONSOLE</b>	2.6	•	•	•	•	•	•	•
	3.5	•	•	•	•	•	•	•
	5.2	•	•	•	•	•	•	•
 <b>4-WAY MINI CASSETTE</b>	1.6		•	•	•	•	•	•
	2.0		•	•	•	•	•	•
	2.6		•	•	•	•	•	•
	3.5		•	•	•	•	•	•
	5.2				•	•	•	•
 <b>1-WAY SLIM CASSETTE</b>	2.6	•	•	•	•	•	•	•
	3.5	•	•	•	•	•	•	•
 <b>SLIM DUCT/MSP</b>	2.6		•	•	•	•	•	•
	3.5		•	•	•	•	•	•
	5.2				•	•	•	•

- AJ outdoor units are compatible with AR, AQV and MH indoor units (except from models ending in FBEA and FVEA)  
- RJ outdoor units are compatible with AR, AQV and MH indoor units  
- MH outdoor units are compatible with MH indoor units



## CONSOLE

- Possibility to be installed vertically only
- Fan with inverter engine; anti-dust filter included
- Possibility to set a dual air supply from the upper and lower grilles in the heating mode
- Integrated Virus Doctor device
- Maximum noiselessness 23 dB(A); Depth of 199 mm only
- Power supply: single-phase 220 V - 50 Hz

MODEL	MH026FJEA	MH035FJEA	MH052FJEA
EAN	8808987607609	8808987625900	8808993151769
Capacity	Cooling Heating	2.60 3.50	5.20 5.60
Connection	Liquid (Ø, mm/inches)	6.35 - 1/4"	6.35 - 1/4"
Piping	Gas (Ø, mm/inches)	9.52 - 3/8"	9.52 - 3/8"
Sound Pressure Min-Max dB(A)	23 - 28	24 - 39	25 - 44
Net Dimensions (WxHxD) (mm)	720x620x199	720x620x199	720x620x199

Wireless remote control are included in Console models



## 4-WAY MINI CASSETTE

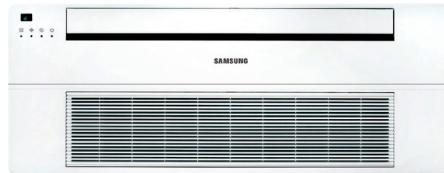
- Four-way air supply with directional flaps that can be individually adjusted
- Fan with inverter engine; pre-cut with external air inlet
- Built-in condensation drain pump (750 mmH2O); anti-bacterial filter included
- Virus Doctor device and presence sensor (optional); WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz

MODEL	AJN016NDEHA/EU	AJN020NDEHA/EU	AJN026NDEHA/EU	AJN035NDEHA/EU	AJN052NDEHA/EU
EAN	8806085041820	8806085041837	8806085041844	8806085041288	8806085041851
Capacity	Cooling Heating	1.60 2.00	2.00 2.20	2.60 2.90	3.50 3.80
Connection	Liquid (Ø, mm/inches)	6.35 - 1/4"	6.35 - 1/4"	6.35 - 1/4"	6.35 - 1/4"
Piping	Gas (Ø, mm/inches)	9.52 - 3/8"	9.52 - 3/8"	9.52 - 3/8"	9.52 - 3/8"
Sound Pressure Min-Max dB(A)	24 - 33	24 - 33	25 - 34	29 - 36	32 - 40
Net Dimensions (WxHxD) (mm)	575x250x575	575x250x575	575x250x575	575x250x575	575x250x575
Panel	Model EAN	PC4SUSMB* 8806085282698	PC4SUSMB* 8806085282698	PC4SUSMB* 8806085282698	PC4SUSMB* 8806085282698
	Net Dim. (WxHxD) (mm)	670x45x670	670x45x670	670x45x670	670x45x670
Wired Remote Controller	Model EAN	MWR-WH00** 8808993520411	MWR-WH00** 8808993520411	MWR-WH00** 8808993520411	MWR-WH00** 8808993520411
Wireless Remote Controller	Model EAN	MR-EH00** 8806086374361	MR-EH00** 8806086374361	MR-EH00** 8806086374361	MR-EH00** 8806086374361

The complete model includes: Indoor unit + Panel

\*Mandatory,

\*\*Mandatory; possibility to choose between the two devices



## 1-WAY SLIM CASSETTE

- One-way air supply with adjustable directional flap
- Tangential fan with mono-phase engine; height of 135 mm only
- Built-in condensation drain pump (750 mmH2O); anti-bacterial filter included
- Power supply: single-phase 220 V - 50 Hz

MODEL	MH026FSEA	MH035FSEA
EAN	8808993151776	8808993149964
Capacity	Cooling Heating	2.60 3.50
Connection	Liquid (Ø, mm/inches)	6.35 - 1/4"
Piping	Gas (Ø, mm/inches)	9.52 - 3/8"
Sound Pressure Min-Max dB(A)	25 - 30	27 - 32
Net Dimensions (WxHxD) (mm)	970x135x410	970x135x410
Panel	Model EAN Net Dim. (WxHxD) (mm)	PSSMA* 8808987648114 1180x25x460
Wired Remote Controller	Model EAN	MWR-WH00** 8808993520411
Wireless Remote Controller	Model EAN	MR-EH00** 8806086374361

The complete model includes: Indoor unit + Panel

\*Mandatory,

\*\*Mandatory, possibility to choose between the two devices



## SLIM DUCT/MSP

- Fan with inverter motor pressure adjustable up to 60Pa (only for 2.6-3.5 kW models)
- thickness of 200mm only
- Condensation drain pump 750 mmH2O (optional)
- Anti-bacterial filter included
- Power supply: single-phase 220 V - 50 Hz

MODEL	NJ026LHXA	NJ035LHXA	MH052FUEA
EAN	8806071074863	8806071074870	8808987513733
Capacity	Cooling Heating	2.60 3.50	5.20 6.0
Treated Air Max. (m³/min)	8,6	9,8	16,3
Static Pressure Min-Max (mm H₂O)	0-4	0-4	0-6
Connection	Liquid (Ø, mm/inches)	6.35 - 1/4"	6.35 - 1/4"
Piping	Gas (Ø, mm/inches)	9.52 - 3/8"	12.70 - 1/2"
Sound Pressure Min-Max dB(A)	25 - 30	27 - 32	39 - 42
Net Dimensions (WxHxD) (mm)	900x199x600	900x199x600	900x260x480
Wired Remote Controller	Model EAN	MWR-WH00 (included) 8808993520411	MWR-WH00 (included) 8808993520411
Wireless Remote Controller	Model EAN	MR-EH00* 8806086374361	MR-EH00* 8806086374361

\* To associate with wired kit (MWR-10A) + receiver (MRK-A00)

## TECHNICAL FEATURES



MODEL	AJ040FCJ2EH/EU	AJ050FCJ2EH/EU	AJ052FCJ3EH/EU	AJ068FCJ3EH/EU	AJ070FCJ4EH/EU	AJ080FCJ4EH/EU	AJ100FCJ5EH/EU	
EAN	8806085359086	8806085358287	8806085358294	8806085359093	8806085358324	8806085358300	8806085358317	
Refrigerant Type <sup>(2)</sup>	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Max Matchable Indoor Units	2	2	3	3	4	4	5	
Nominal Capacity* (Cooling/Heating)	kW	4,0 / 4,4	5,0 / 5,7	5,2 / 6,3	6,8 / 8,0	7,0 / 8,6	8,0 / 9,3	10 / 12
Sound Pressure (Max)	dB(A)	45	46	46	48	48	49	54
Sound Power (Max)	dB(A)	61	61	61	63	63	63	70
Operating Range	Cooling	°C	-5°~46°	-5°~46°	-5°~46°	-5°~46°	-5°~46°	-10°~46°
	Heating	°C	-15°~24°	-15°~24°	-15°~24°	-15°~24°	-15°~24°	-15°~24°
Power Supply	V/Hz/f	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Outdoor Unit (Dimensions WxHxD)	mm	790x545x285	790x545x285	880x638x310	880x798x310	880x798x310	880x798x310	940x998x330
Outdoor Unit (Weight)	kg	37	40	49	57	65	65	74,5
Connection Piping	Liquid	Ømm (inch)	2x6.35 (1/4")	2x6.35 (1/4")	3x6.35 (1/4")	3x6.35 (1/4")	4x6.35 (1/4")	5x6.35 (1/4")
	Gas	Ømm (inch)	2x9.52 (3/8") + 12.70 (1/2")	9.52 (3/8") + 12.70 (1/2")	2x9.52 (3/8") + 12.70 (1/2")	9.52 (3/8") + 2x12.70 (1/2")	2x9.52 (3/8") + 2x12.70 (1/2")	3x12.70 (1/2") + 15.88 (5/8") + 3x12.70 (1/2")
Piping Length	Max per unit	m	20	20	20	20	25	25
	Min per unit**	m	3	3	3	3	3	3
	Max	m	30	30	50	50	70	70
	Max (without adding refrigerant)	m	15	20	30	30	40	40
Max Elevation Gap	Indoor/Outdoor Unit	m	15	15	15	15	15	15
	Indoor/Outdoor Unit	m	7,5	7,5	7,5	7,5	7,5	7,5
Refrigerant Charge	g	1300	1600	2200	2200	2800	2800	3300
Additional Refrigerant Charge	g	10	20	10	10	10	10	20

\* Test conditions (cooling): indoor air temperature at 27°C (dry bulb) / 19°C (wet bulb); outdoor air temperature 35°C (dry bulb) / 24°C (wet bulb)

\*\* Test conditions (heating): indoor air temperature at 20°C (dry bulb) / 15°C (wet bulb); outdoor air temperature at 7°C (dry bulb) / 6°C (wet bulb)

2) Samsung air conditioners contain fluorinated greenhouse gases R410A. GWP = 2088

## COMBINATIONS

## FJM - Free Joint Multi



Outdoor Unit	Indoor Unit		Cooling Capacity (W)			Capacity (W)			Absorption (W)			Current (A)			Nom. Cooling Efficiency at 35°C/27°C	SEER and Energy Efficiency Class		Qce
	A	B	A	B	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	EER	Class	SEER		
AJ040FCJ2EH	2 Units	7	7	2000	2000	1250	4000	4500	300	1180	1330	1,7	5,4	6,1	3,39	A++	6,11	229
		7	9	1780	2220	1300	4000	4500	350	1180	1330	1,9	5,4	6,1	3,39	A++	6,11	229
		7	12	1450	2550	1300	4000	4500	350	1180	1330	1,9	5,4	6,1	3,39	A++	6,11	229
		9	9	2000	2000	1300	4000	4500	350	1180	1330	1,9	5,4	6,1	3,39	A++	6,11	229
		9	12	1670	2330	1300	4000	4500	350	1020	1330	1,9	4,7	6,1	3,92	A++	6,12	229

Outdoor Unit	Indoor Unit		Cooling Capacity (W)			Capacity (W)			Absorption (W)			Current (A)			Nom. Heating Efficiency at 7°C/20°C	SCOP and Energy Efficiency Class		Qhe
	A	B	A	B	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	COP	Class	SCOP		
AJ040FCJ2EH	2 Units	7	7	2200	2200	1000	4400	4700	280	1160	1390	1,4	5,3	6,4	3,79	A+	4,00	1068
		7	9	1760	2640	1000	4400	4700	280	1160	1400	1,4	5,3	6,4	3,79	A+	4,00	1068
		7	12	1560	2840	1000	4400	4700	280	1160	1400	1,4	5,3	6,4	3,79	A+	4,00	1068
		9	9	2200	2200	1000	4400	4700	280	1160	1400	1,4	5,3	6,4	3,79	A+	4,00	1068
		9	12	1990	2410	1000	4400	4700	280	990	1400	1,4	4,5	6,4	4,44	A	3,90	1095

Outdoor Unit	Indoor Unit		Cooling Capacity (W)			Capacity (W)			Absorption (W)			Current (A)			Nom. Cooling Efficiency at 35°C/27°C	SEER and Energy Efficiency Class		Qce
	A	B	A	B	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	EER	Class	SEER		
AJ050FCJ2EH	2 Units	7	7	2000	2000	1300	4000	4800	350	1245	1490	1,9	5,7	6,8	3,21	A+	6,07	231
		7	9	2040	2560	1300	4600	5200	350	1430	1720	1,9	6,5	7,9	3,22	A+	6,05	266
		7	12	1820	3180	1400	5000	5400	350	1490	1780	1,9	6,8	8,1	3,36	A++	6,21	282
		7	18	1430	3570	1400	5000	5400	350	1450	1800	1,9	6,6	8,2	3,45	A++	6,23	281
		9	9	2500	2500	1400	5000	5400	350	1500	1780	1,9	6,9	8,1	3,33	A++	6,29	278
		9	12	2080	2920	1400	5000	5400	350	1500	1780	1,9	6,9	8,1	3,33	A++	6,24	281
		9	18	1670	3330	1400	5000	5400	350	1450	1700	1,9	6,6	7,8	3,45	A++	6,23	281
		12	12	2500	2500	1400	5000	5400	350	1500	1780	1,9	6,9	8,1	3,33	A++	6,24	281
		12	18	2060	2940	1400	5000	5400	350	1320	1700	1,9	6,0	7,8	3,79	A++	6,30	278

Outdoor Unit	Indoor Unit		Cooling Capacity (W)			Capacity (W)			Absorption (W)			Current (A)			Nom. Heating Efficiency at 7°C/20°C	SCOP and Energy Efficiency Class		Qhe
	A	B	A	B	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	COP	Class	SCOP		
AJ050FCJ2EH	2 Units	7	7	2200	2200	1100	4400	4750	280	1220	1390	1,4	5,6	6,4	3,61	A+	4,00	1068
		7	9	2040	3060	1100	5100	5460	280	1410	1610	1,4	6,5	7,4	3,62	A+	4,00	1471
		7	12	2020	3680	1100	5700	6300	280	1520	1900	1,4	7,0	8,7	3,75	A+	4,00	1471
		7	18	1530	4170	1100	5700	6400	280	1440	1800	1,4	6,6	8,2	3,96	A	3,95	1489
		9	9	2850	2850	1100	5700	6300	208	1550	1940	1,4	7,1	8,9	3,68	A+	4,01	1470
		9	12	2580	3120	1100	5700	6300	280	1550	1850	1,4	7,1	8,5	3,68	A+	4,01	1470
		9	18	2020	3680	1100	5700	6400	280	1440	1750	1,4	6,6	8,0	3,96	A	3,95	1489
		12	12	2850	2850	1100	5700	6300	280	1470	1840	1,4	6,7	8,4	3,88	A	3,96	1489
		12	18	2280	3420	1100	5700	6400	280	1350	1750	1,4	6,2	8,0	4,22	A	3,95	1489

EER and COP data is declared only for tax deductions in force when this catalogue was published.  
Data is referred to combinations with indoor units of the AR7000M series - Absorption data includes the indoor unit absorption.  
Qce - Indicative annual energy consumption (QCE cooling season) - Qhe Indicative annual energy consumption (QHE heating season).

## COMBINATIONS

Outdoor Unit	Indoor Uni			Cooling Capacity (W)			Capacity (W)			Absorption (W)			Current (A)			Nom. Cooling Efficiency at 35°C/27°C		SEER and Energy Efficiency Class		Qce	
	A	B	C	A	B	C	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	EER	Class	SEER	kWh		
AJ052FCJ3EH	2 Units	7	7	2000	2000		1300	4000	4800	440	1240	1630	2,3	5,7	7,5	3,23	A+	6,08	230		
		7	9	2040	2560		1300	4600	5520	440	1410	1850	2,3	6,5	8,5	3,26	A+	6,06	266		
		7	12	1820	3180		1300	5000	6290	450	1520	2000	2,3	7,0	9,2	3,29	A++	6,12	286		
		7	18	1490	3710		1380	5200	6600	450	1540	2040	2,3	7,0	9,3	3,38	A+	5,94	306		
		9	9	2500	2500		1300	5000	5800	440	1550	1980	2,3	7,1	9,1	3,23	A++	6,11	286		
		9	12	2080	2920		1300	5000	6400	450	1510	2020	2,3	6,9	9,2	3,31	A++	6,13	286		
	3 Units	9	18	1730	3470		1380	5200	6800	450	1540	2070	2,3	7,0	9,5	3,38	A+	5,94	606		
		12	12	2600	2600		1300	5200	6560	450	1540	2040	2,3	7,0	9,3	3,38	A+	5,94	306		
		7	7	1730	1730	1740	1700	5200	6380	450	1500	2020	2,3	6,9	9,2	3,47	A+	5,78	315		
		7	7	9	1600	1600	2000	1700	5200	6490	450	1530	2040	2,3	7,0	9,3	3,40	A+	5,77	315	
		7	7	12	1390	1390	2420	1700	5200	6800	460	1420	2070	2,4	6,5	9,5	3,66	A+	5,81	313	
		7	9	9	1480	1860	1860	1700	5200	6600	450	1390	2040	2,3	6,4	9,3	3,74	A+	5,84	312	
		7	9	12	1300	1630	2270	1700	5200	6800	460	1420	2070	2,4	6,5	9,5	3,66	A+	5,81	313	
		9	9	9	1730	1730	1740	1700	5200	6800	460	1350	2070	2,4	6,2	9,5	3,85	A+	5,84	312	
		9	9	12	1530	1530	2140	1700	5200	6800	460	1380	2070	2,4	6,5	9,5	3,77	A++	6,10	298	

Outdoor Unit	Indoor Uni			Cooling Capacity (W)			Capacity (W)			Absorption (W)			Current (A)			Nom. Heating Efficiency at 7°C/20°C		SCOP and Energy Efficiency Class		Qhe	
	A	B	C	A	B	C	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	COP	Class	SCOP	kWh		
AJ052FCJ3EH	2 Units	7	7	2200	2200		1400	4400	5060	350	1220	1510	1,9	5,6	6,9	3,61	A+	4,00	1068		
		7	9	2040	3060		1400	5100	5870	350	1410	1830	1,9	6,5	8,4	3,62	A	3,95	1489		
		7	12	1990	3610		1400	5600	6440	350	1540	1860	1,9	7,0	8,5	3,64	A	3,96	1736		
		7	18	1610	4390		1400	6000	6900	350	1660	1860	1,9	7,6	8,5	3,61	A	3,93	1747		
		9	9	2900	2900		1400	5800	6300	350	1600	1910	1,9	7,3	8,7	3,63	A+	4,00	1715		
		9	12	2620	3180		1400	5800	6300	350	1600	1910	1,9	7,3	8,7	3,63	A	3,96	1736		
	3 Units	9	18	2240	4060		1400	6300	7300	350	1740	1830	1,9	8,0	8,4	3,62	A	3,93	1747		
		12	12	2950	2950		1400	5900	6880	350	1630	1860	1,9	7,5	8,5	3,62	A	3,93	1747		
		7	7	7	1930	1930	1940	1400	5800	6760	350	1590	1840	1,9	7,3	8,4	3,65	A	3,90	1761	
		7	7	9	1690	1690	2520	1400	5900	6840	350	1650	1840	1,9	7,6	8,4	3,58	A	3,90	1761	
		7	7	12	1650	1650	3000	1400	6300	7300	350	1660	1830	1,9	7,6	8,4	3,80	A	3,90	1761	
		7	9	9	1500	2250	2250	1400	6000	6920	350	1590	1840	1,9	7,3	8,4	3,77	A	3,90	1761	
		7	9	12	1460	2190	2650	1400	6300	7300	350	1630	1830	1,9	7,5	8,4	3,87	A	3,90	1761	
		9	9	9	2100	2100	2100	1400	6300	7300	350	1400	1830	1,9	6,4	8,4	4,50	A	3,90	1761	
		9	9	12	1850	1850	2600	1400	6300	7300	350	1400	1830	1,9	6,4	8,4	4,50	A+	4,10	1676	



Outdoor Unit	Indoor Uni			Cooling Capacity (W)			Capacity (W)			Absorption (W)			Current (A)			Nom. Cooling Efficiency at 35°C/27°C	SEER and Energy Efficiency Class		Qce
	A	B	C	A	B	C	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	EER	Class	SEER	
2 Units	7	7	2000	2000	1300	4000	4800	420	1240	1480	2,3	5,7	6,8	3,23	A+	5,96	235		
	7	9	2000	2500	1300	4500	5520	420	1410	1680	2,3	6,5	7,7	3,19	A+	5,88	268		
	7	12	2000	3500	1300	5500	6550	420	1830	2470	2,3	8,4	11,3	3,01	A+	5,66	340		
	7	18	1860	4640	1300	6500	7740	420	2000	2690	2,3	9,2	12,3	3,25	A+	6,04	377		
	9	9	2500	2500	1300	5000	5950	420	1660	2260	2,3	7,6	10,3	3,01	A+	5,95	294		
	9	12	2500	3500	1300	6000	7140	420	1980	2670	2,3	9,1	12,2	3,03	A+	5,79	363		
	9	18	2270	4530	1380	6800	8090	430	2090	2660	2,3	9,6	12,2	3,25	A+	6,07	392		
	12	12	3250	3250	1300	6500	7740	420	2010	2700	2,3	9,2	12,4	3,23	A+	6,04	377		
	12	18	2800	4000	1380	6800	8090	430	2100	2670	2,3	9,6	12,2	3,24	A+	6,04	394		
A1068FCJ13EH	18	18	3400	3400	1380	6800	8090	430	2060	2660	2,3	9,4	12,2	3,30	A+	6,06	393		
	7	7	7	2000	2000	1800	6000	7400	440	1970	2650	2,3	9,0	12,1	3,05	A+	6,00	350	
	7	7	9	2000	2000	2500	1800	6500	8000	440	2000	2690	2,3	9,2	12,3	3,25	A++	6,11	372
	7	7	12	1810	1810	3180	1800	6800	8400	440	2070	2700	2,3	9,5	12,4	3,29	A+	6,07	392
	7	7	18	1510	1510	3780	1800	6800	8400	440	2000	2690	2,3	9,2	12,3	3,40	A+	6,09	391
	7	9	9	1860	2320	2320	1800	6500	8000	440	2030	2690	2,3	9,3	12,3	3,20	A++	6,10	373
	7	9	12	1700	2130	2970	1800	6800	8400	440	2090	2690	2,3	9,6	12,3	3,25	A+	6,06	393
	7	9	18	1430	1790	3580	1800	6800	8400	440	2010	2690	2,3	9,2	12,3	3,38	A+	6,08	391
	7	12	12	1520	2640	2640	1800	6800	8400	440	2010	2700	2,3	9,2	12,4	3,38	A+	6,08	391
	7	12	18	1300	2270	3230	1800	6800	8400	440	2050	2700	2,3	9,4	12,4	3,52	A+	6,07	392
	9	9	9	2260	2270	2270	1800	6800	8400	440	2060	2690	2,3	9,4	12,3	3,30	A+	6,07	392
	9	9	12	2000	2000	2800	1800	6800	8400	440	2130	2700	2,3	9,7	12,4	3,19	A+	6,05	394
	9	9	18	1700	1700	3400	1800	6800	8400	440	2030	2690	2,3	9,3	12,3	3,35	A+	6,08	392
	9	12	12	1780	2510	2510	1800	6800	8400	440	2020	2700	2,3	9,2	12,4	3,37	A+	6,08	391
	9	12	18	1550	2160	3090	1800	6800	8400	440	2070	2700	2,3	9,5	12,4	3,29	A+	6,07	392
	12	12	12	2260	2270	2270	1800	6800	8400	440	2000	2710	2,3	9,2	12,4	3,40	A+	6,09	391

EER and COP data is declared only for tax deductions in force when this catalogue was published.  
Data is referred to combinations with indoor units of the AR7000M series.  
Absorption data includes the indoor unit absorption.  
Qce - Indicative annual energy consumption (QCE cooling season).  
Qhe - Indicative annual energy consumption (QHE heating season).

## COMBINATIONS

Outdoor Unit	Indoor Unit			Cooling Capacity (W)			Capacity (W)			Absorption (W)			Current (A)			Nom. Heating Efficiency at 7°C/20°C	SCOP and Energy Efficiency Class		Qhe
	A	B	C	A	B	C	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	COP	Class	SCOP	
2 Units	7	7	2200	2200	1400	4400	5060	380	1220	1600	1,9	5,6	7,3	3,61	A+	4,00	1068	A1068FCU3EH	
	7	9	2200	3300	1400	5500	6330	380	1490	2000	1,9	6,8	9,2	3,69	A	3,95	1489		
	7	12	2200	4000	1400	6200	7130	380	1670	2300	1,9	7,6	10,5	3,71	A	3,96	1736		
	7	18	2090	5710	1400	7800	8970	380	1990	2700	1,9	9,1	12,4	3,92	A+	4,02	1969		
	9	9	3300	3300	1400	6600	7590	380	1890	2600	1,9	8,6	11,9	3,49	A+	4,00	1715		
	9	12	3300	4000	1400	7300	8400	380	1950	2600	1,9	8,9	11,9	3,74	A	3,96	1736		
	9	18	2770	5030	1400	7800	8970	380	2040	2800	1,9	9,3	12,8	3,82	A+	4,02	1969		
	12	12	3900	3900	1400	7800	8970	380	1990	2700	1,9	9,1	12,4	3,92	A+	4,02	1969		
	12	18	3200	4800	1400	8000	9200	380	2090	2800	1,9	9,6	12,8	3,83	A+	4,02	1971		
	18	18	4000	4000	1400	8000	9200	380	2080	2800	1,9	9,5	12,8	3,85	A+	4,02	1971		
3 Units	7	7	7	2200	2200	1400	6600	8100	380	1760	2400	1,9	8,1	11,0	3,75	A	3,93	2012	A1068FCU3EH
	7	7	9	2200	3300	1400	7700	9500	380	1830	2500	1,9	8,4	11,4	4,21	A	3,93	2012	
	7	7	12	2100	2100	3800	1400	8000	9800	380	1920	2600	1,9	8,8	11,9	4,17	A	3,95	2002
	7	7	18	1690	1690	4620	1400	8000	9800	380	1960	2600	1,9	9,0	11,9	4,08	A	3,95	2002
	7	9	9	2000	3000	3000	1400	8000	9800	380	1880	2500	1,9	8,6	11,4	4,26	A+	4,00	1976
	7	9	12	1850	2780	3370	1400	8000	9800	380	1910	2600	1,9	8,7	11,9	4,19	A	3,95	2002
	7	9	18	1530	2300	4170	1400	8000	9800	380	1920	2600	1,9	8,8	11,9	4,17	A	3,95	2002
	7	12	12	1720	3140	3140	1400	8000	9800	380	1960	2600	1,9	9,0	11,9	4,08	A	3,95	2002
	7	12	18	1450	2620	3930	1400	8000	9800	380	1950	2600	1,9	8,9	11,9	4,10	A	3,95	2002
	9	9	9	2660	2670	1400	8000	9800	380	1930	2600	1,9	8,8	11,9	4,15	A	3,95	2002	
	9	9	12	2490	2490	3020	1400	8000	9800	380	1910	2600	1,9	8,7	11,9	4,19	A+	4,00	1978
	9	9	18	2100	2100	3800	1400	8000	9800	380	1950	2600	1,9	8,9	11,9	4,10	A+	4,00	1978
	9	12	12	2340	2830	2830	1400	8000	9800	380	1930	2600	1,9	8,8	11,9	4,15	A	3,95	2002
	9	12	18	1980	2410	3610	1400	8000	9800	380	1980	2700	1,9	9,1	12,4	4,04	A	3,95	2002
	12	12	12	2660	2670	1400	8000	9800	380	1910	2600	1,9	8,7	11,9	4,19	A+	4,00	1978	

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Data is referred to combinations with indoor units of the AR7000M series.  
Absorption data includes the indoor unit absorption.  
Qce – Indicative annual energy consumption (QCE cooling season).  
Qhe - Indicative annual energy consumption (QHE heating season).



Outdoor Unit	Indoor Unit				Cooling Capacity (W)				Capacity (W)			Absorption (W)			Current (A)			Effic. NOM. Cooling. At 35°C/27°C	SEER e Classe di efficienza		Qce
	A	B	C	D	A	B	C	D	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	EER	Class	SEER	
	A	B	C	D	A	B	C	D	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX				kWh
AJ070FCJ4EH 2 Units	7	7			2000	2000			1500	4000	4800	410	1240	1490	1,9	5,7	6,8	3,23	A+	5,86	239
	7	9			2040	2560			1690	4600	5520	420	1430	1720	1,9	6,5	7,9	3,22	A+	5,86	275
	7	12			2000	3500			1770	5500	6600	430	1710	2050	2	7,8	9,4	3,22	A+	5,63	342
	7	18			2000	5000			1900	7000	8400	580	2180	2520	2,7	10,0	11,5	3,21	A	5,38	455
	9	9			2600	2600			1750	5200	6240	420	1660	2000	1,9	7,6	9,2	3,13	A+	5,92	307
	9	12			2540	3560			1820	6100	7320	440	1880	2260	2	8,6	10,3	3,24	A+	5,80	368
	9	18			2330	4670			1900	7000	8400	580	2180	2540	2,7	10,0	11,6	3,21	A	5,43	451
	12	12			3500	3500			1900	7000	8000	580	2490	2620	2,7	11,4	12,0	2,81	A	5,30	462
	12	18			2880	4120			1900	7000	8900	580	2110	2540	2,7	9,7	11,6	3,32	A	5,43	452
	18	18			3500	3500			1900	7000	8900	580	2000	2540	2,7	9,2	11,6	3,50	A	5,43	451
AJ070FCJ4EH 3 Units	7	7	7		2000	2000	2000		1810	6000	7200	440	1800	2280	2	8,2	10,4	3,33	A	5,43	387
	7	7	9		2030	2030	2540		1870	6600	7920	440	1830	2460	2	8,4	11,3	3,61	A	5,59	413
	7	7	12		1780	1780	3120		1900	6680	8020	580	1835	2410	2,7	8,4	11,0	3,64	A	5,31	441
	7	7	18		1560	1560	3880		1900	7000	8900	580	1850	2460	2,7	8,5	11,3	3,78	A+	5,62	436
	7	9	9		1910	2370	2370		1900	6650	7980	580	1830	2410	2,7	8,4	11,0	3,63	A+	5,60	415
	7	9	12		1690	2110	2940		1900	6740	8080	580	1840	2460	2,7	8,4	11,3	3,66	A	5,32	444
	7	9	18		1480	1840	3680		1900	7000	8900	580	1880	2460	2,7	8,6	11,3	3,72	A+	5,61	437
	7	12	12		1520	2650	2650		1900	6820	8180	580	1850	2510	2,7	8,5	11,5	3,69	A	5,58	428
	7	12	18		1340	2330	3330		1900	7000	8900	580	1930	2510	2,7	8,8	11,5	3,63	A	5,59	438
	9	9	9		2240	2240	2240		1900	6720	8050	580	1840	2420	2,7	8,4	11,1	3,65	A	5,31	443
	9	9	12		2000	2000	2790		1900	6790	8150	580	1850	2460	2,7	8,5	11,3	3,67	A	5,32	446
	9	9	18		1750	1750	3500		1900	7000	8900	580	1880	2510	2,7	8,6	11,5	3,72	A+	5,61	437
	9	12	12		1840	2580	2580		1900	7000	8900	580	1880	2460	2,7	8,6	11,3	3,72	A+	5,61	437
	12	12	12		2330	2330	2330		1900	6990	8900	580	1900	2510	2,7	8,7	11,5	3,68	A+	5,60	437
4 Units	7	7	7	7	1680	1680	1680	1680	1900	6720	8070	580	1850	2460	2,7	8,5	11,3	3,63	A	5,56	423
	7	7	7	9	1600	1600	1600	1980	1900	6780	8140	580	1880	2460	2,7	8,6	11,3	3,61	A	5,56	427
	7	7	7	12	1470	1470	1470	2590	1900	7000	8900	580	1900	2460	2,7	8,7	11,3	3,68	A+	5,60	437
	7	7	9	9	1560	1560	1940	1940	1900	7000	8900	580	1880	2460	2,7	8,6	11,3	3,72	A+	5,61	437
	7	7	9	12	1400	1400	1750	2450	1900	7000	8900	580	1900	2510	2,7	8,7	11,5	3,68	A+	5,60	437
	7	9	9	9	1480	1840	1840	1840	1900	7000	8900	580	1900	2460	2,7	8,7	11,3	3,68	A+	5,60	437
	7	9	9	12	1330	1670	1670	2330	1900	7000	8900	580	1930	2550	2,7	8,8	11,7	3,63	A	5,59	438
	9	9	9	9	1750	1750	1750	1750	1900	7000	8900	580	1900	2550	2,7	8,7	11,7	3,68	A+	5,60	437

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Data is referred to combinations with indoor units of the AR7000M series.

Absorption data includes the indoor unit absorption.

Qce - Indicative annual energy consumption (QCE cooling season).

Qhe - Indicative annual energy consumption (QHE heating season).

## COMBINATIONS

Outdoor Unit	Indoor Unit				Cooling Capacity (W)				Capacity (W)			Absorption (W)			Current (A)			Nom. Heating Efficiency at 7°C/20°C	SCOP and Energy Efficiency Class		Qhe
	A	B	C	D	A	B	C	D	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	COP	Class	SCOP	
AJ070FCJ4EH	7	7	2200	2200	1980	4400	5060	600	1220	1530	2,7	5,6	7,0	3,61	A+	4,00	1068	2 Units			
	7	9	2040	3060	2040	5100	5870	610	1410	1700	2,8	6,5	7,8	3,62	A	3,95	1489				
	7	12	2130	3870	2110	6000	6900	610	1760	2110	2,8	8,1	9,7	3,41	A	3,96	1736				
	7	18	2090	5710	2200	7800	9130	620	2160	2700	2,8	9,9	12,4	3,61	A	3,80	2164				
	9	9	2900	2900	2100	5800	6670	610	1600	1930	2,8	7,3	8,8	3,63	A+	4,00	1715				
	9	12	3030	3670	2170	6700	8040	610	1940	2330	2,8	8,9	10,7	3,45	A	3,96	1736				
	9	18	2770	5030	2200	7800	9600	620	2160	2650	2,8	9,9	12,1	3,61	A	3,80	2164				
	12	12	3800	3800	2200	7600	9120	620	2180	2510	2,8	10,0	11,5	3,49	A	3,80	2164				
	12	18	3250	4870	2200	8120	9740	620	2250	2700	2,8	10,3	12,4	3,61	A	3,80	2164				
	18	18	4250	4250	2200	8500	10200	620	2250	2740	2,8	10,3	12,5	3,78	A	3,80	2164				
AJ070FCJ4EH	7	7	2200	2200	2170	6600	7590	610	1830	2530	2,8	8,4	11,6	3,61	A	3,93	2012	3 Units			
	7	7	2090	2090	2200	7300	8400	620	1880	2590	2,8	8,6	11,9	3,88	A	3,80	2164				
	7	7	2150	2150	2200	8200	9590	620	1930	2660	2,8	8,8	12,2	4,25	A	3,80	2164				
	7	7	1820	1820	2200	8600	10300	620	1960	2700	2,8	9,0	12,4	4,39	A	3,80	2164				
	7	9	2000	3000	2200	8000	9360	620	1900	2620	2,8	8,7	12,0	4,21	A	3,80	2164				
	7	9	1910	2870	2200	8260	9670	620	1930	2660	2,8	8,8	12,2	4,28	A	3,80	2164				
	7	9	18	1650	2200	8600	10300	620	1970	2720	2,8	9,0	12,4	4,37	A	3,80	2164				
	7	12	18	1800	2200	8340	9760	620	1950	2690	2,8	8,9	12,3	4,28	A	3,80	2164				
	7	12	18	1550	2200	8600	10300	620	2000	2760	2,8	9,2	12,6	4,30	A	3,80	2164				
	9	9	9	2750	2750	2200	8250	9650	620	1930	2660	2,8	8,8	12,2	4,27	A	3,80	2164			
AJ070FCJ4EH	9	9	12	2600	2600	2200	8330	9740	620	1950	2690	2,8	8,9	12,3	4,27	A	3,80	2164	4 Units		
	9	9	18	2250	2250	2200	8600	10300	620	1980	2730	2,8	9,1	12,5	4,34	A	3,80	2164			
	9	12	12	2520	3040	2200	8600	10300	620	1980	2730	2,8	9,1	12,5	4,34	A	3,80	2164			
	12	12	12	2860	2870	2200	8600	10300	620	2000	2760	2,8	9,2	12,6	4,30	A	3,80	2164			
	7	7	7	2060	2060	2060	2070	2200	8250	9660	620	1930	2660	2,8	8,8	12,2	4,27	A	3,83	2148	
	7	7	7	1850	1850	1850	2770	2200	8320	9730	620	1950	2690	2,8	8,9	12,3	4,27	A	3,83	2148	
	7	7	7	1790	1790	1790	3230	2200	8600	10300	620	2000	2760	2,8	9,2	12,6	4,30	A	3,83	2148	
	7	7	9	1720	1720	2580	2580	2200	8600	10300	620	1970	2720	2,8	9,0	12,4	4,37	A	3,83	2148	
	7	7	9	1620	1620	2430	2930	2200	8600	10300	620	2000	2760	2,8	9,2	12,6	4,30	A	3,83	2148	
	7	9	9	1550	2350	2350	2350	2200	8600	10300	620	2000	2760	2,8	9,2	12,6	4,30	A	3,83	2148	
	7	9	9	1480	2220	2220	2680	2200	8600	10300	620	2000	2760	2,8	9,2	12,6	4,30	A	3,83	2148	
	9	9	9	2150	2150	2150	2150	2200	8600	10300	620	2000	2760	2,8	9,2	12,6	4,30	A	3,83	2148	

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Data is referred to combinations with indoor units of the AR7000M series.  
Absorption data includes the indoor unit absorption.  
Qce – Indicative annual energy consumption (QCE cooling season).  
Qhe - Indicative annual energy consumption (QHE heating season).



Outdoor Unit	Indoor Unit				Cooling Capacity (W)				Capacity (W)			Absorption (W)			Current (A)			Effic. NOM. Cooling. At 35°C/27°C	SEER e Classe di efficienza		Qce		
	A	B	C	D	A	B	C	D	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	EER	Class	SEER			
2 Units	7	7	2000	2000	1640	4000	4800	410	1240	1490	1,9	5,7	6,8	3,23	A+	5,86	239						
	7	9	2040	2560	1690	4600	5520	420	1430	1720	1,9	6,5	7,9	3,22	A+	5,86	275						
	7	12	2000	3500	1770	5500	6600	430	1710	2050	2	7,8	9,4	3,22	A+	5,63	342						
	7	18	2060	5140	1900	7200	8640	580	2240	2690	2,7	10,3	12,3	3,21	A	5,40	466						
	7	24	1690	5760	1900	7450	8640	580	2350	2730	2,7	10,8	12,5	3,17	A	5,26	496						
	9	9	2600	2600	1750	5200	6240	420	1660	2000	1,9	7,6	9,2	3,13	A+	5,92	307						
	9	12	2540	3560	1820	6100	7320	440	1900	2260	2	8,7	10,3	3,21	A+	5,79	369						
	9	18	2400	4800	1900	7200	8640	580	2240	2690	2,7	10,3	12,3	3,21	A	5,40	466						
	9	24	2030	5520	1900	7550	8760	580	2380	2760	2,7	10,9	12,6	3,17	A	5,24	504						
	12	12	3500	3500	1900	7000	8000	580	2490	2620	2,7	11,4	12,0	2,81	A	5,30	462						
	12	18	3030	4320	1900	7350	8820	580	2290	2750	2,7	10,5	12,6	3,21	A	5,42	475						
	12	24	2620	5080	1900	7700	8930	580	2400	2780	2,7	11,0	12,7	3,21	A	5,22	516						
	18	18	3830	3830	1900	7660	9180	580	2380	2860	2,7	10,9	13,1	3,22	A	5,22	513						
	18	24	3310	4490	1900	7800	8970	580	2430	2820	2,7	11,1	12,9	3,21	A	5,23	522						
3 Units	7	7	7	2000	2000	2000	1810	6000	7200	440	1850	2310	2	8,5	10,6	3,24	A	5,36	392				
	7	7	9	2030	2030	2540	1870	6600	7920	440	2000	2500	2	9,2	11,4	3,30	A	5,54	417				
	7	7	12	1920	1920	3360	1900	7200	9000	580	2290	2780	2,7	10,5	12,7	3,14	A	5,27	478				
	7	7	18	1680	1680	4190	1900	7550	9180	580	2260	2730	2,7	10,3	12,5	3,34	A	5,34	495				
	7	7	24	1480	1480	5040	1900	8000	9300	580	2340	2870	2,7	10,7	13,1	3,42	A	5,39	519				
	7	9	9	2000	2500	2500	1900	7000	8640	580	2220	2680	2,7	10,2	12,3	3,15	A	5,21	470				
	7	9	12	1830	2280	3200	1900	7310	9060	580	2220	2690	2,7	10,2	12,3	3,29	A	5,31	482				
	7	9	18	1610	2010	4030	1900	7650	9250	580	2260	2730	2,7	10,3	12,5	3,38	A	5,36	500				
	7	9	24	1420	1770	4810	1900	8000	9300	580	2340	2870	2,7	10,7	13,1	3,42	A	5,39	519				
	7	12	12	1680	2930	2930	1900	7540	9160	580	2260	2730	2,7	10,3	12,5	3,34	A	5,34	494				
	7	12	18	1500	2630	3750	1900	7880	9300	580	2330	2820	2,7	10,7	12,9	3,38	A	5,37	513				
	7	18	18	1330	3330	3330	1900	8000	9300	580	2370	2910	2,7	10,8	13,3	3,38	A	5,39	520				
	9	9	9	2400	2400	2400	1900	7200	9030	580	2180	2640	2,7	10,0	12,1	3,30	A	5,30	475				
	9	9	12	2180	2180	3060	1900	7420	9130	580	2210	2690	2,7	10,1	12,3	3,36	A	5,33	487				
	9	9	18	1940	1940	3890	1900	7770	9300	580	2280	2780	2,7	10,4	12,7	3,41	A	5,37	507				
	9	9	24	1690	1690	4610	1900	8000	9300	580	2370	2910	2,7	10,8	13,3	3,38	A	5,39	520				
	9	12	12	2010	2820	2820	1900	7650	9230	580	2250	2730	2,7	10,3	12,5	3,40	A	5,36	499				
	9	12	18	1820	2550	3640	1900	8000	9300	580	2330	2870	2,7	10,7	13,1	3,43	A	5,39	519				
	12	12	12	2630	2630	2630	1900	7890	9300	580	2330	2820	2,7	10,7	12,9	3,39	A	5,38	514				
	12	12	18	2330	2330	3330	1900	8000	9300	580	2370	2910	2,7	10,8	13,3	3,38	A	5,39	520				
4 Units	7	7	7	7	1830	1830	1830	1900	7320	9050	580	2210	2690	2,7	10,1	12,3	3,31	A	5,26	487			
	7	7	7	9	1750	1750	2190	1900	7440	9120	580	2210	2690	2,7	10,1	12,3	3,37	A	5,28	493			
	7	7	7	12	1610	1610	1610	1900	7650	9220	580	2250	2730	2,7	10,3	12,5	3,40	A	5,36	500			
	7	7	7	18	1450	1450	3650	1900	8000	9300	580	2300	2870	2,7	10,5	13,1	3,48	A	5,40	518			
	7	7	9	9	1680	1680	2090	1900	7540	9180	580	2260	2730	2,7	10,3	12,5	3,34	A	5,33	495			
	7	7	9	12	1550	1550	1940	1900	7760	9280	580	2270	2780	2,7	10,4	12,7	3,42	A	5,37	506			
	7	7	9	18	1390	1390	1740	1900	8000	9300	580	2300	2870	2,7	10,5	13,1	3,48	A	5,40	518			
	7	7	12	12	1450	1450	2550	1900	8000	9300	580	2350	2870	2,7	10,8	13,1	3,40	A	5,39	520			
	7	9	9	9	1610	2010	2010	1900	7650	9250	580	2260	2730	2,7	10,3	12,5	3,38	A	5,35	500			
	7	9	9	12	1500	1880	2630	1900	7890	9300	580	2330	2820	2,7	10,7	12,9	3,39	A	5,38	514			
	7	9	9	18	1330	1670	3330	1900	8000	9300	580	2300	2910	2,7	10,5	13,3	3,48	A	5,40	518			
	7	9	12	12	1400	1740	2430	1900	8000	9300	580	2300	2870	2,7	10,5	13,1	3,48	A	5,40	518			
	9	9	9	9	1940	1940	1940	1900	7760	9300	580	2290	2780	2,7	10,5	12,7	3,39	A	5,36	506			
	9	9	9	12	1820	1820	1820	1900	8000	9300	580	2300	2870	2,7	10,5	13,1	3,48	A	5,40	518			
	9	9	12	12	1670	1670	2330	1900	8000	9300	580	2300	2910	2,7	10,5	13,3	3,48	A	5,40	518			

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Data is referred to combinations with indoor units of the AR7000M series.

Absorption data includes the indoor unit absorption.

Qce - Indicative annual energy consumption (QCE cooling season).

Qhe - Indicative annual energy consumption (QHE heating season).

## COMBINATIONS

Outdoor Unit	Indoor Unit				Cooling Capacity (W)				Capacity (W)			Absorption (W)			Current (A)			Nom. Heating Efficiency at 7°C/20°C	SCOP and Energy Efficiency Class		Qhe
	A	B	C	D	A	B	C	D	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	COP	Class	SCOP	
																				kWh	
2 Units	7	7			2200	2200			1980	4400	5060	600	1220	1530	2,7	5,6	7,0	3,61	A+	4,00	1068
	7	9			2040	3060			2040	5100	5870	610	1410	1700	2,8	6,5	7,8	3,62	A	3,95	1489
	7	12			2130	3870			2110	6000	6900	610	1760	2110	2,8	8,1	9,7	3,41	A	3,96	1736
	7	18			2090	5710			2200	7800	9130	620	2160	2580	2,8	9,9	11,8	3,61	A	3,80	2164
	7	24			1790	6330			2200	8120	9300	620	2250	2600	2,8	10,3	11,9	3,61	A	3,80	2164
	9	9			2900	2900			2100	5800	6670	610	1600	1930	2,8	7,3	8,8	3,63	A+	4,00	1715
	9	12			3030	3670			2170	6700	7710	610	1940	2330	2,8	8,9	10,7	3,45	A	3,96	1736
	9	18			2770	5030			2200	7800	9360	620	2160	2600	2,8	9,9	11,9	3,61	A	3,80	2164
	9	24			2480	5870			2200	8350	9600	620	2340	2700	2,8	10,7	12,4	3,57	A	3,80	2164
	12	12			3800	3800			2200	7600	8740	620	2180	2510	2,8	10,0	11,5	3,49	A	3,80	2164
	12	18			3250	4870			2200	8120	9500	620	2250	2650	2,8	10,3	12,1	3,61	A	3,80	2164
	12	24			2860	5590			2200	8450	9700	620	2380	2700	2,8	10,9	12,4	3,55	A	3,80	2164
	18	18			4250	4250			2200	8500	9950	620	2340	2750	2,8	10,7	12,6	3,63	A	3,80	2164
	18	24			3760	4890			2200	8650	9900	620	2420	2800	2,8	11,1	12,8	3,57	A	3,80	2164
3 Units	7	7	7		2200	2200	2200		2170	6600	7590	610	1830	2220	2,8	8,4	10,2	3,61	A	3,93	2012
	7	7	9		2090	2090	3120		2200	7300	8400	620	1950	2340	2,8	8,9	10,7	3,74	A	3,80	2164
	7	7	12		2150	2150	3900		2200	8200	9590	620	2150	2570	2,8	9,8	11,8	3,81	A	3,80	2164
	7	7	18		1820	1820	4980		2200	8620	10090	620	2140	2610	2,8	9,8	11,9	4,03	A	3,80	2164
	7	7	24		1580	1580	5590		2200	8750	10500	620	2150	2750	2,8	9,8	12,6	4,07	A	3,81	2158
	7	9	9		2000	3000	3000		2200	8000	9360	620	2080	2500	2,8	9,5	11,4	3,85	A	3,80	2164
	7	9	12		1980	2960	3590		2200	8530	9980	620	2100	2690	2,8	9,6	12,3	4,06	A	3,80	2164
	7	9	18		1660	2490	4530		2200	8680	10150	620	2140	2740	2,8	9,8	12,5	4,06	A	3,80	2164
	7	9	24		1540	2310	5450		2200	9300	10900	620	2250	2820	2,8	10,3	12,9	4,13	A	3,81	2158
	7	12	12		1860	3370	3370		2200	8600	10070	620	2140	2740	2,8	9,8	12,5	4,02	A	3,80	2164
	7	12	18		1580	2870	4300		2200	8750	10500	620	2150	2750	2,8	9,8	12,6	4,07	A	3,81	2158
	7	18	18		1440	3930	3930		2200	9300	10900	620	2250	2820	2,8	10,3	12,9	4,13	A	3,81	2158
	9	9	9		2840	2840	2840		2200	8520	9960	620	2090	2680	2,8	9,6	12,3	4,08	A	3,80	2164
	9	9	12		2670	2670	3250		2200	8590	10050	620	2100	2690	2,8	9,6	12,3	4,09	A	3,80	2164
	9	9	18		2290	2290	4170		2200	8750	10500	620	2140	2740	2,8	9,8	12,5	4,09	A	3,81	2158
	9	9	24		2130	2130	5040		2200	9300	10900	620	2250	2820	2,8	10,3	12,9	4,13	A	3,81	2158
4 Units	9	12	12		2520	3070	3070		2200	8660	10130	620	2140	2740	2,8	9,8	12,5	4,05	A	3,80	2164
	9	12	18		2310	2800	4190		2200	9300	10500	620	2150	2750	2,8	9,8	12,6	4,33	A	3,81	2158
	12	12	12		2910	2910	2910		2200	8730	10220	620	2150	2750	2,8	9,8	12,6	4,06	A	3,81	2158
	12	12	18		2660	2660	3980		2200	9300	10900	620	2180	2790	2,8	10,0	12,8	4,27	A	3,81	2158
	7	7	7	7	2130	2130	2130		2200	8520	9970	620	2100	2690	2,8	9,6	12,3	4,06	A	3,81	2158
	7	7	7	9	1910	1910	1910		2200	8580	10040	620	2100	2690	2,8	9,6	12,3	4,09	A	3,81	2158
	7	7	7	12	1800	1800	1800		2200	8650	10120	620	2140	2740	2,8	9,8	12,5	4,04	A	3,81	2158
	7	7	7	18	1620	1620	1620		2200	9300	10900	620	2200	2820	2,8	10,1	12,9	4,23	A	3,81	2158
	7	7	9	9	1730	1730	2590		2200	8640	10100	620	2140	2740	2,8	9,8	12,5	4,04	A	3,81	2158
	7	7	9	12	1640	1640	2460		2200	8710	10190	620	2140	2740	2,8	9,8	12,5	4,07	A	3,81	2158
	7	7	9	18	1490	1490	2240		2200	9300	10900	620	2200	2820	2,8	10,1	12,9	4,23	A	3,81	2158
	7	7	12	12	1560	1560	2830		2200	8780	10270	620	2180	2790	2,8	10,0	12,8	4,03	A	3,81	2158
	7	9	9	9	1580	2370	2370		2200	8690	10170	620	2140	2740	2,8	9,8	12,5	4,06	A	3,81	2158
	7	9	9	12	1510	2260	2260		2200	8760	10250	620	2180	2790	2,8	10,0	12,8	4,02	A	3,81	2158
	7	9	9	18	1390	2070	2070		2200	9300	10900	620	2250	2820	2,8	10,3	12,9	4,13	A	3,81	2158
	7	9	12	12	1520	2260	2760		2200	9300	10900	620	2200	2820	2,8	10,1	12,9	4,23	A	3,81	2158
	9	9	9	9	2190	2190	2190		2200	8760	10240	620	2140	2740	2,8	9,8	12,5	4,09	A	3,81	2158
	9	9	9	12	2210	2210	2210		2200	9300	10900	620	2180	2790	2,8	10,0	12,8	4,27	A	3,81	2158
	9	9	12	12	2100	2100	2550		2200	9300	10900	620	2200	2820	2,8	10,1	12,9	4,23	A	3,81	2158

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Data is referred to combinations with indoor units of the AR7000M series.

Absorption data includes the indoor unit absorption.

Qce - Indicative annual energy consumption (QCE cooling season).

Qhe - Indicative annual energy consumption (QHE heating season).



Outdoor Unit	Indoor Unit			Cooling Capacity (W)			Capacity (W)			Absorption (W)			Current (A)			Effic. NOM. Cooling. At 35°C/27°C	SEER e Classe di efficienza		Qce
	A	B	C	A	B	C	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	EER	Class	SEER	
																		kWh	
AJ100FCJSEH	7	7	2000	2000	1680	4000	4900	610	1260	1650	2,8	5,8	7,6	3,17	A+	5,85	240	2 Units	
	7	9	2000	2500	1680	4500	5530	610	1400	1860	2,8	6,4	8,5	3,21	A+	5,79	272		
	7	12	2000	3500	1710	5500	6950	620	1750	2330	2,8	8,0	10,7	3,14	A+	5,61	343		
	7	18	2000	5000	2210	7000	8690	630	2190	2910	2,9	10,0	13,3	3,20	A	5,38	455		
	7	24	1830	6240	2280	8070	10110	650	2550	3390	3	11,7	15,5	3,16	A	5,44	519		
	9	9	2500	2500	1680	5000	6320	610	1600	2120	2,8	7,3	9,7	3,13	A+	5,89	297		
	9	12	2500	3500	1710	6000	7270	620	1840	2430	2,8	8,4	11,1	3,26	A+	5,77	364		
	9	18	2500	5000	2210	7500	9320	630	2340	3120	2,9	10,7	14,3	3,21	A	5,39	487		
	9	24	2190	5960	2280	8150	10110	650	2550	3390	3	11,7	15,5	3,20	A	5,56	513		
	12	12	3500	3500	2170	7000	8530	620	2130	2850	2,8	9,7	13,0	3,29	A	5,40	454		
	12	18	3300	4720	2240	8020	9950	640	2490	3330	2,9	11,4	15,2	3,22	A	5,48	512		
	12	24	2920	5670	2480	8590	10740	660	2700	3600	3	12,4	16,5	3,18	A	5,59	538		
	18	18	4280	4280	2440	8560	10430	650	2650	3500	3	12,1	16,0	3,23	A	5,56	539		
	18	24	3740	5080	2510	8820	10900	670	2760	3670	3,1	12,6	16,8	3,20	A+	5,61	551		
	24	24	4550	4550	3110	9100	11000	690	2830	3740	3,2	13,0	17,1	3,22	A+	5,85	544		
AJ100FCJSEH	7	7	7	2000	2000	1760	6000	7270	640	1870	2460	2,9	8,6	11,3	3,21	A+	5,96	352	3 Units
	7	7	9	2000	2000	2500	1760	6500	7900	640	2010	2660	2,9	9,2	12,2	3,23	A+	6,04	377
	7	7	12	2000	2000	3500	2280	7500	8850	650	2260	2980	3	10,3	13,6	3,32	A	5,33	492
	7	7	18	1930	1930	4830	2310	8690	10270	660	2610	3450	3	11,9	15,8	3,33	A+	6,08	500
	7	7	24	1660	1660	5650	2550	8970	10430	680	2680	3530	3,1	12,3	16,2	3,35	A+	5,85	536
	7	9	9	2000	2500	2500	2240	7000	8370	640	2110	2820	2,9	9,7	12,9	3,32	A	5,24	467
	7	9	12	2000	2500	3500	2280	8000	9320	650	2350	3130	3	10,8	14,3	3,40	A+	5,92	473
	7	9	18	1850	2310	4620	2310	8780	10270	660	2610	3450	3	11,9	15,8	3,36	A+	6,09	504
	7	9	24	1550	1940	5270	2550	8760	10430	680	2680	3530	3,1	12,3	16,2	3,27	A+	6,07	505
	7	12	12	1930	3380	3380	2280	8690	10270	650	2600	3440	3	11,9	15,7	3,34	A+	6,08	500
	7	12	18	1700	2980	4250	2510	8930	10430	670	2660	3510	3,1	12,2	16,1	3,36	A++	6,11	512
	7	12	24	1460	2550	4950	2760	8960	10740	690	2730	3630	3,2	12,5	16,6	3,28	A+	5,84	537
	7	18	18	1480	3710	3710	2720	8900	10740	680	2720	3630	3,1	12,4	16,6	3,27	A+	6,09	512
	7	18	24	1340	3360	4560	3150	9260	11000	700	2840	3750	3,2	13,0	17,2	3,26	A+	5,93	547
	7	24	24	1260	4270	4270	3240	9800	11000	720	2860	3770	3,3	13,1	17,3	3,43	A+	6,07	565
AJ100FCJSEH	9	9	9	2500	2500	2240	7500	8850	640	2250	2970	2,9	10,3	13,6	3,33	A	5,34	492	3 Units
	9	9	12	2500	2500	3500	2280	8500	9950	650	2500	3340	3	11,4	15,3	3,40	A+	6,07	490
	9	9	18	2210	2210	4430	2480	8850	10270	660	2610	3450	3	11,9	15,8	3,39	A++	6,11	507
	9	9	24	1880	1880	5110	2550	8870	10740	680	2720	3630	3,1	12,4	16,6	3,26	A+	6,08	510
	9	12	12	2310	3230	3230	2280	8770	10270	650	2600	3440	3	11,9	15,7	3,37	A+	6,09	504
	9	12	18	1980	2770	3950	2510	8700	10430	670	2660	3510	3,1	12,2	16,1	3,27	A+	6,07	502
	9	12	24	1770	2480	4810	2760	9060	10900	690	2780	3690	3,2	12,7	16,9	3,26	A+	5,85	542
	9	18	18	1800	3600	3600	2720	9000	10900	680	2770	3680	3,1	12,7	16,8	3,25	A+	5,84	539
	9	18	24	1640	3270	4450	3150	9360	11000	700	2740	3750	3,2	12,5	17,2	3,42	A+	5,97	549
	9	24	24	1520	4140	4140	3240	9800	11000	720	2860	3770	3,3	13,1	17,3	3,43	A+	6,07	565
	12	12	12	2980	2980	2480	8940	10430	660	2650	3500	3	12,1	16,0	3,37	A++	6,11	512	
	12	12	18	2600	3710	2680	8910	10740	670	2710	3620	3,1	12,4	16,6	3,29	A+	6,09	512	
	12	12	24	2350	2350	4560	3110	9260	11000	690	2830	3740	3,2	13,0	17,1	3,27	A+	5,93	547
	12	18	18	2390	3410	3410	3110	9210	11000	690	2820	3740	3,2	12,9	17,1	3,27	A+	5,88	548
	12	18	24	2240	3200	4360	3200	9800	11000	710	2800	3760	3,2	12,8	17,2	3,50	A+	6,08	564
	12	24	24	2000	3900	3900	3290	9800	11000	730	2910	3780	3,3	13,3	17,3	3,37	A+	6,05	567
	18	18	18	3260	3270	3150	9800	11000	700	2790	3750	3,2	12,8	17,2	3,51	A+	6,08	564	
	18	18	24	2920	2920	3960	3240	9800	11000	720	2910	3770	3,3	13,3	17,3	3,37	A+	6,05	567

EEER and COP data is declared only for tax deductions in force when this catalogue was published.  
Data is referred to combinations with indoor units of the AR7000M series.  
Absorption data includes the indoor unit absorption.  
Qce - Indicative annual energy consumption (QCE cooling season).  
Qhe - Indicative annual energy consumption (QHE heating season).

## COMBINATIONS

Outdoor Unit	Indoor Unit				Cooling Capacity (W)				Cooling Capacity (W)				Absorption (W)				Current (A)				Nom. Heating Efficiency at 7°C/20°C		SCOP and Energy Efficiency Class		Qhe
	A	B	C	D	A	B	C	D	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	EER	Class	SEER	kWh				
AR100FCU5EH Units	7	7	7	7	2000	2000	2000	2000	2350	8000	9320	670	2380	3160	3,1	10,9	14,5	3,36	A+	5,91	474				
	7	7	7	9	2000	2000	2000	2500	2350	8500	9950	670	2520	3360	3,1	11,5	15,4	3,37	A+	6,06	491				
	7	7	7	12	1850	1850	1850	3230	2380	8780	10270	680	2620	3470	3,1	12,0	15,9	3,35	A+	6,09	504				
	7	7	7	18	1580	1580	1580	3950	2590	8690	10430	690	2690	3540	3,2	12,3	16,2	3,23	A+	6,06	502				
	7	7	7	24	1420	1420	1420	4820	2840	9080	10900	710	2800	3710	3,2	12,8	17,0	3,24	A+	5,85	543				
	7	7	9	9	1930	1930	2420	2420	2350	8700	10270	670	2620	3460	3,1	12,0	15,8	3,32	A+	6,08	501				
	7	7	9	12	1770	1770	2210	3100	2550	8850	10270	680	2620	3470	3,1	12,0	15,9	3,38	A++	6,11	507				
	7	7	9	18	1530	1530	1910	3830	2590	8800	10740	690	2730	3640	3,2	12,5	16,7	3,22	A+	6,07	508				
	7	7	9	24	1380	1380	1720	4680	3200	9160	10900	710	2800	3710	3,2	12,8	17,0	3,27	A+	5,87	546				
	7	7	12	12	1580	1580	2770	2770	2550	8700	10430	680	2680	3530	3,1	12,3	16,2	3,25	A+	6,06	502				
	7	7	12	18	1440	1440	2520	3600	2800	9000	10900	700	2790	3700	3,2	12,8	16,9	3,23	A+	5,84	540				
	7	7	12	24	1310	1310	2290	4450	3240	9360	11000	720	2760	3770	3,3	12,6	17,3	3,39	A+	5,97	549				
	7	7	18	18	1330	1330	3320	3320	3200	9300	11000	710	2850	3760	3,2	13,0	17,2	3,26	A+	5,93	549				
	7	7	18	24	1240	1240	3100	4220	3290	9800	11000	730	2870	3780	3,3	13,1	17,3	3,41	A+	6,06	566				
	7	9	9	9	1850	2310	2310	2310	2350	8780	10270	670	2620	3460	3,1	12,0	15,8	3,35	A+	6,09	504				
	7	9	9	12	1700	2130	2130	2980	2550	8940	10430	680	2670	3520	3,1	12,2	16,1	3,35	A++	6,11	512				
	7	9	9	18	1480	1850	1850	3700	2760	8880	10740	690	2730	3640	3,2	12,5	16,7	3,25	A+	6,08	511				
	7	9	9	24	1340	1680	1680	4560	3200	9260	11000	710	2850	3760	3,2	13,0	17,2	3,25	A+	5,92	547				
	7	9	12	12	1530	1910	2680	2680	2550	8800	10740	680	2720	3630	3,1	12,4	16,6	3,24	A+	6,07	507				
	7	9	12	18	1400	1750	2450	3500	3150	9100	10900	700	2790	3700	3,2	12,8	16,9	3,26	A+	5,86	543				
	7	9	12	24	1280	1600	2240	4350	3240	9470	11000	720	2810	3770	3,3	12,9	17,3	3,37	A+	6,02	551				
	7	9	18	18	1300	1620	3240	3240	3200	9400	11000	710	2800	3760	3,2	12,8	17,2	3,36	A+	5,97	551				
	7	9	18	24	1200	1500	3010	4090	3290	9800	11000	730	2870	3780	3,3	13,1	17,3	3,41	A+	6,06	566				
	7	12	12	12	1440	2520	2520	2520	2760	9000	10900	690	2780	3690	3,2	12,7	16,9	3,24	A+	5,84	540				
	7	12	12	18	1330	2330	2330	3330	3150	9320	11000	700	2840	3750	3,2	13,0	17,2	3,28	A+	5,94	549				
	7	12	12	24	1240	2170	2170	4220	3240	9800	11000	720	2860	3770	3,3	13,1	17,3	3,43	A+	6,07	565				
	7	12	18	18	1270	2210	3160	3160	3240	9800	11000	720	2850	3770	3,3	13,0	17,3	3,44	A+	6,07	565				
	7	12	18	24	1140	1980	2830	3850	3330	9800	11000	740	2920	3790	3,4	13,4	17,3	3,36	A+	6,05	567				
	7	18	18	18	1160	2880	2880	2880	3290	9800	11000	730	2920	3780	3,3	13,4	17,3	3,36	A+	6,05	567				
	9	9	9	9	2210	2210	2210	2210	2510	8840	10270	670	2620	3460	3,1	12,0	15,8	3,37	A++	6,10	507				
	9	9	9	12	1980	1980	1980	2770	2550	8710	10430	680	2670	3520	3,1	12,2	16,1	3,26	A+	6,07	503				
	9	9	9	18	1800	1800	1800	3600	2760	9000	10900	690	2780	3690	3,2	12,7	16,9	3,24	A+	5,84	540				
	9	9	9	24	1640	1640	4460	3200	9380	11000	710	2750	3760	3,2	12,6	17,2	3,41	A+	5,97	550					
	9	9	12	12	1850	1850	2600	2600	2720	8900	10740	680	2720	3630	3,1	12,4	16,6	3,27	A+	6,09	512				
	9	9	12	18	1700	1700	2390	3410	3150	9200	11000	700	2830	3750	3,2	13,0	17,2	3,25	A+	5,88	548				
	9	9	12	24	1600	1600	2240	4360	3240	9800	11000	720	2810	3770	3,3	12,9	17,3	3,49	A+	6,08	564				
	9	9	18	18	1630	1630	3270	3270	3200	9800	11000	710	2800	3760	3,2	12,8	17,2	3,50	A+	6,08	564				
	9	9	18	24	1460	1460	2920	3960	3290	9800	11000	730	2920	3780	3,3	13,4	17,3	3,36	A+	6,05	567				
	9	12	12	12	1750	2450	2450	2450	3110	9100	10900	690	2780	3690	3,2	12,7	16,9	3,27	A+	5,86	543				
	9	12	12	18	1620	2270	2270	3240	3150	9400	11000	700	2790	3750	3,2	12,8	17,2	3,37	A+	5,97	551				
	9	12	12	24	1510	2100	2100	4090	3240	9800	11000	720	2860	3770	3,3	13,1	17,3	3,43	A+	6,07	565				
	9	12	18	18	1540	2140	3060	3060	3240	9800	11000	720	2850	3770	3,3	13,0	17,3	3,44	A+	6,07	565				
	12	12	12	12	2330	2330	2330	2330	3110	9320	11000	690	2830	3740	3,2	13,0	17,1	3,29	A+	5,94	549				
	12	12	12	18	2210	2210	3170	3200	9800	11000	710	2840	3760	3,2	13,0	17,2	3,45	A+	6,07	565					
	12	12	12	24	1980	1980	1980	3860	3290	9800	11000	730	2910	3780	3,3	13,3	17,3	3,37	A+	6,05	567				
	12	12	18	18	2020	2020	2880	2880	3240	9800	11000	720	2910	3770	3,3	13,3	17,3	3,37	A+	6,05	567				

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Data is referred to combinations with indoor units of the AR7000M series.

Absorption data includes the indoor unit absorption.

Qce – Indicative annual energy consumption (QCE cooling season).

Qhe - Indicative annual energy consumption (QHE heating season).



Outdoor Unit	Indoor Unit					Cooling Capacity (W)					Cooling Capacity (W)					Absorption (W)			Current (A)			Effic. NOM. Cooling. At 35°C/27°C	SEER e Classe di efficienza		Qce
	A	B	C	D	E	A	B	C	D	E	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	EER	Class	SEER			
AJ100FCJ5EH	7	7	7	7	7	1900	1900	1900	1900	1900	2630	9500	10270	700	2650	3490	3,2	12,1	16,0	3,58	A+	6,06	548	5 Units	
	7	7	7	7	9	1820	1820	1820	1820	2270	2630	9550	10430	700	2700	3550	3,2	12,4	16,2	3,54	A+	6,06	551		
	7	7	7	7	12	1680	1680	1680	1680	2940	2660	9660	10740	710	2750	3650	3,2	12,6	16,7	3,51	A+	6,07	557		
	7	7	7	7	18	1540	1540	1540	1540	3840	3240	10000	10900	720	2810	3720	3,3	12,9	17,0	3,56	A++	6,11	573		
	7	7	7	7	24	1350	1350	1350	1350	4600	3330	10000	11000	740	2830	3790	3,4	13,0	17,3	3,53	A++	6,10	573		
	7	7	7	9	9	1750	1750	1750	2180	2180	2630	9610	10430	700	2700	3550	3,2	12,4	16,2	3,56	A+	6,07	554		
	7	7	7	9	12	1620	1620	1620	2020	2830	2840	9710	10740	710	2750	3650	3,2	12,6	16,7	3,53	A+	6,08	559		
	7	7	7	9	18	1480	1480	1480	1860	3700	3240	10000	11000	720	2860	3770	3,3	13,1	17,3	3,50	A+	6,09	574		
	7	7	7	9	24	1310	1310	1310	1630	4440	3330	10000	11000	740	2830	3790	3,4	13,0	17,3	3,53	A++	6,10	573		
	7	7	7	12	12	1540	1540	1540	2690	2690	3200	10000	10900	710	2800	3710	3,2	12,8	17,0	3,57	A++	6,11	573		
	7	7	7	12	18	1380	1380	1380	2410	3450	3290	10000	11000	730	2820	3780	3,3	12,9	17,3	3,55	A++	6,11	573		
	7	7	7	12	24	1230	1230	1230	2150	4160	3380	10000	11000	750	2880	3800	3,4	13,2	17,4	3,47	A+	6,09	574		
	7	7	7	18	18	1240	1240	1240	3140	3140	3330	10000	11000	740	2880	3790	3,4	13,2	17,3	3,47	A+	6,09	574		
	7	7	9	9	9	1680	1680	2100	2100	2100	2630	9660	10740	700	2740	3650	3,2	12,5	16,7	3,53	A+	6,07	557		
	7	7	9	9	12	1600	1600	2000	2000	2800	2840	10000	10900	710	2800	3710	3,2	12,8	17,0	3,57	A++	6,11	573		
	7	7	9	9	18	1430	1430	1790	1790	3560	3240	10000	11000	720	2860	3770	3,3	13,1	17,3	3,50	A+	6,09	574		
	7	7	9	9	24	1270	1270	1580	1580	4300	3330	10000	11000	740	2880	3790	3,4	13,2	17,3	3,47	A+	6,09	574		
	7	7	9	12	12	1480	1480	1860	2590	2590	3200	10000	11000	710	2850	3760	3,2	13,0	17,2	3,51	A++	6,10	574		
	7	7	9	12	18	1330	1330	1680	2330	3330	3290	10000	11000	730	2820	3780	3,3	12,9	17,3	3,55	A++	6,11	573		
	7	7	9	12	24	1190	1190	1490	2080	4050	3380	10000	11000	750	2930	3800	3,4	13,4	17,4	3,41	A+	6,08	575		
	7	7	9	18	18	1210	1210	1520	3030	3030	3330	10000	11000	740	2930	3790	3,4	13,4	17,3	3,41	A+	6,08	575		
	7	7	12	12	12	1370	1370	2420	2420	2420	3240	10000	11000	720	2810	3770	3,3	12,9	17,3	3,56	A++	6,11	573		
	7	7	12	12	18	1250	1250	2190	2190	3120	3290	10000	11000	730	2870	3780	3,3	13,1	17,3	3,48	A+	6,09	574		
	7	9	9	9	9	1620	2020	2020	2020	2800	9700	10740	700	2740	3650	3,2	12,5	16,7	3,54	A+	6,08	559			
	7	9	9	9	12	1550	1920	1920	2690	3200	10000	10900	710	2800	3710	3,2	12,8	17,0	3,57	A++	6,11	573			
	7	9	9	9	18	1390	1720	1720	3450	3240	10000	11000	720	2810	3770	3,3	12,9	17,3	3,56	A++	6,11	573			
	7	9	9	9	24	1240	1530	1530	4170	3330	10000	11000	740	2880	3790	3,4	13,2	17,3	3,47	A+	6,09	574			
	7	9	9	12	12	1440	1790	1790	2490	2490	3200	10000	11000	710	2850	3760	3,2	13,0	17,2	3,51	A++	6,10	574		
	7	9	9	12	18	1290	1610	1610	2260	3230	3290	10000	11000	730	2860	3780	3,3	13,1	17,3	3,50	A+	6,09	574		
	7	9	9	12	24	1160	1450	1450	2020	3920	3380	10000	11000	750	2930	3800	3,4	13,4	17,4	3,41	A+	6,08	575		
	7	9	9	18	18	1180	1470	1470	2940	2940	3330	10000	11000	740	2930	3790	3,4	13,4	17,3	3,41	A+	6,08	575		
	7	9	12	12	12	1340	1670	2330	2330	3240	10000	11000	720	2810	3770	3,3	12,9	17,3	3,56	A++	6,11	573			
	7	9	12	12	18	1210	1520	2120	3030	3290	10000	11000	730	2920	3780	3,3	13,4	17,3	3,42	A+	6,08	575			
	7	12	12	12	12	1240	2190	2190	2190	3240	10000	11000	720	2860	3770	3,3	13,1	17,3	3,50	A+	6,09	574			
	9	9	9	9	9	2000	2000	2000	2000	3000	10000	11000	700	2900	3700	3,2	13,3	16,9	3,45	A+	6,09	575			
	9	9	9	9	12	1850	1850	1850	2600	3200	10000	11000	710	2840	3760	3,2	13,0	17,2	3,52	A++	6,10	573			
	9	9	9	9	18	1670	1670	1670	3320	3240	10000	11000	720	2810	3770	3,3	12,9	17,3	3,56	A++	6,11	573			
	9	9	9	9	24	1490	1490	1490	4040	3330	10000	11000	740	2930	3790	3,4	13,4	17,3	3,41	A+	6,08	575			
	9	9	9	12	12	1720	1720	1720	2420	3200	10000	11000	710	2800	3760	3,2	12,8	17,2	3,57	A++	6,11	573			
	9	9	9	12	18	1560	1560	1560	2190	3130	3290	10000	11000	730	2860	3780	3,3	13,1	17,3	3,50	A+	6,09	575		
	9	9	12	12	12	1610	1610	2260	2260	3240	10000	11000	720	2850	3770	3,3	13,0	17,3	3,51	A++	6,10	574			
	9	9	12	12	18	1470	1470	2060	2060	2940	3290	10000	11000	730	2920	3780	3,3	13,4	17,3	3,42	A+	6,08	575		
	9	12	12	12	12	1520	2120	2120	2120	3240	10000	11000	720	2910	3770	3,3	13,3	17,3	3,44	A+	6,09	575			

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Data is referred to combinations with indoor units of the AR7000M series.  
Absorption data includes the indoor unit absorption.  
Qce – Indicative annual energy consumption (QCE cooling season).  
Qhe - Indicative annual energy consumption (QHE heating season).

## COMBINATIONS

Outdoor Unit	Indoor Unit			Cooling Capacity (W)			Capacity (W)			Absorption (W)			Current (A)			Nom. Heating Efficiency at 7°C/20°C	SCOP and Energy Efficiency Class		Qhe
	A	B	C	A	B	C	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	COP	Class	SCOP	
2 Units	7	7	2200	2200	1240	4400	5530	460	1250	1520	2,1	5,7	7,0	3,52	A+	4,00	1068		
	7	9	2200	3300	1240	5500	6790	460	1520	1850	2,1	7,0	8,5	3,62	A	3,95	1489		
	7	12	2200	4000	1270	6200	7580	470	1700	2060	2,2	7,8	9,4	3,65	A	3,96	1736		
	7	18	2200	6000	1300	8200	10110	480	2240	2750	2,2	10,3	12,6	3,66	A	3,80	2164		
	7	24	2200	7800	1500	10000	12480	500	2790	3390	2,3	12,8	15,5	3,58	A	3,87	2786		
	9	9	3300	3300	1240	6600	8220	460	1820	2230	2,1	8,3	10,2	3,63	A+	4,00	1715		
	9	12	3300	4000	1270	7300	9010	470	2010	2440	2,2	9,2	11,2	3,63	A	3,96	1736		
	9	18	3300	6000	1300	9300	11690	480	2590	3160	2,2	11,9	14,5	3,59	A	3,87	2786		
	9	24	3150	7450	1500	10600	13110	500	2920	3560	2,3	13,4	16,3	3,63	A	3,90	2761		
	12	12	4000	4000	1270	8000	9800	470	2190	2650	2,2	10,0	12,1	3,65	A	3,80	2164		
	12	18	4000	6000	1470	10000	12320	490	2730	3330	2,2	12,5	15,2	3,66	A	3,87	2786		
	12	24	3590	7010	1530	10600	13110	510	2930	3560	2,3	13,4	16,3	3,62	A	3,90	2761		
	18	18	5300	5300	1650	10600	13110	500	2920	3560	2,3	13,4	16,3	3,63	A	3,84	2809		
	18	24	4610	5990	1820	10600	13110	520	2940	3580	2,4	13,5	16,4	3,61	A	3,90	2761		
	24	24	5300	5300	2160	10600	12960	540	2920	3560	2,5	13,4	16,3	3,63	A	3,90	2837		
3 Units	7	7	7	2200	2200	1320	6600	7580	490	1720	2090	2,2	7,9	9,6	3,84	A	3,93	2012	
	7	7	9	2200	2200	1320	7700	9010	490	2030	2460	2,2	9,3	11,3	3,79	A	3,93	2012	
	7	7	12	2200	2200	4000	1350	8400	9800	500	2210	2680	2,3	10,1	12,3	3,80	A	3,80	2164
	7	7	18	2050	2050	5590	1530	9690	12170	510	2710	3320	2,3	12,4	15,2	3,58	A	3,95	2804
	7	7	24	1780	1780	6300	1750	9860	12170	530	2730	3340	2,4	12,5	15,3	3,61	A	3,90	2837
	7	9	9	2200	3300	3300	1320	8800	10740	490	2380	2920	2,2	10,9	13,4	3,70	A	3,80	2164
	7	9	12	2200	3300	4000	1350	9500	11380	500	2520	3090	2,3	11,5	14,1	3,77	A	3,95	2804
	7	9	18	1870	2810	5110	1530	9790	11850	510	2670	3230	2,3	12,2	14,8	3,67	A	3,95	2804
	7	9	24	1650	2470	5850	1860	9970	12170	530	2730	3340	2,4	12,5	15,3	3,65	A	3,95	2804
	7	12	12	2090	3790	3790	1500	9670	12170	500	2700	3310	2,3	12,4	15,1	3,58	A	3,95	2804
	7	12	18	1780	3230	4850	1720	9860	12170	520	2720	3320	2,4	12,4	15,2	3,63	A	3,95	2804
	7	12	24	1580	2870	5590	1890	10040	12320	540	2780	3380	2,5	12,7	15,5	3,61	A	3,90	2837
	7	18	18	1560	4250	4250	1860	10060	12320	530	2780	3380	2,4	12,7	15,5	3,62	A	3,95	2804
	7	18	24	1490	4050	5270	2200	10810	12800	550	2880	3520	2,5	13,2	16,1	3,75	A	3,90	2837
	7	24	24	1360	4820	4820	2280	11000	12960	570	2950	3590	2,6	13,5	16,4	3,73	A	3,90	2837
	9	9	9	3210	3210	3210	1470	9630	11850	490	2650	3210	2,2	12,1	14,7	3,63	A	3,80	2164
	9	9	12	3020	3020	3660	1500	9700	11530	500	2560	3140	2,3	11,7	14,4	3,79	A	3,95	2804
	9	9	18	2590	2590	4710	1680	9890	12320	510	2760	3360	2,3	12,6	15,4	3,58	A	3,95	2804
	9	9	24	2440	2440	5770	1860	10650	12480	530	2820	3420	2,4	12,9	15,7	3,78	A	3,95	2804
	9	12	12	2850	3460	3460	1500	9770	11850	500	2660	3220	2,3	12,2	14,7	3,67	A	3,95	2804
	9	12	18	2470	3000	4500	1820	9970	12170	520	2720	3320	2,4	12,4	15,2	3,67	A	3,95	2804
	9	12	24	2340	2840	5540	1890	10720	12480	540	2830	3430	2,5	13,0	15,7	3,79	A	3,90	2837
	9	18	18	2320	4210	4210	1860	10740	12480	530	2820	3420	2,4	12,9	15,7	3,81	A	3,90	2837
	9	18	24	2120	3860	5020	2200	11000	12960	550	2930	3570	2,5	13,4	16,3	3,75	A	3,90	2837
	9	24	24	1920	4540	4540	2280	11000	13110	570	2990	3630	2,6	13,7	16,6	3,68	A	3,90	2837
	12	12	12	3280	3280	3280	1680	9840	12170	510	2710	3310	2,3	12,4	15,1	3,63	A	3,95	2804
	12	12	18	2870	2870	4300	1820	10040	12320	520	2770	3370	2,4	12,7	15,4	3,62	A	3,95	2804
	12	12	24	2730	2730	5330	2160	10790	12800	540	2870	3510	2,5	13,1	16,1	3,76	A	3,90	2837
	12	18	18	2700	4050	4050	2160	10800	12800	540	2870	3510	2,5	13,1	16,1	3,76	A	3,90	2837
	12	18	24	2470	3710	4820	2240	11000	12960	560	2930	3570	2,6	13,4	16,3	3,75	A	3,90	2837
	12	24	24	2240	4380	4380	2320	11000	13430	580	3040	3720	2,7	13,9	17,0	3,62	A	3,90	2837
	18	18	18	3660	3670	3670	2200	11000	12960	550	2930	3570	2,5	13,4	16,3	3,75	A	3,90	2837
	18	18	24	3330	3330	4340	2280	11000	13430	570	3040	3710	2,6	13,9	17,0	3,62	A	3,90	2837

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Data is referred to combinations with indoor units of the AR7000M series.  
Absorption data includes the indoor unit absorption.  
Qce - Indicative annual energy consumption (QCE cooling season).  
Qhe - Indicative annual energy consumption (QHE heating season).



Outdoor Unit	Indoor Unit				Cooling Capacity (W)				Capacity (W)			Absorption (W)			Current (A)			Effic. NOM. Heating. At 7°C/20°C	SCOPE Classe di efficienza		Qhe
	A	B	C	D	A	B	C	D	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	COP	Class	SCOP	
	7	7	7	7	2200	2200	2200	2200	1400	8800	9800	520	2240	2700	2,4	10,3	12,4	3,93	A	3,95	2804
AR100FCU5EH Units	7	7	7	9	2140	2140	2140	3210	1560	9630	11380	520	2550	3120	2,4	11,7	14,3	3,78	A	3,95	2804
	7	7	7	12	2010	2010	2010	3660	1590	9690	12170	530	2730	3330	2,4	12,5	15,2	3,55	A	3,95	2804
	7	7	7	18	1730	1730	1730	4710	1780	9900	12170	540	2740	3350	2,5	12,5	15,3	3,61	A	3,95	2804
	7	7	7	24	1630	1630	1630	5770	1960	10660	12320	560	2810	3410	2,6	12,9	15,6	3,79	A	3,90	2837
	7	7	9	9	1950	1950	2920	2920	1560	9740	11530	520	2590	3160	2,4	11,9	14,5	3,76	A	3,95	2804
	7	7	9	12	1840	1840	2760	3350	1590	9790	11850	530	2680	3250	2,4	12,3	14,9	3,65	A+	4,00	2769
	7	7	9	18	1610	1610	2410	4380	1890	10010	12170	540	2740	3350	2,5	12,5	15,3	3,65	A	3,95	2804
	7	7	9	24	1530	1530	2290	5410	1960	10760	12480	560	2850	3450	2,6	13,0	15,8	3,78	A	3,90	2837
	7	7	12	12	1750	1750	3190	3190	1750	9880	12170	530	2730	3340	2,4	12,5	15,3	3,62	A	3,95	2804
	7	7	12	18	1630	1630	2960	4440	1930	10660	12320	550	2790	3390	2,5	12,8	15,5	3,82	A	3,90	2837
	7	7	12	24	1470	1470	2670	5210	2280	10820	12800	570	2900	3540	2,6	13,3	16,2	3,73	A	3,90	2837
	7	7	18	18	1460	1460	3970	3970	2240	10860	12800	560	2890	3530	2,6	13,2	16,2	3,76	A	3,90	2837
	7	7	18	24	1330	1330	3630	4710	2320	11000	12960	580	2960	3600	2,7	13,5	16,5	3,72	A	3,90	2837
	7	9	9	9	1790	2690	2690	1720	9860	12170	520	2720	3330	2,4	12,4	15,2	3,63	A	3,95	2804	
	7	9	9	12	1710	2560	2560	3100	1750	9930	12320	530	2770	3370	2,4	12,7	15,4	3,58	A	3,95	2804
	7	9	9	18	1590	2380	2380	4330	1890	10680	12480	540	2830	3430	2,5	13,0	15,7	3,77	A	3,95	2804
	7	9	9	24	1440	2160	2160	5100	2240	10860	12960	560	2940	3580	2,6	13,5	16,4	3,69	A	3,90	2837
	7	9	12	12	1630	2440	2960	2960	1860	9990	12170	530	2730	3340	2,4	12,5	15,3	3,66	A	3,95	2804
	7	9	12	18	1530	2290	2780	4170	1930	10770	12480	550	2840	3440	2,5	13,0	15,7	3,79	A	3,90	2837
	7	9	12	24	1400	2100	2540	4960	2280	11000	12960	570	2940	3580	2,6	13,5	16,4	3,74	A	3,90	2837
	7	9	18	18	1390	2070	3770	3770	2240	11000	12960	560	2940	3580	2,6	13,5	16,4	3,74	A	3,90	2837
	7	9	18	24	1250	1880	3420	4450	2320	11000	13110	580	3000	3640	2,7	13,7	16,7	3,67	A	3,90	2837
	7	12	12	12	1560	2830	2830	2830	1890	10050	12320	540	2780	3380	2,5	12,7	15,5	3,62	A	3,90	2837
	7	12	12	18	1470	2670	4010	2200	10820	12800	550	2880	3520	2,5	13,2	16,1	3,76	A	3,90	2837	
	7	12	12	24	1350	2440	2440	4770	2280	11000	12960	570	2950	3590	2,6	13,5	16,4	3,73	A	3,90	2837
	7	12	18	18	1330	2410	3630	3630	2280	11000	12960	570	2940	3580	2,6	13,5	16,4	3,74	A	3,90	2837
	7	12	18	24	1210	2200	3300	4290	2360	11000	13430	590	3050	3730	2,7	14,0	17,1	3,61	A	3,90	2837
	7	18	18	18	1190	3270	3270	3270	2320	11000	13430	580	3050	3720	2,7	14,0	17,0	3,61	A	3,90	2837
	9	9	9	9	2490	2490	2490	2490	1820	9960	12480	520	2810	3410	2,4	12,9	15,6	3,54	A+	4,00	2769
	9	9	9	12	2380	2380	2380	2880	1860	10020	12320	530	2770	3370	2,4	12,7	15,4	3,62	A	3,95	2804
	9	9	9	18	2240	2240	4080	2160	10800	12800	540	2870	3510	2,5	13,1	16,1	3,76	A	3,90	2837	
	9	9	9	24	2050	2050	2050	4850	2240	11000	12960	560	2940	3580	2,6	13,5	16,4	3,74	A	3,90	2837
	9	9	12	12	2410	2410	2920	2920	1860	10660	12480	530	2820	3420	2,4	12,9	15,7	3,78	A	3,95	2804
	9	9	12	18	2160	2160	2620	3930	2200	10870	12960	550	2920	3560	2,5	13,4	16,3	3,72	A	3,90	2837
	9	9	12	24	1970	1970	2400	4660	2280	11000	13110	570	2990	3620	2,6	13,7	16,6	3,68	A	3,90	2837
	9	9	18	18	1950	1950	3550	3550	2240	11000	13110	560	2980	3620	2,6	13,6	16,6	3,69	A	3,90	2837
	9	9	18	24	1780	1780	3240	4200	2320	11000	13590	580	3090	3760	2,7	14,1	17,2	3,56	A	3,90	2837
	9	12	12	12	2320	2810	2810	2810	1890	10750	12480	540	2830	3430	2,5	13,0	15,7	3,80	A	3,90	2837
	9	12	12	18	2100	2540	2540	3820	2200	11000	12960	550	2930	3570	2,5	13,4	16,3	3,75	A	3,90	2837
	9	12	12	24	1910	2300	2300	4490	2280	11000	13110	570	2990	3630	2,6	13,7	16,6	3,68	A	3,90	2837
	9	12	18	18	1880	2280	3420	3420	2280	11000	13110	570	2990	3620	2,6	13,7	16,6	3,68	A	3,90	2837
	12	12	12	12	2700	2700	2700	2700	2160	10800	12800	540	2870	3510	2,5	13,1	16,1	3,76	A	3,90	2837
	12	12	12	18	2440	2440	3680	2240	11000	12960	560	2930	3570	2,6	13,4	16,3	3,75	A	3,90	2837	
	12	12	12	24	2220	2220	2220	4340	2320	11000	13430	580	3040	3720	2,7	13,9	17,0	3,62	A	3,90	2837
	12	12	18	18	2200	2200	3300	3300	2280	11000	13430	570	3040	3710	2,6	13,9	17,0	3,62	A	3,90	2837

EEER and COP data is declared only for tax deductions in force when this catalogue was published.

Data is referred to combinations with indoor units of the AR7000M series.

Absorption data includes the indoor unit absorption.

Qce - Indicative annual energy consumption (QCE cooling season).

Qhe - Indicative annual energy consumption (QHE heating season).

## COMBINATIONS

Outdoor Unit	Indoor Unit					Cooling Capacity (W)					Cooling Capacity (W)			Absorption (W)			Current (A)			Nom. Heating Efficiency at 7°C/20°C	SCOP and Energy Efficiency Class		Qhe
	A	B	C	D	E	A	B	C	D	E	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	COP	Class	SCOP	
AJ100FC1SEH Units	7	7	7	7	7	2200	2200	2200	2200	2200	1650	11000	13110	550	2970	3610	2,5	13,6	16,5	3,70	A	3,90	2837
	7	7	7	7	9	2080	2080	2080	2080	3120	1820	11440	12960	550	2930	3570	2,5	13,4	16,3	3,90	A	3,90	2837
	7	7	7	7	12	1990	1990	1990	1990	3620	1850	11580	13110	560	2980	3610	2,6	13,6	16,5	3,89	A	3,90	2837
	7	7	7	7	18	1710	1710	1710	1710	4660	2000	11500	13430	570	3040	3710	2,6	13,9	17,0	3,78	A	3,90	2837
	7	7	7	7	24	1580	1580	1580	1580	5610	2360	11930	13750	590	3140	3810	2,7	14,4	17,4	3,80	A	3,90	2837
	7	7	7	9	9	1950	1950	1950	2930	2930	1930	11710	13430	550	3020	3690	2,5	13,8	16,9	3,88	A	3,90	2837
	7	7	7	9	12	1880	1880	1880	2820	3420	1960	11880	13110	560	2980	3610	2,6	13,6	16,5	3,99	A	3,90	2837
	7	7	7	9	18	1630	1630	1630	2440	4450	2280	11780	13590	570	3080	3750	2,6	14,1	17,2	3,82	A	3,90	2837
	7	7	7	9	24	1490	1490	1490	2240	5290	2360	12000	13900	590	3190	3860	2,7	14,6	17,7	3,76	A	3,90	2837
	7	7	7	12	12	1730	1730	1730	3140	3140	1960	11470	13430	560	3030	3700	2,6	13,9	16,9	3,79	A	3,90	2837
	7	7	7	12	18	1580	1580	1580	2880	4320	2320	11940	13750	580	3130	3800	2,7	14,3	17,4	3,81	A	3,90	2837
	7	7	7	12	24	1430	1430	1430	2620	5090	2400	12000	14000	600	3240	3940	2,7	14,8	18,0	3,70	A	3,90	2837
	7	7	7	18	18	1420	1420	1420	3870	3870	2360	12000	14000	590	3230	3940	2,7	14,8	18,0	3,72	A	3,90	2837
	7	7	9	9	9	1840	1840	2760	2760	2760	1930	11960	13430	550	3020	3690	2,5	13,8	16,9	3,96	A	3,90	2837
	7	7	9	9	12	1690	1690	2540	2540	3080	1960	11540	13590	560	3070	3740	2,6	14,1	17,1	3,76	A	3,90	2837
	7	7	9	9	18	1550	1550	2330	2330	4240	2280	12000	13900	570	3170	3840	2,6	14,5	17,6	3,79	A	3,90	2837
	7	7	9	9	24	1400	1400	2110	2110	4980	2360	12000	14000	590	3280	3940	2,7	15,0	18,0	3,66	A	3,90	2837
	7	7	9	12	12	1640	1640	2470	2990	2990	2240	11730	13590	560	3070	3740	2,6	14,1	17,1	3,82	A	3,90	2837
	7	7	9	12	18	1490	1490	2240	2710	4070	2320	12000	13900	580	3170	3840	2,7	14,5	17,6	3,79	A	3,90	2837
	7	7	9	12	24	1350	1350	2040	2460	4800	2400	12000	14000	600	3280	3940	2,7	15,0	18,0	3,66	A	3,90	2837
	7	7	9	18	18	1340	1340	2020	3650	3650	2360	12000	14000	590	3280	3940	2,7	15,0	18,0	3,66	A	3,90	2837
	7	7	12	12	12	1600	1600	2900	2900	2900	2280	11900	13750	570	3120	3790	2,6	14,3	17,3	3,81	A	3,90	2837
	7	7	12	12	18	1430	1430	2610	2610	3920	2320	12000	14000	580	3220	3930	2,7	14,7	18,0	3,73	A	3,90	2837
	7	9	9	9	9	1670	2500	2500	2500	2500	1930	11670	13590	550	3060	3730	2,5	14,0	17,1	3,81	A	3,90	2837
	7	9	9	9	12	1620	2420	2420	2420	2940	2240	11820	13750	560	3110	3780	2,6	14,2	17,3	3,80	A	3,90	2837
	7	9	9	9	18	1460	2190	2190	3970	2280	12000	14000	570	3210	3920	2,6	14,7	17,9	3,74	A	3,90	2837	
	7	9	9	9	24	1330	1990	1990	1990	4700	2360	12000	14000	590	3320	3940	2,7	15,2	18,0	3,61	A	3,90	2837
	7	9	9	12	12	1570	2350	2360	2860	2860	2240	12000	13900	560	3160	3830	2,6	14,5	17,5	3,80	A	3,90	2837
	7	9	9	12	18	1400	2110	2110	2550	3830	2320	12000	14000	580	3260	3920	2,7	14,9	17,9	3,68	A	3,90	2837
	7	9	9	12	24	1290	1920	1920	2330	4540	2400	12000	14000	600	3370	3940	2,7	15,4	18,0	3,56	A	3,90	2837
	7	9	9	18	18	1280	1900	1900	3460	3460	2360	12000	14000	590	3370	3940	2,7	15,4	18,0	3,56	A	3,90	2837
	7	9	12	12	12	1520	2260	2740	2740	2740	2280	12000	13900	570	3160	3830	2,6	14,5	17,5	3,80	A	3,90	2837
	7	9	12	12	18	1360	2030	2460	2460	3690	2320	12000	14000	580	3270	3930	2,7	15,0	18,0	3,67	A	3,90	2837
	7	12	12	12	12	1440	2640	2640	2640	2280	12000	14000	570	3210	3920	2,6	14,7	17,9	3,74	A	3,90	2837	
	9	9	9	9	9	2400	2400	2400	2400	3400	12000	14000	550	2930	3900	2,5	13,4	17,8	4,10	A	3,90	2837	
	9	9	9	9	12	2300	2300	2300	2300	2800	2240	12000	13900	560	3150	3820	2,6	14,4	17,5	3,81	A	3,90	2837
	9	9	9	9	18	2060	2060	2060	2060	3760	2280	12000	14000	570	3260	3920	2,6	14,9	17,9	3,68	A	3,90	2837
	9	9	9	9	24	1890	1890	1890	1890	4440	2360	12000	14000	590	3370	3940	2,7	15,4	18,0	3,56	A	3,90	2837
	9	9	9	12	12	2210	2210	2210	2680	2690	2240	12000	14000	560	3200	3910	2,6	14,6	17,9	3,75	A	3,90	2837
	9	9	9	12	18	1990	1990	1990	2410	3620	2320	12000	14000	580	3310	3920	2,7	15,1	17,9	3,63	A	3,90	2837
	9	9	12	12	12	2130	2130	2580	2580	2580	2280	12000	14000	570	3250	3910	2,6	14,9	17,9	3,69	A	3,90	2837
	9	9	12	12	18	1920	1920	2330	2330	3500	3400	12000	14000	580	3360	3930	2,7	15,4	18,0	3,57	A	3,90	2837
	9	12	12	12	12	2040	2490	2490	2490	2490	2280	12000	14000	570	3260	3920	2,6	14,9	17,9	3,68	A	3,90	2837
	12	12	12	18	12	2440	2440	2440	3680	2580	2240	11000	12960	560	2930	3570	2,6	13,4	16,3	3,75	A	3,90	2837
	12	12	12	24	18	2220	2220	2220	4340	3500	2320	11000	13430	580	3040	3720	2,7	13,9	17,0	3,62	A	3,90	2837
	12	12	18	18	12	2200	2200	3300	3300	2490	2280	11000	13430	570	3040	3710	2,6	13,9	17,0	3,62	A	3,90	2837

EER and COP data is declared only for tax deductions in force when this catalogue was published.

Data is referred to combinations with indoor units of the AR7000M series.

Absorption data includes the indoor unit absorption.

Qce – Indicative annual energy consumption (QCE cooling season).

Qhe - Indicative annual energy consumption (QHE heating season).



# ● FLOOR-STANDING



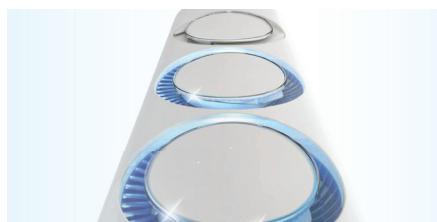


# FLOOR-STANDING



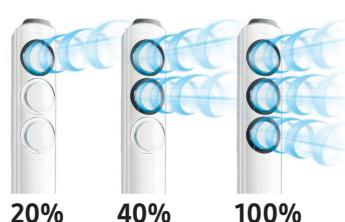
## THREE SEPARATE DIFFUSERS **A TAILORED CLIMATE**

The three round powerful diffusers, that can be operated independently or together, enable to cool and heat the room more quickly than any other existing unit. Thanks to the seven available combinations it is possible to always have the ideal temperature with the maximum power, the maximum comfort and the maximum saving.



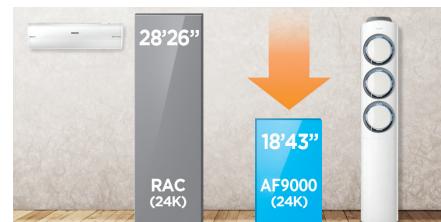
### CIRCULAR LIGHT

Three attractive circular lights encompass the fans and indicate their operating status.



### INDEPENDENT FANS

They can be operated independently or together and enable the highest versatility with a tailored consumption.



### FULL MODE

It enables to quickly reach the desired temperature with a relevant power saving.



ZERO FILTER

**BYE-BYE UNPLEASANT SMELLS AND HARMFUL PARTICLES**

The special high-efficiency filter uses a magnetic field to trap and hold impurities present in the air and improves hygiene and freshness in each room.

**VIRUS DOCTOR**

It inhibits the harmful effect of viruses, bacteria and allergens by delivering fresh and pure air.

**DEHUMIDIFIER**

It removes the humidity excess present in the atmosphere and neutralizes the risk of mould formation.



# FLOOR-STANDING AIR CONDITIONER



## FLOOR-STANDING

AF24FSSDAWKNEU  
**24.000 BTU**

## DESIGN



CRYSTAL GLOSS™ DESIGN      360°  
DESIGN      THREE SEPARATE DIFFUSERS

## PURIFICATION



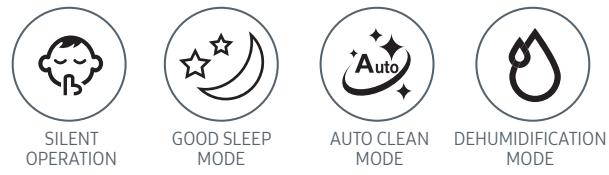
Virus Doctor      ZERO FILTER

## SAVING



DIGITAL INVERTER COMPRESSOR      SINGLE USER MODE

## COMFORT



SILENT OPERATION      GOOD SLEEP MODE      AUTO CLEAN MODE      DEHUMIDIFICATION MODE



Model	Indoor Unit Outdoor Unit	AF24FSSDAWKNEU AF24FSSDAWKXEU
EAN	Indoor Unit Outdoor Unit	8806085840102 8806085840096
Set Name		F-AF24DA
EAN Set		8806086156523
Cooling	Std Absorption (Min~Max) SEER: Seasonal Energy Efficiency Ratio Seasonal Energy Efficiency Class Design Heat Load (Pdesignc) <sup>(1)</sup> Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	W 7,0 A++ kW 360
Heating Average Season	Std Absorption (Min-Max) <sup>(1)</sup> SCOP: Seasonal Coefficient of Performance Seasonal Energy Efficiency Class Design heat load (Pdesignh) <sup>(3)</sup> Electric back-up heater capacity elbu (Tj) Declared capacity Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	W 3,81 A kW 0 kW 1872
Indoor Unit	Dimensions (WxHxD) Weight Treated Air (Max) Dehumidification Capacity Sound Pressure Level Sound Power Level	mm Kg m <sup>3</sup> /min L/hr dB(A) dB(A)
Outdoor Unit	Dimensions (WxHxD) Weight Sound Pressure Level Sound Power Level Power Supply Operating Range (Cooling) Operating Range (Heating)	mm Kg dB(A) dB(A) Ø, V, Hz °C °C
Installation Data	Liquid/Gas Piping Piping Length Max/Min Maximum Elevation Gap (Indoor/Outdoor Unit) Factory Charging Maximum Piping Length without Adding Refrigerant Additional Refrigerant Charging	Ømm m m Kg m g/m
Refrigerant	Refrigerant Type <sup>(1)</sup> GWP: Global warming potential of the used refrigerant <sup>(1)</sup>	R-410A 2.088
	CO <sub>2</sub> Value	tCO <sub>2</sub> 4,18

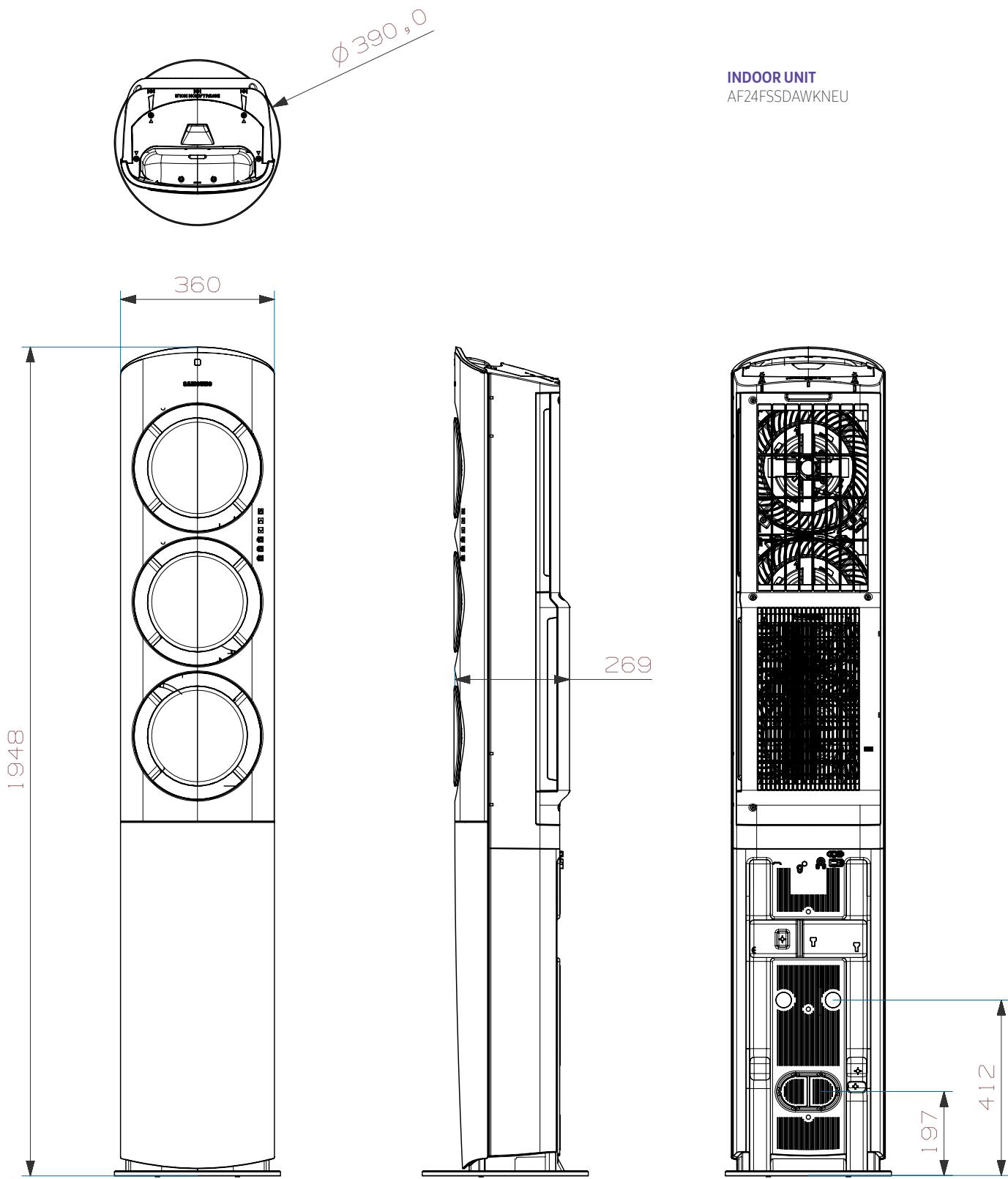
For generic legal notes, see page 26

3) Energy consumption 360 kWh/year according to the results of the standard tests.

5) Energy consumption 1872 kWh/year according to the results of the standard tests.

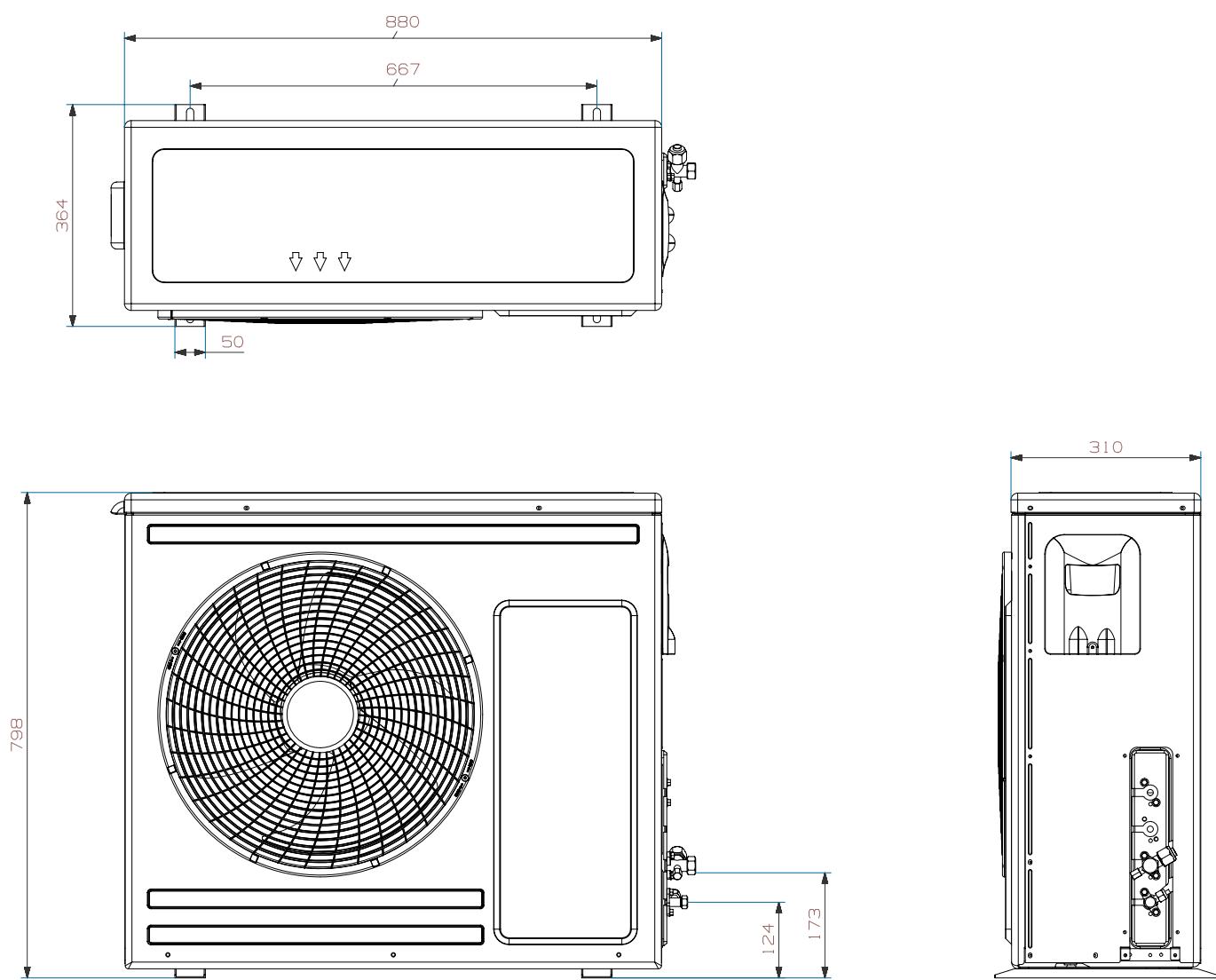
The actual consumption depends on how the device is used and on the place in which it is installed.

## FLOOR-STANDING



INDOOR UNIT  
AF24FSSDAWKNEU

**OUTDOOR UNIT**  
AF24FSSDAWKXEU



# ● CAC - Commercial Air Conditioner





# CAC



## HIGH ENERGY EFFICIENCY

The commercial CAC systems offer high efficiency along with energy saving. Thanks to the Smart Inverter technology, CAC systems ensure excellent performances in cooling/heating and a very low-noise operation.

Smart Inverter technology ensures to quickly adjust the temperature with the lowest electrical energy consumption.

### FEATURES:

- Maximum energy efficiency
- Possibility of twin/triple/quadri systems with outdoor units up to a 25 kW
- Compact and light units
- Flexible installation
- Energy saving
- High temperature comfort
- Quick adjustment of the heating and cooling temperature.





## EU DIRECTIVE FOR AIR CONDITIONING SYSTEMS

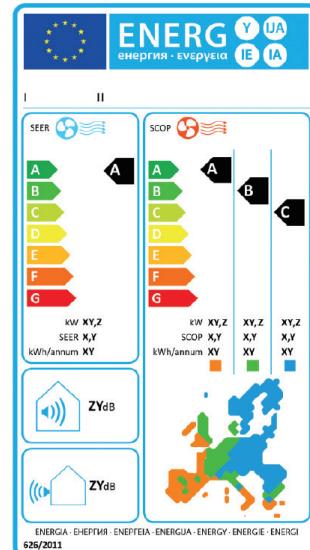
EU drastically cuts the power consumption of the air conditioning systems by introducing the new energy labelling system that provides consumers with the actual consumption of the devices.

Directive (according to MEPS\*)

Division	Applications	
	Jan. 2013	Jan. 2014
Energy Efficiency	SEER	Capacity ≤ 6kW 6kW < Capacity ≤ 12kW
	SCOP (avg.)	Capacity ≤ 12kW
Sound Power		Capacity ≤ 6kW 6kW < Capacity ≤ 12kW
		Indoor: 60dB(A) Outdoor: 65dB(A) Indoor: 65dB(A) Outdoor: 70dB(A)

\* MEPS (Minimum Energy Performance Standard)

New energy labelling



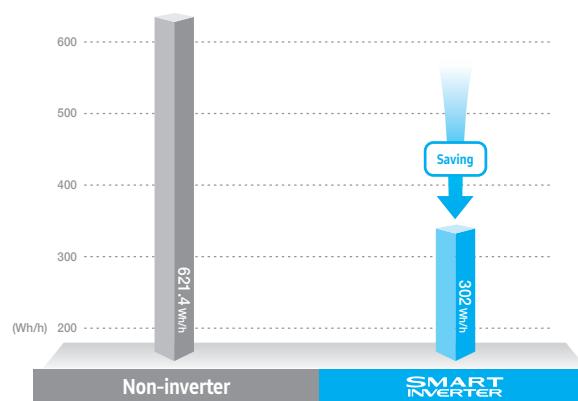
## COMPACT AND LIGHT OUTDOOR UNITS

The new outdoor units are lighter and more compact than the conventional ones.

The outdoor units have one or two fans according to the produced power.

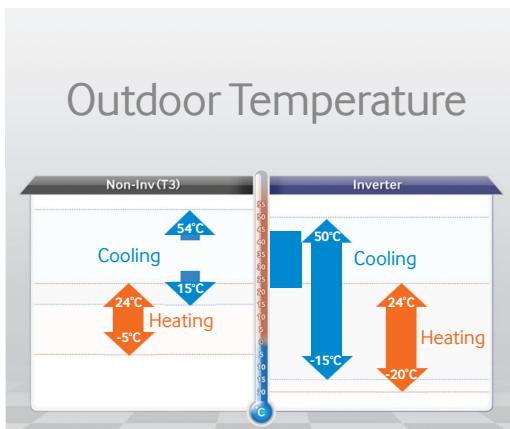
## INSTALLATION FLEXIBILITY

The piping can be installed in four different directions which makes the installation very flexible.



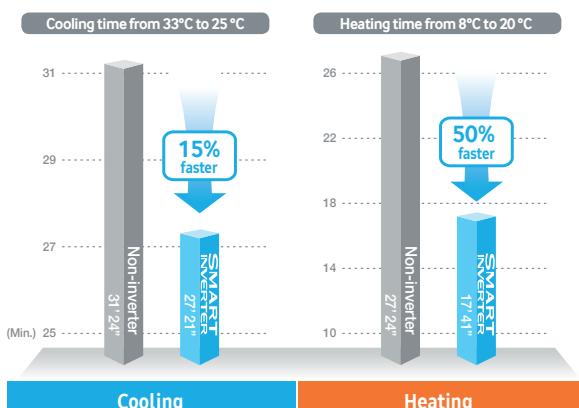
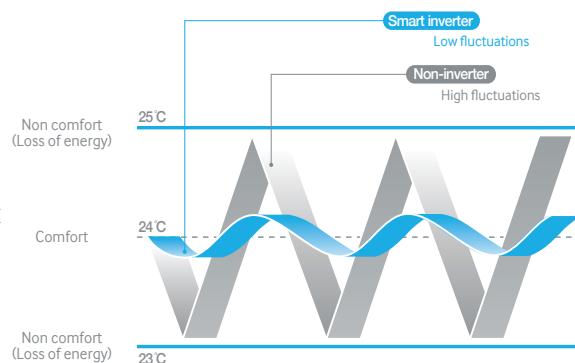
## ENERGY SAVING

After having reached the set-point temperature, the Smart Inverter system reduces the compressor frequency in order to keep the set temperature; in this way, consumption is reduced by 50% compared to the traditional on/off systems.



## COMFORT TEMPERATURE

The Smart Inverter system is adjusted in order to keep the set temperature and to avoid high fluctuations.



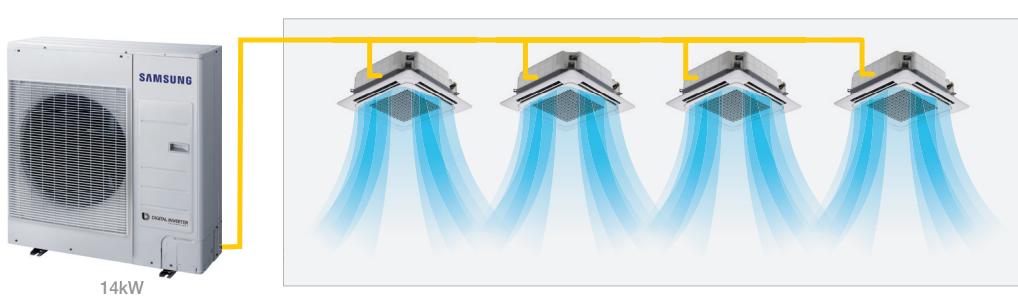
## QUICK TEMPERATURE ADJUSTMENT

Through the Smart Inverter system, the room temperature is reached 15% faster in case of cooling and 50% faster in case of heating compared to a traditional on/off system.

## TWIN-TRIPLE-QUADRI CONNECTION

Instead of connecting just one indoor unit, you can connect two, three or four units. The indoor units operate simultaneously through a wired remote controller. This is the ideal solution for a more constant air distribution within stores or open spaces.

Indoor Unit Capacity	2 Units	3 Units	4 Units
7.1kW	3.5 + 3.5		
10kW	5.2 + 5.2		
12.5kW	6.0 + 6.0	5.2 + 5.2 + 5.2	
14kW	7.1 + 7.1	5.2 + 5.2 + 5.2	3.5 + 3.5 + 3.5



Indoor Unit	Outdoor Unit					
	AC071MXADKH/EU	AC100MXADKH/EU AC100MXADNH/EU	AC120MXADKH/EU AC120MXADNH/EU	AC140MXADKH/EU AC140MXADNH/EU	AC200KXAPNH/EU	AC250KXAPNH/EU
kW	7	10	12	14	20	25
 	7			2	3	4
	9				2	3
	10				2	
	12					2
 	5	2	3	3	4	
	7			2	3	4
	9				2	3
	10				2	
	12					2
 	3.5	2	3	4	4	
	5		2	3	3	4
	6			2		
	7				2	3
 	3.5	2	3	4	4	
 	3.5	2	3	4	4	
	5		2	3	3	4
	7				2	3
 	3.5	2	3	4	4	
	5		2	3	3	4
	7				2	3
 	3.5	2	3	4	4	
	5		2	3	3	4
	6			2		
	7				2	3
	9				2	3
	10				2	
	12					2
 	3.5	2	3	3	4	
	5		2	3	3	4
 	5		2	3	3	4
	7				2	3
	10					2
	12					2

CAPACITY (W)	2600	3500	5200	6000	7100	9000	
360° CASSETTE 	pag.96					AC071MN4PKH/EU	AC090MN4 PKH/EU
Single-phase					•		•
Three-phase							
4-WAY CASSETTE 	pag.104			AC052MN4DKH/EU		AC071MN4DKH/EU	AC090MN4DKH/EU
Single-phase			•		•		•
Three-phase							
4-WAY MINI CASSETTE 	pag.104	AC026MNNDKH/EU	AC035MNNDKH/EU	AC052MNNDKH/EU	AC060MNNDKH/EU	AC071MNNDKH/EU	
Single-phase	•	•	•	•	•	•	
1-WAY SLIM CASSETTE 	pag.116	AC026MN1DKH/EU	AC035MN1DKH/EU				
Single-phase	•	•	•				
WALL-MOUNTED AR5000 	pag.120	AC026MNADKH/EU	AC035MNADKH/EU	AC052MNADKH/EU		AC071MNADKH/EU	
Single-phase	•	•	•	•		•	
LSP DUCT 	pag.126	AC026MNLDKH/EU	AC035MNLDKH/EU	AC052MNLDKH/EU		AC071MNLDKH/EU	
Single-phase	•	•	•	•		•	
MSP DUCT 	pag.126		AC035MNMDKH/EU	AC052MNMDKH/EU	AC060MNMDKH/EU	AC071MNMDKH/EU	AC090MNMDKH/EU
Single-phase			•	•	•	•	•
Three-phase							•
HSP DUCT 	pag.126						
Three-phase							
CONSOLE 	pag.144	AC026MNJDKH/EU	AC035MNJDKH/EU	AC052MNJDKH/EU			
Single-phase	•	•	•	•			
FLOOR-STANDING/ CEILING – CEILING 	pag.148			AC052MNCDKH/EU		AC071MNCDKH/EU	
Single-phase				•		•	
Three-phase							
FLOOR-STANDING 	pag.154						
Single-phase							
Three-phase							

# CAC - Commercial Air Conditioner

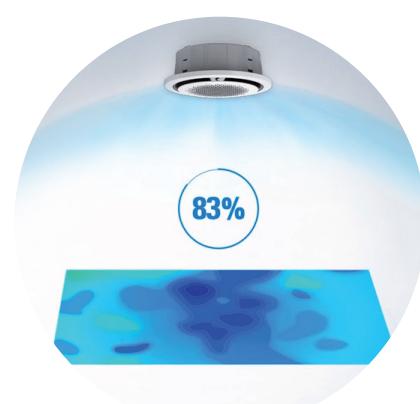
	10000	12000	14000	16000	18000	20000	25000
/EU	AC100MN4PKH/EU	AC120MN4PKH/EU	AC140MN4PKH/EU				
	•	•	•				
	•	•	•				
/EU	AC100MN4DKH/EU	AC120MN4DKH/EU	AC140MN4DKH/EU				
	•	•	•				
	•	•	•				
/EU	AC100MNMDKH/EU	AC120MNMDKH/EU	AC140MNMDKH/EU				
	•	•	•				
	•	•	•				
					AC180JNHPKH/EU	AC200KNHPKH/EU	AC250KNHPKH/EU
					•	•	•
	AC100MNCDKH/EU CEILING	AC120MNCDKH/EU CEILING	AC140MNCDKH/EU CEILING	AC160JNCDEH/EU CEILING			
	•	•	•				
	•	•	•	•			
	AC100KNPDEH/EU		AC140KNPDEH/EU				
	•		•				

# 360° CASSETTE



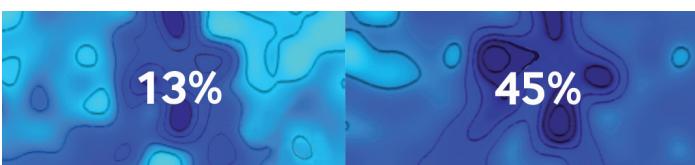
## CIRCULAR DESIGN, 360° COMFORT

Unlike the traditional cassette-based units, that distribute air through four little directional flaps, this new Cassette enables a 360° airflow by ensuring an optimal distribution within the room and by avoiding areas with different temperatures (the temperature difference in the room is actually of 0.6°C compared to 2.3° C of the traditional models).



Traditional cassette

Traditional 4-way



Samsung 360° cassette

Samsung 4-way

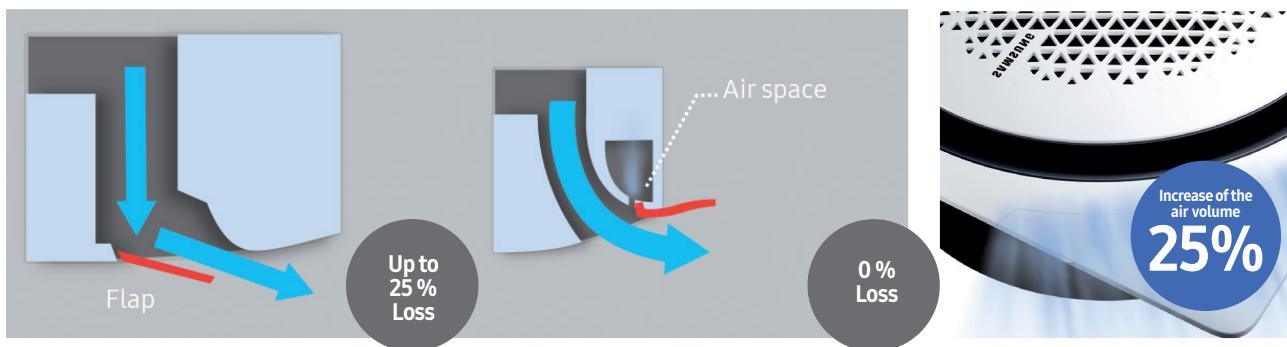


The dark blue areas correspond to a temperature of about 24 °C



## NO FLAPS HIGH COMFORT

If flaps and diffusers are present, a pressure loss generally occurs in the fan of the units; the 360° cassette has no directional flaps and this enables to minimize these losses by completely exploiting the air flow provided by the fan.



## AIR FLOW CONTROL

The air supply is adjusted without using flaps: three booster fans create a depression within the circular hollow space in the cassette that deviates the direction of the outgoing air. In this way the "coanda" effect is used for a "rain-like" distribution of the air that makes the room particularly comfortable.



## VIRUS DOCTOR DEVICE

MSD-CANI (optional)

The Virus Doctor device generates active hydrogen atoms and oxygen ions to thoroughly purify air and to reduce bacteria and allergens in a room to a minimum.

## 360° CASSETTE



- 360° air supply without distribution flaps ("coanda" effect); pressure losses reduced to a minimum
- Fan with inverter engine; predisposition of the air-inlet to let external air in
- Built-in condensation drain pump (750 mmH2O); antibacterial filter included
- Communication with the "Nasa" protocol
- Virus Doctor device (optional); WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz or three-phase 400 V - 50 Hz
- Inverter Twin Rotary compressor - outdoor unit
- Possibility to connect two, three or four indoor units (twin-triple-quadruple)



DIGITAL INVERTER  
COMPRESSOR



ANTIBACTERIAL  
FILTER



VIRUS DOCTOR  
(OPTIONAL)



NO DUST



AIR-INLET TO LET  
EXTERNAL AIR IN



INTEGRATED  
CONDENSATION  
DRAIN PUMP

Model	Indoor Unit Outdoor Unit	AC071MN4PKH/EU AC071MXADKH/EU	AC090MN4PKH/EU AC090MXADKH/EU	AC100MN4PKH/EU AC100MXADKH/EU	
EAN	Indoor Unit Outdoor Unit	8806088576589 8806088576619	8806088576626 8806088576855	8806088576657 8806088576671	
Cooling	Std Capacity (Min~Max) <sup>(1)</sup> Std Absorption (Min~Max) <sup>(1)</sup> SEER: Seasonal Energy Efficiency Ratio Seasonal Energy Efficiency Class Design Heat Load (Pdesignc) <sup>(2)</sup> Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kW kW - - kW kWh/a	7.10 (2.20~8.00) 2.49 (0.35~3.95) 6,2 A++ 7,1 401	9.00 (3.00~11.30) 2.82 (0.60~4.46) 6,8 A++ 9,0 463	10.00 (3.00~12.00) 3.40 (0.60~4.70) 6,8 A++ 10,0 515
Heating	Std Capacity (Min~Max) <sup>(1)</sup> Std Absorption (Min~Max) <sup>(1)</sup> SCOP: Seasonal Coefficient of Performance Seasonal Energy Efficiency Class Design Heat Load (Pdesignc) <sup>(4)</sup> Electric back-up heater capacity elbu (Tj) Declared capacity Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kW kW - - kW kW kW kWh/a	8.00 (1.90~9.00) 2.40 (0.35~3.95) 4,1 A+ 4,5 - 4,5 1537	10.00 (2.20~13.90) 2.65 (0.46~5.20) 4,3 A+ 5,3 - 5,3 1726	11.20 (2.20~15.50) 3.15 (0.46~5.40) 4,3 A+ 5,3 - 5,3 1726
Indoor Unit	Dimensions (WxHxD) Panel Dimensions (WxHxD) Weight Panel Weight Treated Air (Max) Static Pressure Min-Std-Max Sound Power Level	mm mm Kg Kg m3/min mmH2O dB(A)	947x281x947 1000x66x1000 20,2 3,6 17,5 - 53	947x365x947 1000x66x1000 23,5 3,6 30,1 - 60	947x365x947 1000x66x1000 23,5 3,6 31,2 - 61
Outdoor Unit	Dimensions (WxHxD) Weight Sound Pressure Level Power Supply Operating Range (Cooling) Operating Range (Heating)	mm Kg dB(A) Ø, V, Hz °C °C	880x798x310 53 65 1, 220-240, 50 -15~50 -20~24	940x998x330 72 68 1, 220-240, 50 -15~50 -20~24	940x998x330 72 69 1, 220-240, 50 -15~50 -20~24
Installation Data	Liquid/Gas Piping Piping Length Max Maximum Elevation Gap (Indoor/Outdoor Unit) Maximum Piping Length without Adding Refrigerant Additional Refrigerant Charging	Ømm (inch) m m m g/m	6.35 (1/4") 15.88 (5/8") 50 30 5 20	9.52 (3/8") 15.88 (5/8") 50 30 30 50	9.52 (3/8") 15.88 (5/8") 50 30 30 50
Refrigerant	Refrigerant Type <sup>(7)</sup> GWP: Global warming potential of the used refrigerant <sup>(7)</sup> Factory Charging Ton equivalent CO <sub>2</sub>	- - Kg tCO <sub>2</sub> Eq	R-410A 2088 1,5 3,13	R-410A 2088 3,0 6,26	R-410A 2088 3,0 6,26

For generic legal notes, see page 26

3) Energy consumption 401 kWh/year according to the results of the standard tests.

5) Energy consumption 1537 kWh/year according to the results of the standard tests.

3) Energy consumption 463 kWh/year according to the results of the standard tests.

5) Energy consumption 1726 kWh/year according to the results of the standard tests.

3) Energy consumption 515 kWh/year according to the results of the standard tests.

5) Energy consumption 1726 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# CAC - Commercial Air Conditioner

Code	Accessories	EAN
PC4NUDMAN	Square panel (mandatory)	8806088235776
PC4NUNMAN	Circular panel (mandatory)	8806088235783
MWR-WE1N	Premium wired remote controller	8806088179902
AR-KH00E	360° Cassette wireless remote controller	8806088179933
MWR-SH10N	Simplified wired remote controller	8806086849548
MRW-TA	Outdoor temperature sensor (optional)	8808993622634
MSD-CAN1	Virus Doctor device (optional)	8806071391090
MIM-H03N	WI-FI Kit (optional)	8806086830928

AC100MN4PKH/EU AC100MXADNH/EU	AC120MN4PKH/EU AC120MXADKH/EU	AC120MN4PKH/EU AC120MXADNH/EU	AC140MN4PKH/EU AC140MXADKH/EU	AC140MN4PKH/EU AC140MXADNH/EU
8806088576657	8806088576909	8806088576909	8806088576947	8806088576947
8806088576886	8806088576695	8806088576923	8806088576718	8806088576961
10.00 (3.00~12.00)	12.00 (3.50~13.50)	12.00 (3.50~13.50)	13.40 (3.50~15.50)	13.40 (3.50~15.50)
3.40 (0.60~4.70)	4.70 (0.90~5.30)	4.70 (0.90~7.90)	4.45 (0.80~6.44)	4.45 (0.80~7.90)
6,8	5,7	5,7	3.0 (EER)	3.0 (EER)
A++	A+	A+	-	-
10,0	12,0	12,0	-	-
515	737	737	-	-
11.20 (2.20~15.50)	13.00 (3.50~15.50)	13.00 (3.50~15.50)	15.50 (3.50~18.00)	15.50 (3.50~18.00)
3.15 (0.46~5.40)	4.00 (0.75~5.50)	4.00 (0.75~7.90)	4.54 (0.70~7.36)	4.54 (0.70~7.90)
4,3	4,1	4,1	3.4 (COP)	3.4 (COP)
A+	A+	A+	-	-
5,3	7,4	7,4	-	-
-	-	-	-	-
5,3	7,4	7,4	-	-
1726	2527	2527	-	-
947x365x947	947x365x947	947x365x947	947x365x947	947x365x947
1000x66x1000	1000x66x1000	1000x66x1000	1000x66x1000	1000x66x1000
23,5	23,5	23,5	25,5	25,5
3,6	3,6	3,6	3,6	3,6
31,2	32,5	32,5	32,4	32,4
-	-	-	-	-
61	61	61	61	61
940x998x330	940x998x330	940x998x330	940x1210x330	940x1210x330
72	77	77	87	87
69	70	70	69	69
3,380-415,50	1,220-240,50	3,380-415,50	1,220-240,50	3,380-415,50
-15~50	-15~50	-15~50	-15~50	-15~50
-20~24	-20~24	-20~24	-20~24	-20~24
9.52 (3/8") 15.88 (5/8")				
50	50	50	75	75
30	30	30	30	30
30	30	30	30	30
50	50	50	50	50
R-410A	R-410A	R-410A	R-410A	R-410A
2088	2088	2088	2088	2088
3,0	3,0	3,0	3,4	3,4
6,26	6,26	6,26	7,10	7,10

3) Energy consumption 515 kWh/year according to the results of the standard tests.

3) Energy consumption 737 kWh/year according to the results of the standard tests.

3) Energy consumption 737 kWh/year according to the results of the standard tests.

5) Energy consumption 1726 kWh/year according to the results of the standard tests.

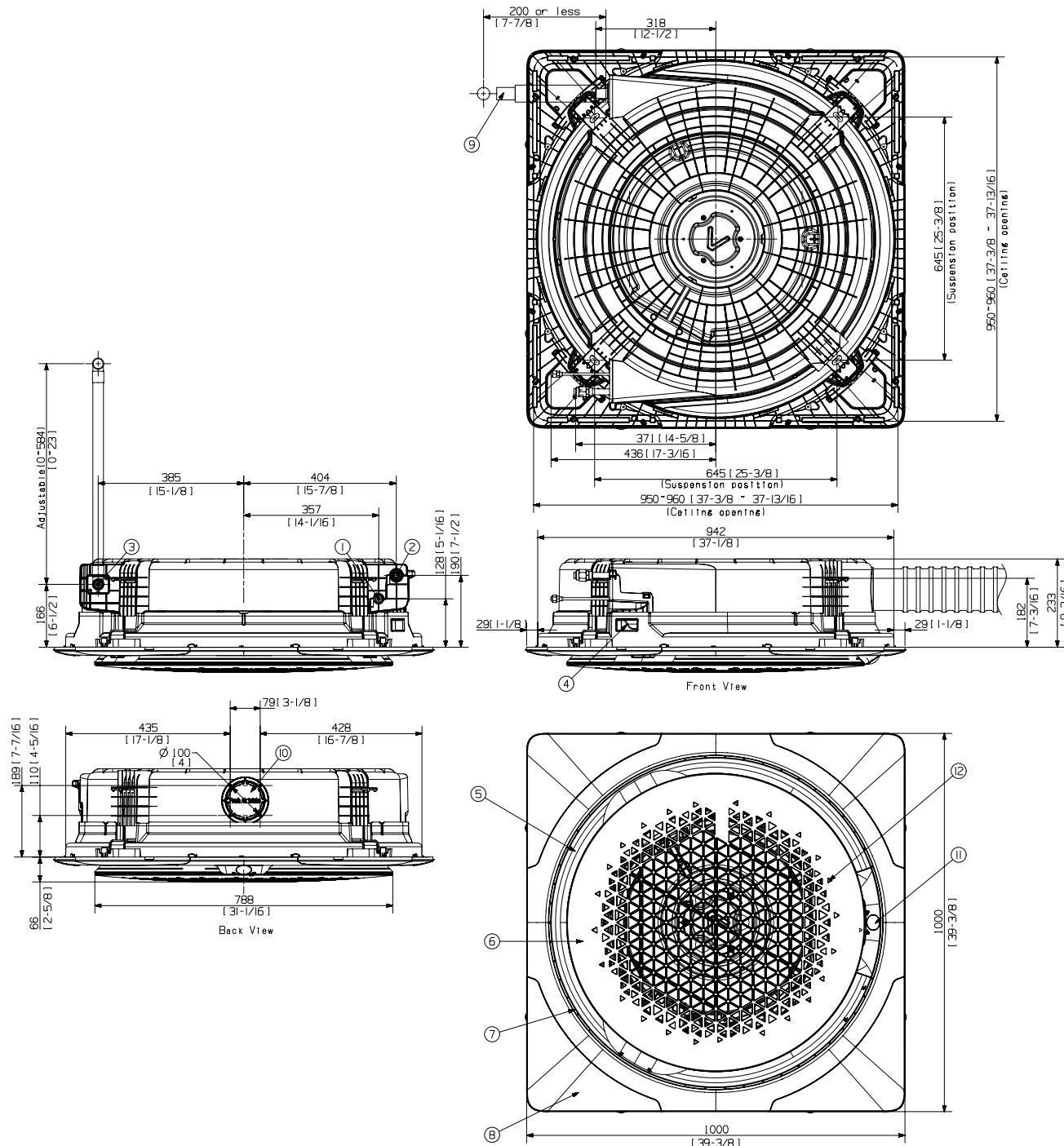
5) Energy consumption 2527 kWh/year according to the results of the standard tests.

5) Energy consumption 2527 kWh/year according to the results of the standard tests.

## TECHNICAL DRAWINGS INDOOR UNIT

### 360° CASSETTE

AC071KN4DKH/EU



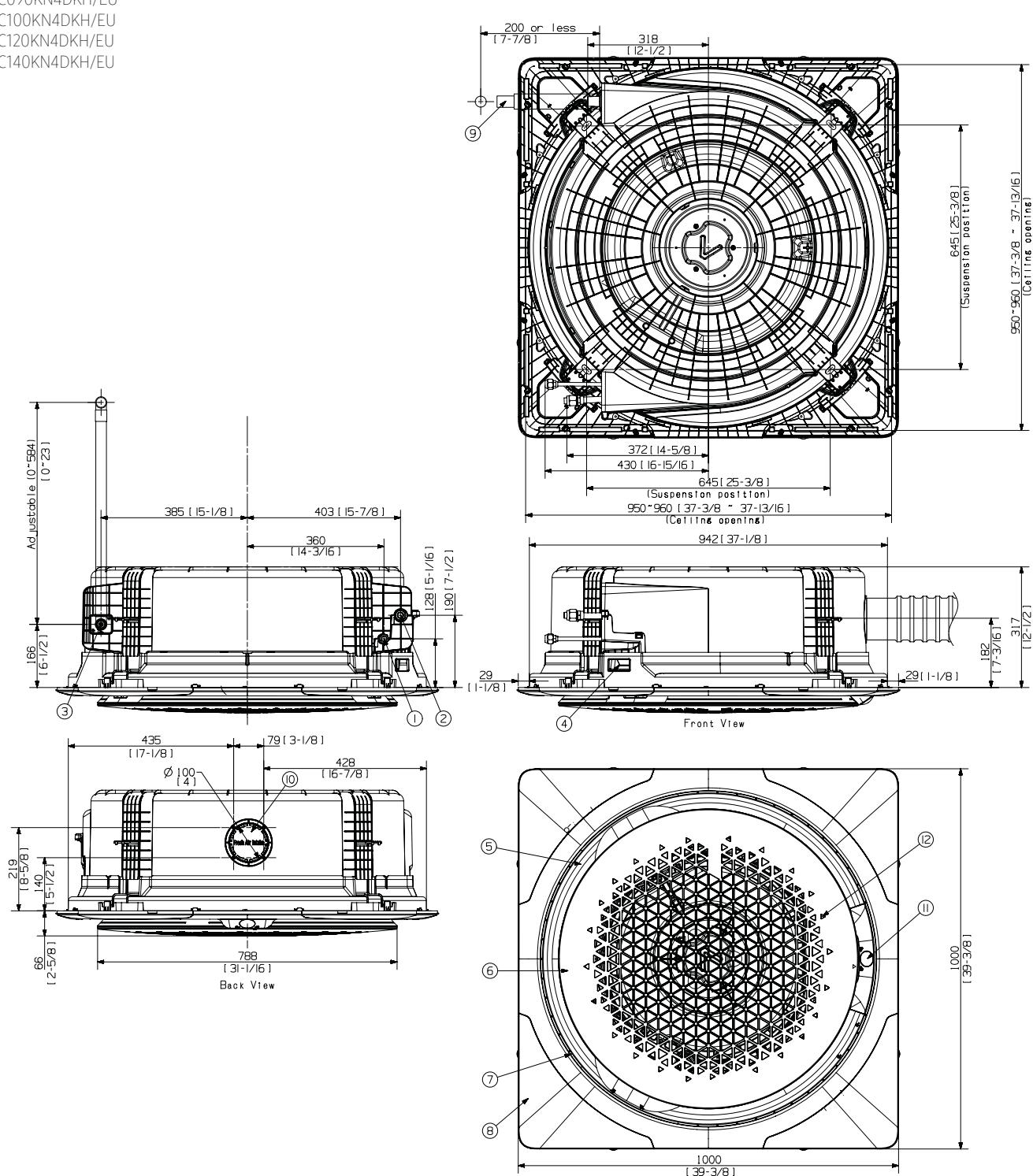
Pos.	Name	Description
1	Liquid piping	Ø 6,35 mm (1/4")
2	Gas piping	Ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD332, ID25)
4	Power supply cables connection / communication	-
5	Air supply	-
6	Air intake	-

Pos.	Name	Description
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Pre-cut hole - external air	Ø 100 mm
11	Display	
12	Wireless remote controller receiver	-



## 360° CASSETTE

AC090KN4DKH/EU  
AC100KN4DKH/EU  
AC120KN4DKH/EU  
AC140KN4DKH/EU



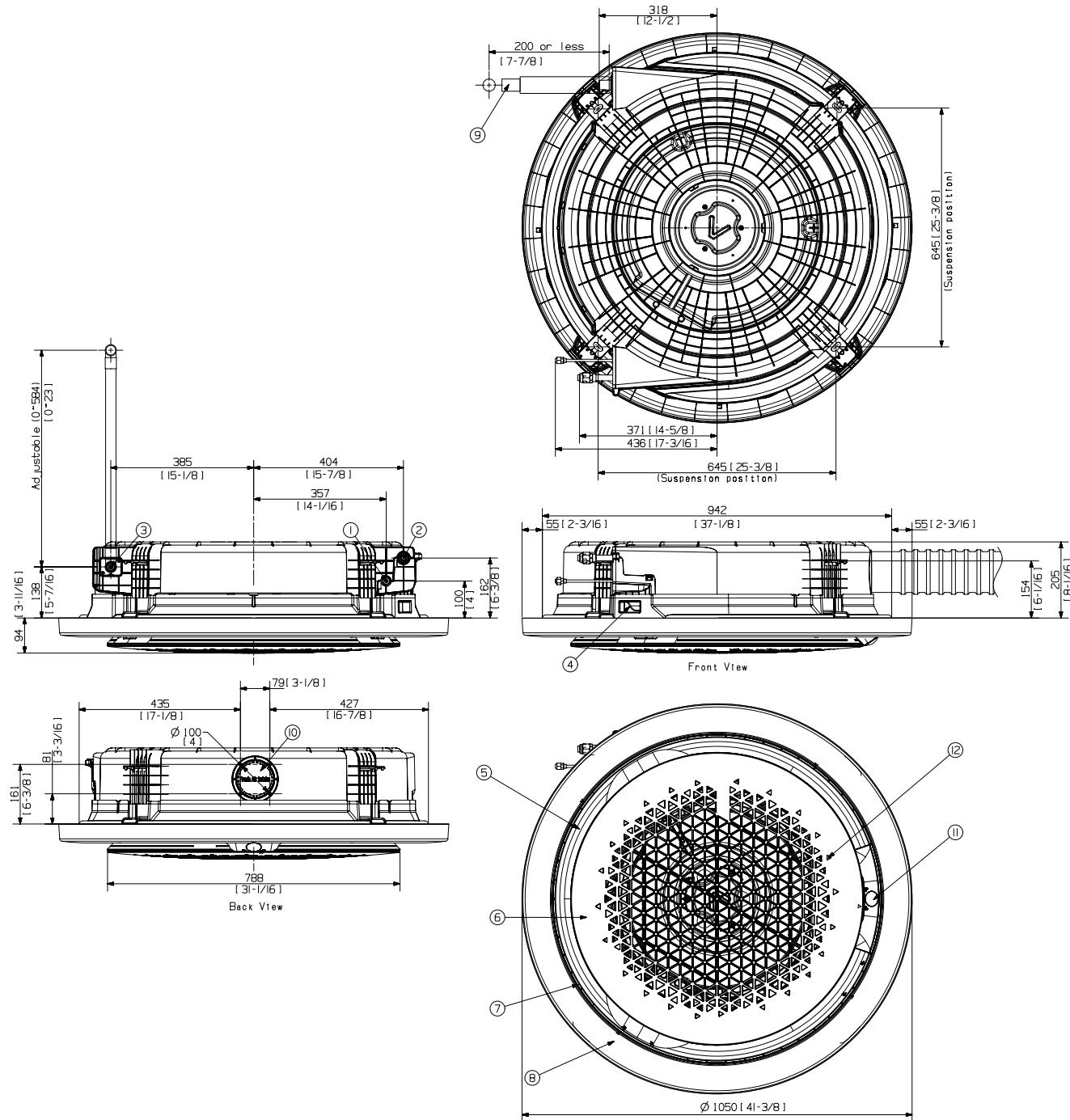
Pos.	Name	Description
1	Liquid piping	ø 6,35 mm (1/4")
2	Gas piping	ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD332, ID25)
4	Power supply cables connection / communication	-
5	Air supply	-
6	Air intake	-

Pos.	Name	Description
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Pre-cut hole - external air	ø 100 mm
11	Display	
12	Wireless remote controller receiver	-

## TECHNICAL DRAWINGS INDOOR UNIT

### 360° CASSETTE

AC071KN4DKH/EU

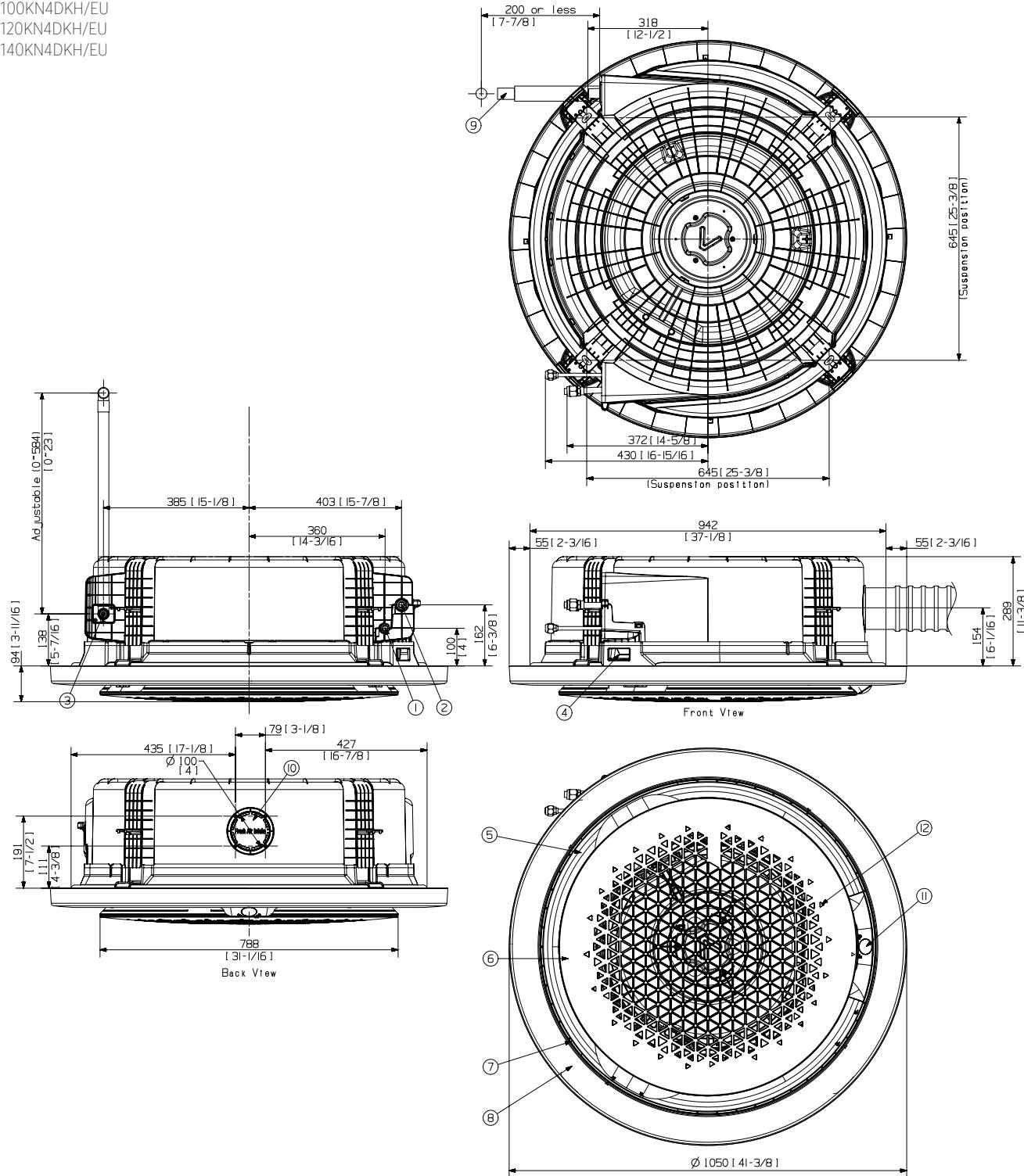


Pos.	Name	Description
1	Liquid piping	Ø 6,35 mm (1/4")
2	Gas piping	Ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD332, ID25)
4	Power supply cables connection / communication	-
5	Air supply	-
6	Air intake	-

Pos.	Name	Description
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Pre-cut hole - external air	Ø 100 mm
11	Display	
12	Wireless remote controller receiver	-

## 360° CASSETTE

AC090KN4DKH/EU  
AC100KN4DKH/EU  
AC120KN4DKH/EU  
AC140KN4DKH/EU



Pos.	Name	Description
1	Liquid piping	Ø 6,35 mm (1/4")
2	Gas piping	Ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD332, ID25)
4	Power supply cables connection / communication	-
5	Air supply	-
6	Air intake	-

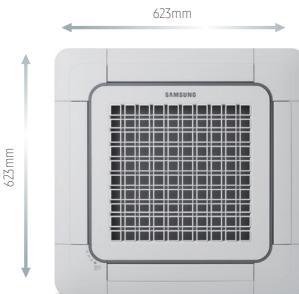
Pos.	Name	Description
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Pre-cut hole - external air	Ø 100 mm
11	Display	
12	Wireless remote controller receiver	-

# 4-WAY CASSETTE 4-WAY MINI CASSETTE



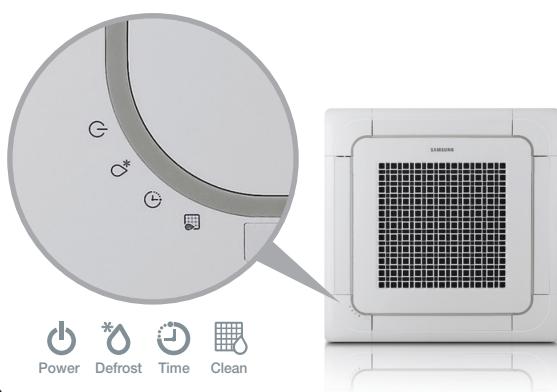
## COMPACT DIMENSIONS

4-way mini cassettes can be installed in the traditional panel of the suspended ceiling 600x600 mm.



## BUILT-IN DISPLAY

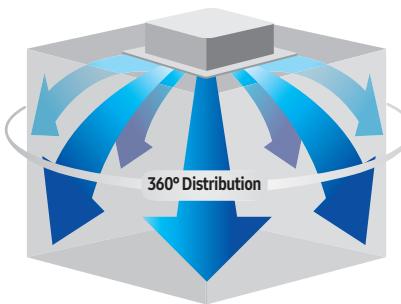
The built-in display identifies the operating status of the indoor unit.



## SINGLE FLAP CONTROL

Through the wired/wireless remote controller, each of the four flaps can be separately adjusted within an angle ranging from 32° to 65°.





## 360° AIR DISTRIBUTION

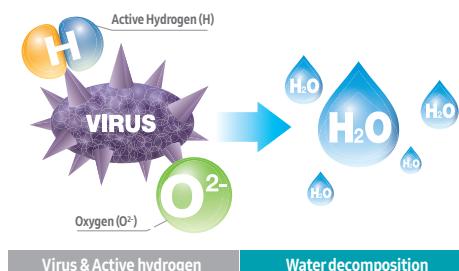
Thanks to further deflectors placed at the ends of each single flap, a 360° air distribution is possible and provides a perfect room coverage.



### VIRUS DOCTOR THOROUGHLY PURIFY THE AIR YOU BREATHE

#### OPERATION

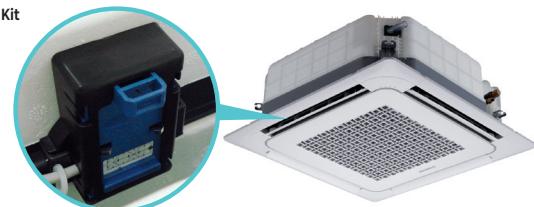
The generated active hydrogen atoms and the oxygen ions adhere to the harmful particle surface. The harmful particle decomposes and turns into water that spreads in the environment.



#### PURE AIR

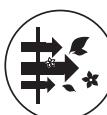
The Virus Doctor device generates active hydrogen atoms and oxygen ions to thoroughly purify air and to make the environment comfortable.

Virus Doctor Kit



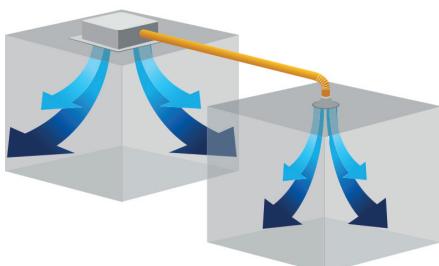
#### EFFECTIVE AGAINST

- Viruses and bacteria
- Dust and moulds
- Allergens



#### EXTERNAL AIR INTAKE

There is a pre-cut hole on the side of the cassette which enables the external fresh air to enter.



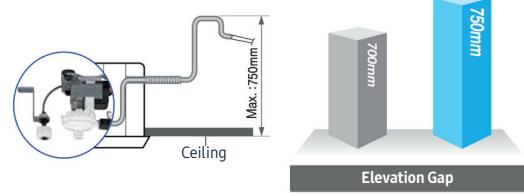
#### SECONDARY PIPE

It is possible to connect a secondary pipe to the cassette in order to cool/heat the room next door.



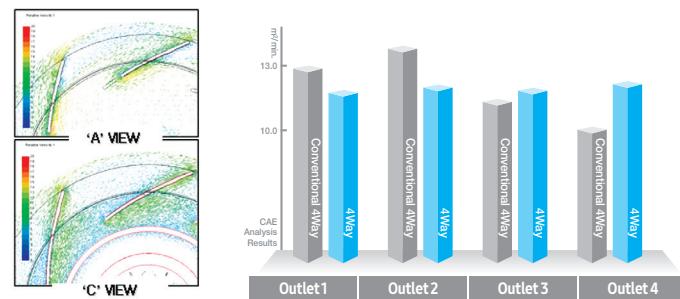
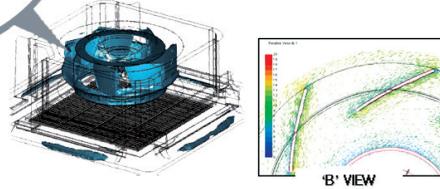
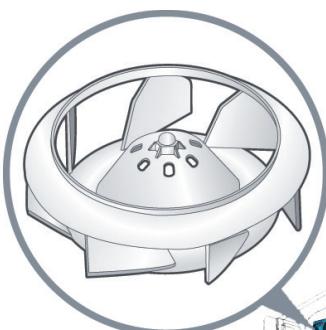
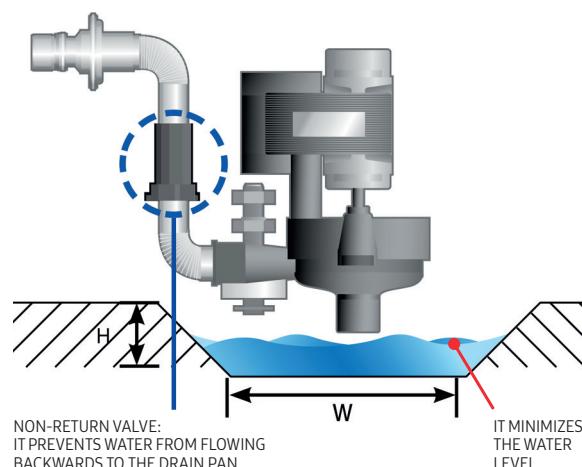
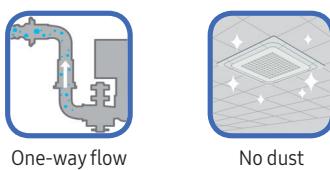
#### CONDENSATION DRAIN PUMP (included)

The built-in drain pump enables to lift the condensation up to 750 mm.



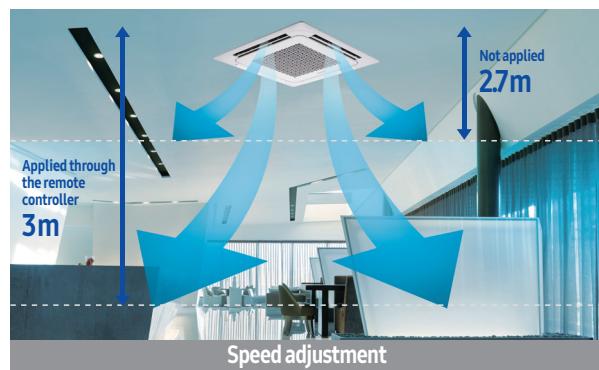
## NON-RETURN VALVE

The non-return valve in the drain pump prevents the condensation from flowing backwards to the drain pan. In this way the water level in the drain pan is kept under control and water stagnation is prevented.



## FAN

The fan is sized in order to reduce the noise level and to have an even air distribution through the four outlet flaps.

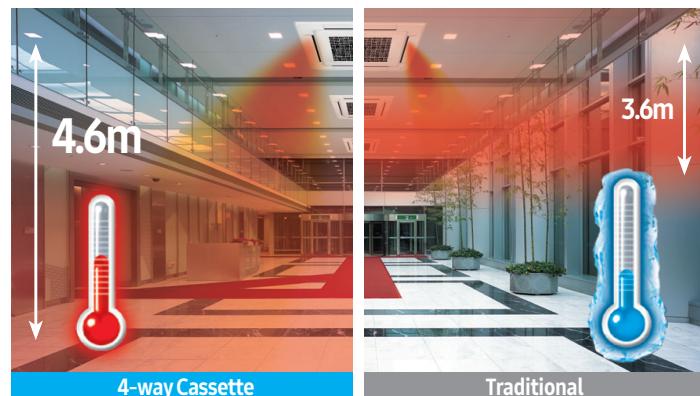


## MAXIMUM INSTALLATION HEIGHT (MINI 4-WAY CASSETTE)

The air flow rate can be increased through a setting on the remote controller in order reach a maximum installation height of 3 m.

## MAXIMUM INSTALLATION HEIGHT (4-WAY CASSETTE)

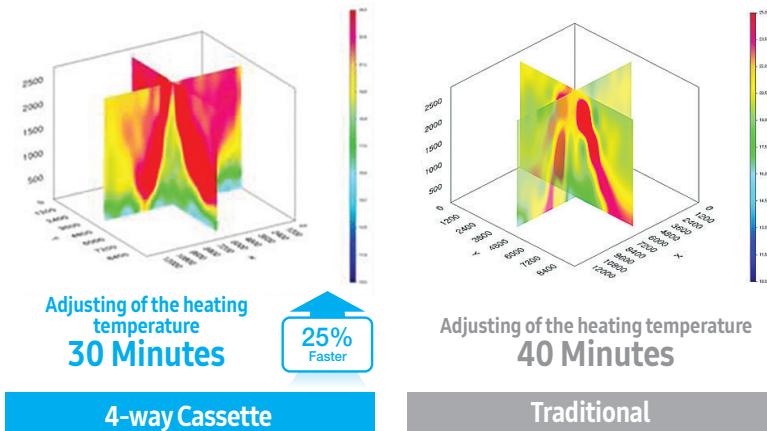
In case of high installation height it is possible to increase the air flow rate in order to obtain an optimal coverage up to a maximum height of 4.6 meters (the maximum installation height depends on the selected size).





## EASY TO CLEAN

Each flap can be easily removed in order to properly clean it without completely taking away the grille.



## QUICK TEMPERATURE ADJUSTMENT

The Samsung cassettes enable to quickly adjust the temperature compared to the conventional models.

## WI-FI KIT CONTROLLER

MIM-H03N (OPTIONAL)

The exclusive Smart Control technology was conceived to control and manage all main functions of the air conditioner from anywhere thanks to its mobile system, even by using the remote controller. It is ideal for those who are away from home all day and want to always enjoy a fresh and comfortable environment with a relevant energy saving. To control the CAC unit with the Smart Control technology it is necessary to connect the Wi-Fi interface kit directly to the indoor unit.



## MOTION SENSOR MCR-SMA (optional only for 4-way mini cassette)

### ON/OFF MODE

The sensor detects the presence of people in the room and automatically turns on/off the unit with a consequent energy saving.



### OPTIMAL AIR DISTRIBUTION

The sensor automatically adjusts the inclination of each flap according to the position of the people.



## 4-WAY CASSETTE



- Four-way air supply with adjustable distribution flaps
- Fan with inverter motor; predisposition of the air-inlet to let external air in
- Built-in condensation drain pump (750 mmH2O); antibacterial filter included
- Communication with the "Nasa" protocol; predisposition for secondary pipes
- Virus Doctor device (optional); WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz or three-phase 400 V - 50 Hz
- Inverter Twin Rotary compressor - outdoor unit
- Possibility to connect two, three or four indoor units (twin-triple-quadruple)



DIGITAL INVERTER COMPRESSOR



ANTIBACTERIAL FILTER



WIDE AIR DISTRIBUTION



EXTERNAL AIR INTAKE



INTEGRATED CONDENSATION DRAIN PUMP

Model	Indoor Unit Outdoor Unit		AC052MN4DKH/EU AC052MXADKH/EU	AC071MN4DKH/EU AC071MXADKH/EU	AC090MN4DKH/EU AC090MXADKH/EU
EAN	Indoor Unit		8806088576503	8806088576572	8806088576848
	Outdoor Unit		8806088576794	8806088576619	8806088576855
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	5.00 (1.00~6.00)	7.10 (2.20~8.00)	9.00 (3.00~11.30)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	1.44 (0.33~2.10)	2.53 (0.35~3.95)	2.75 (0.60~4.46)
	SEER: Seasonal Energy Efficiency Ratio	-	6,9	6,2	6,8
	Seasonal Energy Efficiency Class	-	A++	A++	A++
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	5,0	7,1	9,0
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	254	401	463
Heating	Std Capacity (Min~Max) <sup>(1)</sup>	kW	6.00 (1.00~7.00)	8.00 (1.90~9.00)	10.00 (2.20~13.90)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	1.49 (0.25~1.90)	2.40 (0.35~3.95)	2.70 (0.46~5.20)
	SCOP: Seasonal Coefficient of Performance	-	4,3	4,1	4,3
	Seasonal Energy Efficiency Class	-	A+	A+	A++
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,6	4,5	6,3
	Electric back-up heater capacity elbu (Tj)	kW	-	-	-
	Declared capacity	kW	2,6	4,5	6,3
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	847	1537	2051
Indoor Unit	Dimensions (WxHxD)	mm	840x204x840	840x204x840	840x204x840
	Panel Dimensions (WxHxD)	mm	950x45x950	950x45x950	950x45x950
	Weight	Kg	15	15	18
	Panel Weight	Kg	5,9	5,9	5,9
	Treated Air (Max)	m <sup>3</sup> /min	15,0	19,5	30,0
	Static Pressure Min-Std-Max	mmH2O	-	-	-
	Sound Power Level	dB(A)	49	53	60
Outdoor Unit	Dimensions (WxHxD)	mm	880x638x310	880x798x310	940x998x330
	Weight	Kg	43,8	53	72
	Sound Pressure Level	dB(A)	62	65	68
	Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
	Operating Range (Cooling)	°C	-15~50	-15~50	-15~50
	Operating Range (Heating)	°C	-20~24	-20~24	-20~24
Installation Data	Liquid/Gas Piping	Ømm (inch)	6.35 (1/4") 12.70 (1/2")	6.35 (1/4") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")
	Piping Length Max	m	30	50	50
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	20	30	30
	Maximum Piping Length without Adding Refrigerant	m	5	5	30
	Additional Refrigerant Charging	g/m	10	20	50
Refrigerant	Refrigerant Type <sup>(7)</sup>	-	R-410A	R-410A	R-410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>	-	2088	2088	2088
	Factory Charging	Kg	1,3	1,5	3,0
	Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> Eq	2,71	3,13	6,26

For generic legal notes, see page 26

<sup>(3)</sup> Energy consumption 254 kWh/year according to the results of the standard tests.

<sup>(3)</sup> Energy consumption 401 kWh/year according to the results of the standard tests.

<sup>(3)</sup> Energy consumption 463 kWh/year according to the results of the standard tests.

<sup>(5)</sup> Energy consumption 847 kWh/year according to the results of the standard tests.

<sup>(5)</sup> Energy consumption 1537 kWh/year according to the results of the standard tests.

<sup>(5)</sup> Energy consumption 2051 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# CAC - Commercial Air Conditioner

Code	Accessories	EAN
<b>PC4NUSKAN</b>	Panel (mandatory)	8806085537149
<b>MWR-WE1IN</b>	Premium wired remote controller	8806088517902
<b>MR-EH00</b>	Wireless remote controller	8806086374361
<b>MWR-SH10N</b>	Simplified wired remote controller	8806086849548
<b>MRW-TA</b>	Outdoor temperature sensor (optional)	8808993622634
<b>MSD-CAN1</b>	Virus Doctor device (optional)	8806071391090
<b>MIM-H03N</b>	Wi-Fi Kit (optional)	8806086830928

AC100MN4DKH/EU AC100MXADKH/EU	AC100MN4DKH/EU AC100MXADNH/EU	AC120MN4DKH/EU AC120MXADKH/EU	AC120MN4DKH/EU AC120MXADNH/EU	AC140MN4DKH/EU AC140MXADKH/EU	AC140MN4DKH/EU AC140MXADNH/EU
8806088576862	8806088576862	8806088576893	8806088576893	8806088576930	8806088576930
8806088576671	8806088576886	8806088576695	8806088576923	8806088576718	8806088576961
10.00 (3.00~12.00)	10.00 (3.00~12.00)	12.00 (3.50~13.50)	12.00 (3.50~13.50)	13.40 (3.50~15.50)	13.40 (3.50~15.50)
3.12 (0.60~4.70)	3.12 (0.60~4.70)	4.70 (0.90~5.30)	4.70 (0.90~7.90)	4.45 (0.80~6.44)	4.45 (0.80~7.90)
6,8	6,8	5,7	5,7	3.0 (EER)	3.0 (EER)
A++	A++	A+	A+	-	-
10,0	10,0	12,0	12,0	-	-
515	515	737	737	-	-
11.20 (2.20~15.50)	11.20 (2.20~15.50)	13.00 (3.50~15.50)	13.00 (3.50~15.50)	15.50 (3.50~18.00)	15.50 (3.50~18.00)
3.10 (0.46~5.40)	3.10 (0.46~5.40)	3.80 (0.75~5.50)	3.80 (0.75~7.90)	4.54 (0.70~7.36)	4.54 (0.70~7.90)
4,3	4,3	4,1	4,1	3.4 (COP)	3.4 (COP)
A+	A+	A+	A+	-	-
6,3	6,3	7,4	7,4	-	-
-	-	-	-	-	-
6,3	6,3	7,4	7,4	-	-
2051	2051	2527	2527	-	-
840x288x840	840x288x840	840x288x840	840x288x840	840x288x840	840x288x840
950x45x950	950x45x950	950x45x950	950x45x950	950x45x950	950x45x950
18	18	18	18	20	20
5,9	5,9	5,9	5,9	5,9	5,9
31,0	31,0	32,0	32,0	32,0	32,0
-	-	-	-	-	-
61	61	61	61	61	61
940x998x330	940x998x330	940x998x330	940x998x330	940x1210x330	940x1210x330
72	72	77	77	87	87
69	69	70	70	69	69
1,220-240,50	3,380-415,50	1,220-240,50	3,380-415,50	1,220-240,50	3,380-415,50
-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
9.52 (3/8") 15.88 (5/8")					
50	50	50	50	75	75
30	30	30	30	30	30
30	30	30	30	30	30
50	50	50	50	50	50
R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
2088	2088	2088	2088	2088	2088
3,0	3,0	3,0	3,0	3,4	3,4
6,26	6,26	6,26	6,26	7,10	7,10

3) Energy consumption 515 kWh/year according to the results of the standard tests.

5) Energy consumption 2051 kWh/year according to the results of the standard tests.

3) Energy consumption 515 kWh/year according to the results of the standard tests.

5) Energy consumption 2051 kWh/year according to the results of the standard tests.

3) Energy consumption 737 kWh/year according to the results of the standard tests.

5) Energy consumption 2527 kWh/year according to the results of the standard tests.

3) Energy consumption 737 kWh/year according to the results of the standard tests.

5) Energy consumption 2527 kWh/year according to the results of the standard tests.

## 4-WAY MINI CASSETTE



- Four-way air supply with adjustable distribution flaps
- Fan with inverter motor; predisposition of the air-inlet to let external air in
- Built-in condensation drain pump (750 mmH2O); antibacterial filter included
- Communication with the "Nasa" protocol; predisposition for secondary pipes
- Virus Doctor device and Motion Sensor (optional); WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz
- Inverter Twin Rotary Compressor - outdoor unit (except from models 2.6/3.5kW Single Rotary)
- Possibility to connect two, three or four indoor units (twin-triple-quadruple)



DIGITAL INVERTER COMPRESSOR



ANTIBACTERIAL FILTER



WIDE AIR DISTRIBUTION



EXTERNAL AIR INTAKE



INTEGRATED CONDENSATION DRAIN PUMP

Model	Indoor Unit Outdoor Unit	AC026MNNDKH/EU AC026MXADKH/EU	AC035MNNDKH/EU AC035MXADKH/EU	
EAN	Indoor Unit Outdoor Unit	8806088576459 8806088576466	8806088576763 8806088576497	
Cooling	Std Capacity (Min~Max) <sup>(1)</sup> Std Absorption (Min~Max) <sup>(1)</sup> SEER: Seasonal Energy Efficiency Ratio Seasonal Energy Efficiency Class Design Heat Load (Pdesignc) <sup>(2)</sup> Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kW kW - - kW kWh/a	2,60 (1.00~3.40) 0,68 (0.24~1.20) 6,9 A++ 2,6 132	3,50 (1.00~4.00) 1,09 (0.24~1.50) 6,8 A++ 3,5 180
Heating	Std Capacity (Min~Max) <sup>(1)</sup> Std Absorption (Min~Max) <sup>(1)</sup> SCOP: Seasonal Coefficient of Performance Seasonal Energy Efficiency Class Design Heat Load (Pdesignc) <sup>(4)</sup> Electric back-up heater capacity elbu (Tj) Declared capacity Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kW kW - - kW kW kW kWh/a	3,40 (0.98~4.10) 0,90 (0.20~1.45) 4,1 A+ 2,1 - 2,1 684	4,00 (1.00~4.80) 1,20 (0.19~1.80) 4,3 A+ 2,1 - 2,1 684
Indoor Unit	Dimensions (WxHxD) Panel Dimensions (WxHxD) Weight Panel Weight Treated Air (Max) Static Pressure Min-Std-Max Sound Power Level	mm mm Kg Kg m3/min mmH2O dB(A)	575x250x575 670x45x670 11,4 2,7 8,0 - 48	575x250x575 670x45x670 11,4 2,7 9,2 - 50
Outdoor Unit	Dimensions (WxHxD) Weight Sound Pressure Level Power Supply Operating Range (Cooling) Operating Range (Heating)	mm Kg dB(A) Ø, V, Hz °C °C	790x548x285 32,8 59 1,220-240, 50 -15~50 -20~24	790x548x285 32,8 61 1,220-240, 50 -15~50 -20~24
Installation Data	Liquid/Gas Piping Piping Length Max Maximum Elevation Gap (Indoor/Outdoor Unit) Maximum Piping Length without Adding Refrigerant Additional Refrigerant Charging	Ømm (inch) m m m g/m	6.35 (1/4") 9.52 (3/8") 20 15 20 0	6.35 (1/4") 9.52 (3/8") 20 15 20 0
Refrigerant	Refrigerant Type <sup>(7)</sup> GWP: Global warming potential of the used refrigerant <sup>(7)</sup> Factory Charging Ton equivalent CO <sub>2</sub>	- - Kg tCO <sub>2</sub> Eq	R-410A 2088 1,05 2,19	R-410A 2088 1,05 2,19

For generic legal notes, see page 26

<sup>3)</sup> Energy consumption 132 kWh/year according to the results of the standard tests.

<sup>3)</sup> Energy consumption 180 kWh/year according to the results of the standard tests.

<sup>5)</sup> Energy consumption 684 kWh/year according to the results of the standard tests.

<sup>5)</sup> Energy consumption 684 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# CAC - Commercial Air Conditioner

Code	Accessories	EAN
PC4SUSMAN	Panel (mandatory)	8806085537187
MWR-WE1IN	Premium wired remote controller	8806088517902
MR-EH00	Wireless remote controller	8806086374361
MWR-SH10N	Simplified wired remote controller	8806086849548
MRW-TA	Outdoortemperature sensor (optional)	8808993622634
MSD-CAN1	Virus Doctor device (optional)	8806071391090
MCR-SMA	Motion sensor (optional)	8806085000995
MIM-H03N	WI-FI Kit (optional)	8806086830928

AC052MNNDKH/EU	AC060MNNDKH/EU	AC071MNNDKH/EU
AC052MXADKH/EU	AC060MXADKH/EU	AC071MXADKH/EU
8806088576541	8806088576565	8806088576602
8806088576794	8806088576800	8806088576619
5.00 (1,30~5,90)	5,80 (1,80~6,50)	6,80 (2,20~8,00)
1,53 (0,31~2,10)	2,15 (0,38~2,60)	2,72 (0,35~3,95)
6,5	6,2	6
A++	A++	A+
5,0	5,8	6,8
269	327	397
5,50 (1,30~7,50)	7,00 (1,60~9,00)	7,50 (1,90~9,00)
1,52 (0,35~2,40)	2,32 (0,35~3,60)	2,80 (0,35~3,95)
4,1	4	3,8
A+	A+	A
2,6	2,6	4
-	-	-
2,6	2,6	4
888	910	1474
575x250x575	575x250x575	575x250x575
670x45x670	670x45x670	670x45x670
11,6	11,6	11,8
2,7	2,7	2,7
10,5	11,0	11,5
-	-	-
56	56	58
880x638x310	880x638x310	880x798x310
43,8	43,8	53
62	62	65
1,220-240, 50	1,220-240, 50	1,220-240, 50
-15~50	-15~50	-15~50
-20~24	-20~24	-20~24
6,35 (1/4") 12,70 (1/2")	6,35 (1/4") 12,70 (1/2")	6,35 (1/4") 15,88 (5/8")
30	30	50
20	20	30
5	5	5
10	10	20
R-410A	R-410A	R-410A
2088	2088	2088
1,3	1,3	1,5
2,71	2,71	3,13

3) Energy consumption 269 kWh/year according to the results of the standard tests.

5) Energy consumption 888 kWh/year according to the results of the standard tests.

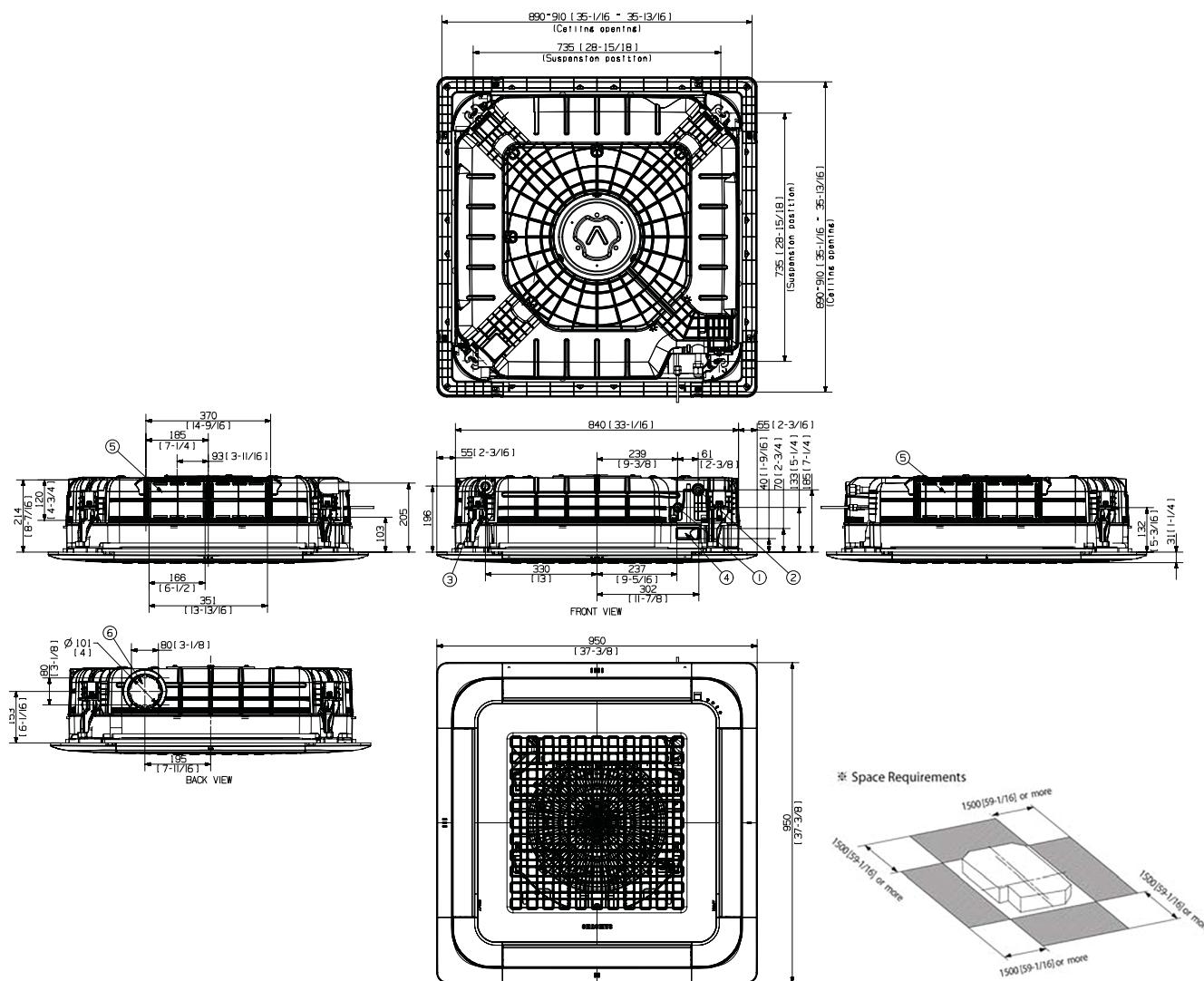
3) Energy consumption 327 kWh/year according to the results of the standard tests.

5) Energy consumption 910 kWh/year according to the results of the standard tests.

3) Energy consumption 397 kWh/year according to the results of the standard tests.

5) Energy consumption 1474 kWh/year according to the results of the standard tests.

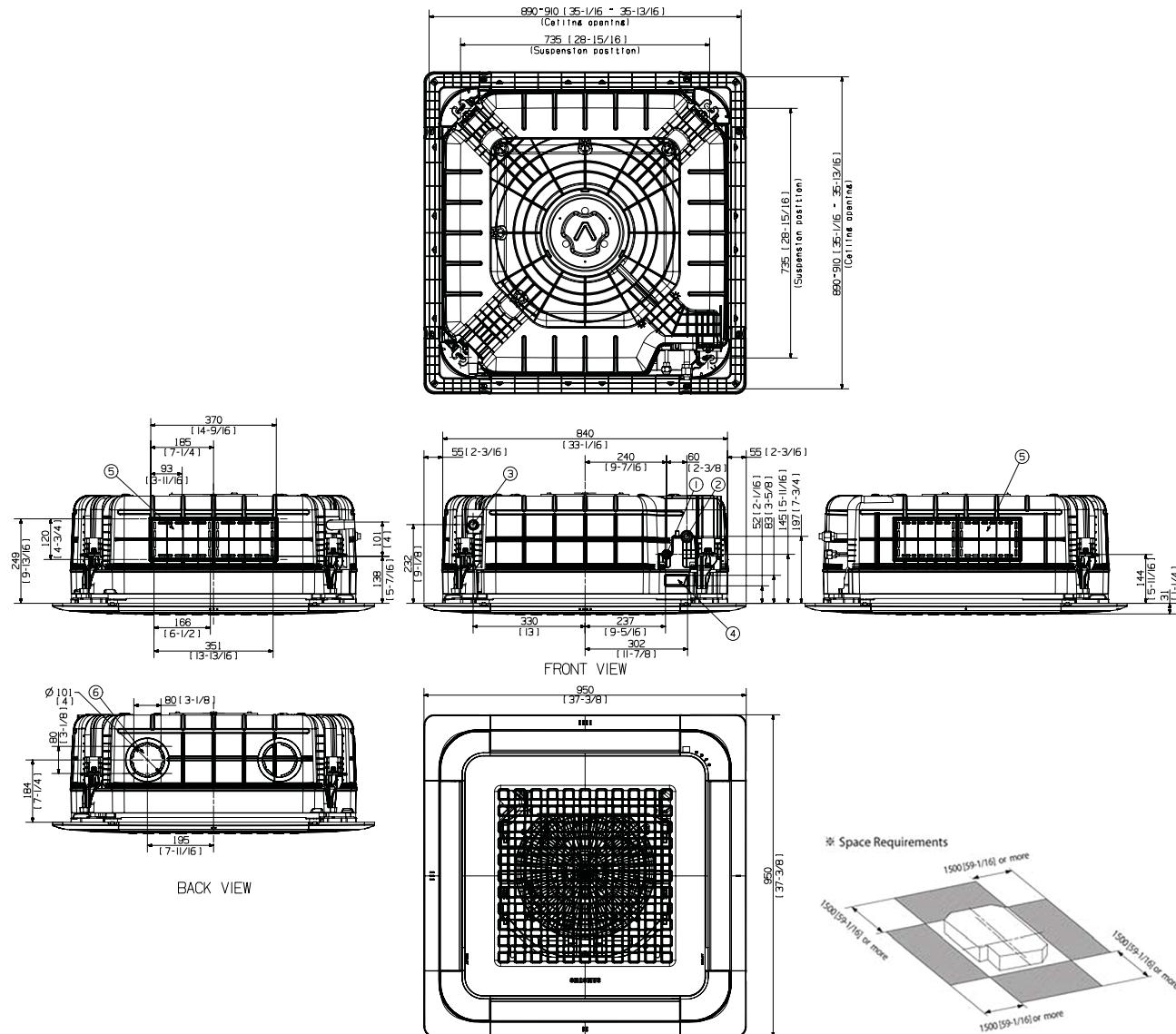
## 4-WAY CASSETTE

AC052MN4DKH/EU  
AC071MN4DKH/EU

Pos.	Name	Model	
		AC052MN4DKH/EU	AC071MN4DKH/EU
1	Liquid piping	Ø 6,35 mm (1/4")	
2	Gas piping	Ø 12,7 mm (1/2")	Ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)	
4	Power supply cables connection / communication	-	
5	Secondary pipe	M4 Screws	
6	Predisposition air intake	Ø 100 mm [4] - M4 Screws	

## 4-WAY CASSETTE

AC090MN4DKH/EU  
AC100MN4DKH/EU  
AC120MN4DKH/EU  
AC140MN4DKH/EU

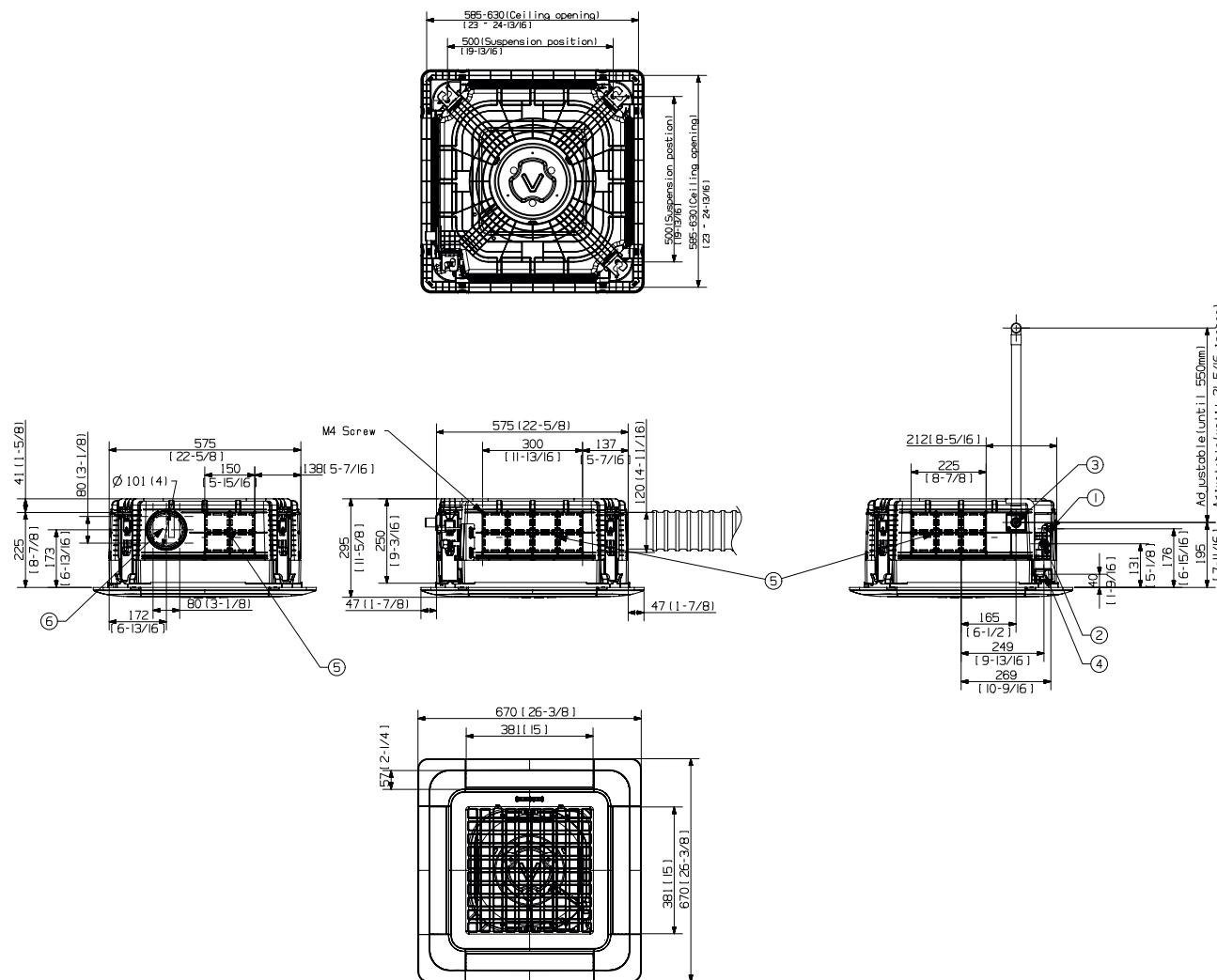


Pos.	Name	Description
1	Liquid piping	Ø 9,52 mm (3/8")
2	Gas piping	Ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communication	-
5	Secondary pipe	M4 Screws
6	Predisposition air intake	Ø 100 mm [4] - M4 Screws

## TECHNICAL DRAWINGS INDOOR UNIT

### 4-WAY MINI CASSETTE

AC026MNNDKH/EU  
AC035MNNDKH/EU  
AC052MNNDKH/EU  
AC060MNNDKH/EU  
AC071MNNDKH/EU



		Model		
Pos.	Name	AC026MNNDKH/EU AC035MNNDKH/EU	AC052MNNDKH/EU AC060MNNDKH/EU	AC071MNNDKH/EU
1	Liquid piping		Ø 6,35 mm (1/4")	
2	Gas piping	Ø 9,52mm (3/8")	Ø 12,7 mm (1/2")	Ø 15,88 mm (5/8")
3	Condensation drain piping		VP-25 (OD32, ID25)	
4	Power supply cables connection / communication		-	
5	Secondary pipe		M4 Screws	
6	Predisposition air intake		Ø100 mm [4] - M4 Screws	

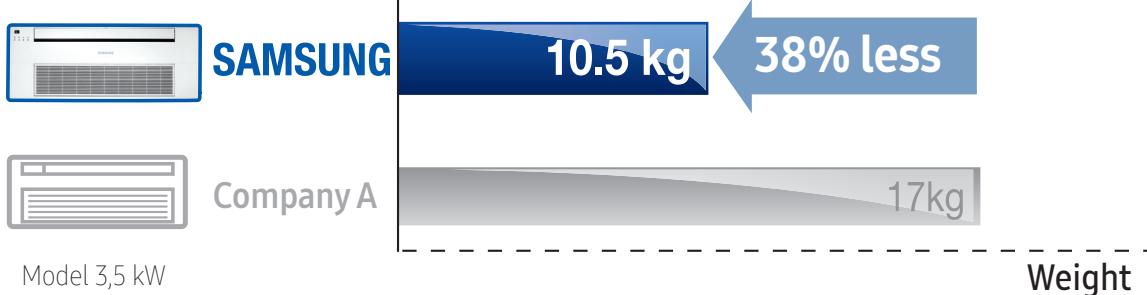


# 1-WAY SLIM CASSETTE



## LIGHTER INDOOR UNIT

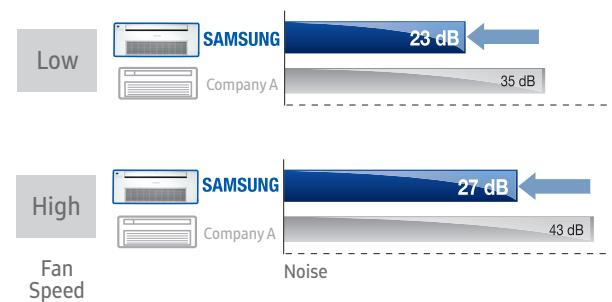
The usage of the ABS material for the indoor units makes cassettes light and easy to install.





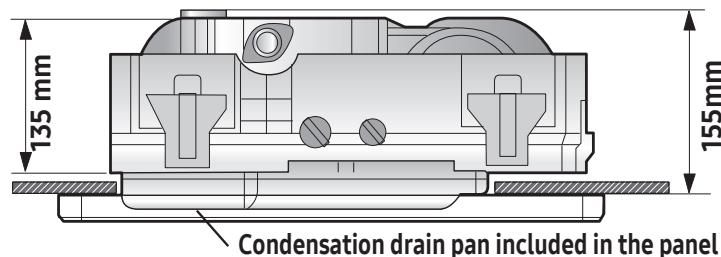
## NOISELESSNESS

The flap was designed to reduce the sound emissions of the unit.



## SLIM DESIGN

The 1-way slim cassette has a thickness of just 135 mm and can be also installed in the lowest suspended ceilings.



### NOTE

Be sure that at least 170 mm. are available for the installation.

## NON-RETURN VALVE

The non-return valve in the drain pump prevents the condensation from flowing backwards to the drain pan. In this way the water level in the drain pan is kept under control and water stagnation is prevented.



One-way flow



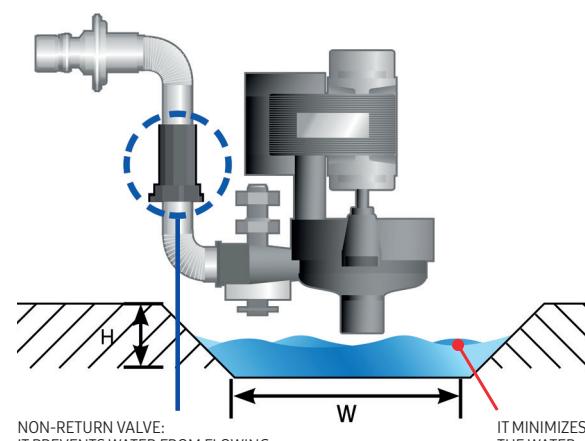
No dust



No spillages



No stagnation



## 1-WAY SLIM CASSETTE



- 1-way air supply with adjustable distribution flaps
- Tangent fan with single-phase motor; height of only 135 mm
- Built-in condensation drain pump (750 mmH2O); antibacterial filter included
- Communication with the "Nasa" protocol
- WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz
- Single Rotary Inverter Compressor - Indoor Unit
- Possibility to connect two, three or four indoor units (twin-triple-quadruple)



DIGITAL INVERTER COMPRESSOR



WIDE AIR DISTRIBUTION



NO DUST



INTEGRATED CONDENSATION DRAIN PUMP

Model	Indoor Unit		AC026MN1PKH/EU	AC035MN1PKH/EU
	Outdoor Unit		AC026MXADKH/EU	AC035MXADKH/EU
EAN	Indoor Unit		8806088576428	8806088576732
	Outdoor Unit		8806088576466	8806088576497
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2.60 (0.96~3.50)	3.50 (1.00~4.10)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	0.72 (0.25~1.20)	1.09 (0.24~1.50)
	SEER: Seasonal Energy Efficiency Ratio	-	6,2	6,1
	Seasonal Energy Efficiency Class	-	A++	A++
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,6	3,5
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	147	201
Heating	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3.30 (0.98~4.40)	4.00 (1.00~5.00)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	0.96 (0.20~1.45)	1.39 (0.19~1.80)
	SCOP: Seasonal Coefficient of Performance	-	4,0	4,0
	Seasonal Energy Efficiency Class	-	A+	A+
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2	2
	Electric back-up heater capacity elbu (Tj)	kW	-	-
Indoor Unit	Declared capacity	kW	2	2
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	700	700
	Dimensions (WxHxD)	mm	970x135x410	970x135x410
	Panel Dimensions (WxHxD)	mm	1180x25x460	1180x25x460
	Weight	Kg	9,5	9,5
	Panel Weight	Kg	3,1	3,1
Outdoor Unit	Treated Air (Max)	m3/min	7,3	9,0
	Static Pressure Min-Std-Max	mmH2O	-	-
	Sound Power Level	dB(A)	52	55
	Dimensions (WxHxD)	mm	790x548x285	790x548x285
	Weight	Kg	32,8	32,8
	Sound Pressure Level	dB(A)	59	61
Installation Data	Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
	Operating Range (Cooling)	°C	-15~50	-15~50
	Operating Range (Heating)	°C	-20~24	-20~24
	Liquid/Gas Piping	Ømm (inch)	6.35 (1/4") 9.52 (3/8")	6.35 (1/4") 9.52 (3/8")
	Piping Length Max	m	20	20
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	15	15
Refrigerant	Maximum Piping Length without Adding Refrigerant	m	20	20
	Additional Refrigerant Charging	g/m	0	0
	Refrigerant Type <sup>(7)</sup>	-	R-410A	R-410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>	-	2088	2088
	Factory Charging	Kg	1,05	1,05
	Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> Eq	2,19	2,19

For generic legal notes, see page 26

The actual consumption depends on how the device is used and on the place in which it is installed.

3) Energy consumption 147 kWh/year according to the results of the standard tests.  
5) Energy consumption 700 kWh/year according to the results of the standard tests.

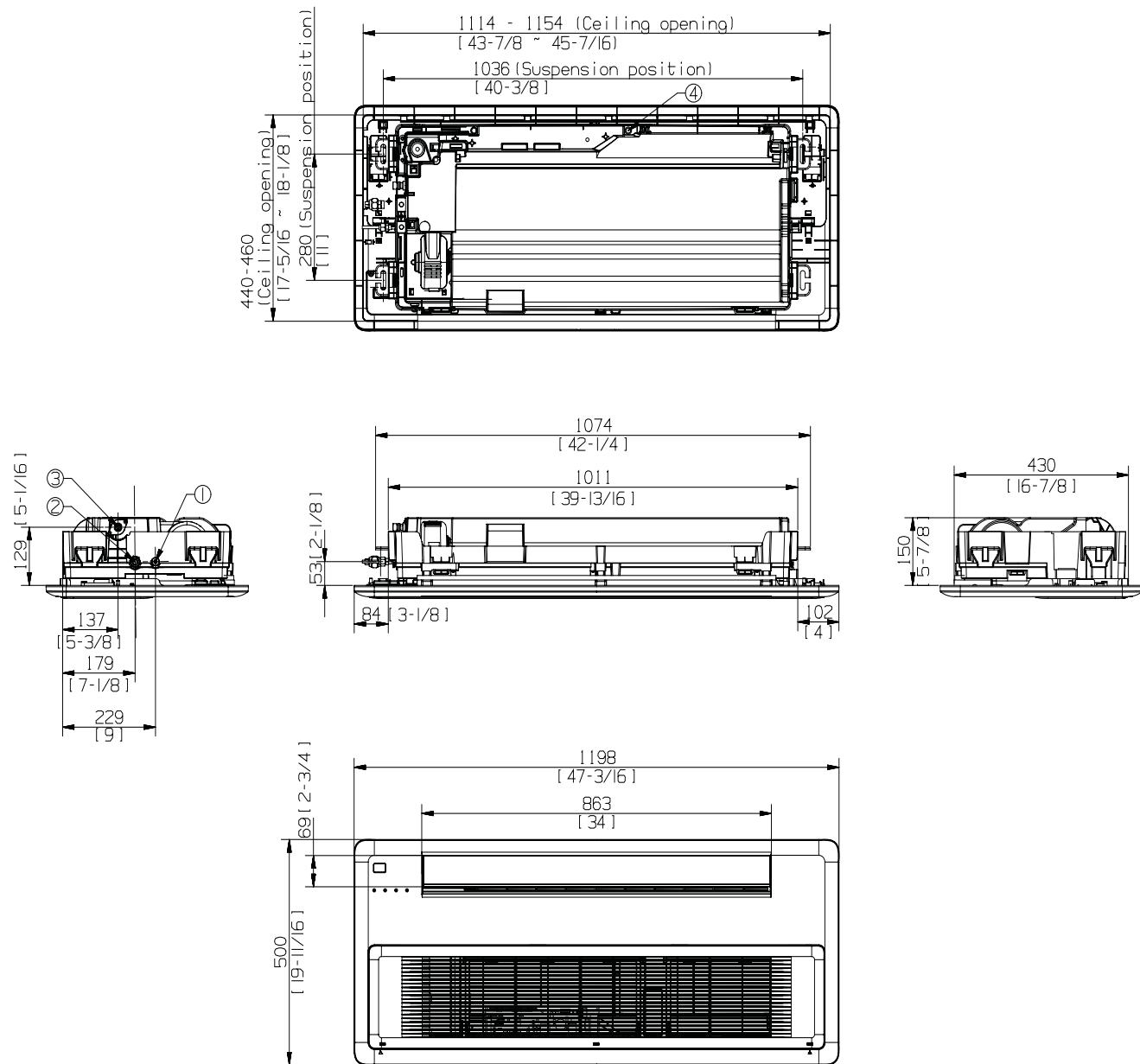
3) Energy consumption 201 kWh/year according to the results of the standard tests.  
5) Energy consumption 700 kWh/year according to the results of the standard tests.

Code	Accessories	EAN
PC1NUSMAN	Panel (mandatory)	8806085537231
MWR-WE11N	Premium wired remote controller	8806088517902
MR-EH00	Wireless remote controller	8806086374361
MWR-SH10N	Simplified wired remote controller	8806086849548
MRW-TA	Outdoor temperature sensor (optional)	8808993622634
MIM-H03N	WI-FI kit (optional)	8806086830928

## TECHNICAL DRAWINGS INDOOR UNIT

### 1-WAY SLIM CASSETTE

AC026MN1PKH/EU  
AC035MN1PKH/EU



Pos.	Name	Description
1	Liquid piping	ø 6,35 mm (1/4")
2	Gas piping	ø 9,52 mm (3/8")
3	Condensation drain piping	VP-20 (OD26, ID20)
4	Power supply cables connection / communication	-

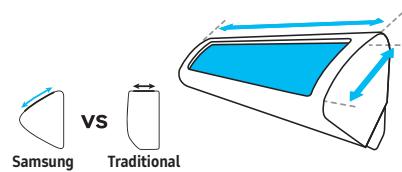
# WALL-MOUNTED AR5000



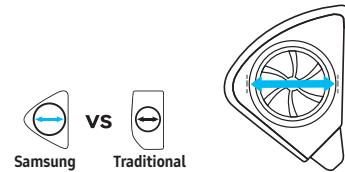
## TRIANGLE DESIGN A FASTER AND MORE EVEN COOLING

The new triangular design enables to have a wide air inlet and outlet grille, a wide air supply and a bigger fan in order to let air into the room in a faster and more even way.

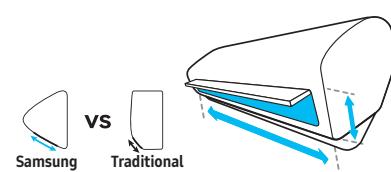
### WIDE AIR INLET GRILLE



### BIGGER FAN

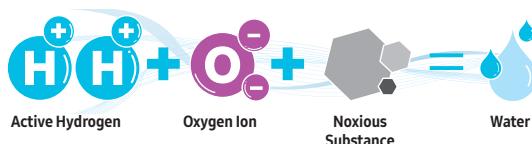


### WIDE AIR SUPPLY OUTLET





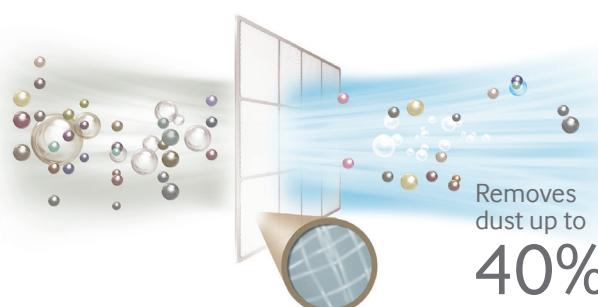
## VIRUS DOCTOR COOL THE AIR IN THE HOUSE AND THOROUGHLY PURIFY IT



### EFFECTIVE AGAINST



## HD FILTER A VALUABLE ALLY AGAINST ALLERGIES



## SMART CONTROL CONTROL THE TEMPERATURE WHENEVER YOU WANT AND WHEREVER YOU WANT



The Virus Doctor device generates hydrogen ions ( $H^+$ ) that link to the electrons ( $e^-$ ) produced by the same device turn into active hydrogen atoms. In the same way, the oxygen in the air joins the electrons and turns into oxygen ions ( $O_2^-$ ).

The active hydrogen atoms and the oxygen ions adhere to the harmful particle surface. The harmful particle decomposes while the active hydrogen atoms, the oxygen ions and the hydrogen of the particle turn into water that spreads in the environment.

The new-generation filter removes the most common harmful agents from air and contributes to creating a healthy and comfortable household atmosphere.

### HOW DOES IT WORK?

Samsung Smart Home is the ideal solution to control the operation and the settings of the air conditioner and of other household appliances. Thanks to the Wi-Fi system it is possible to connect all devices and to set the switching on and off of the indoor units.

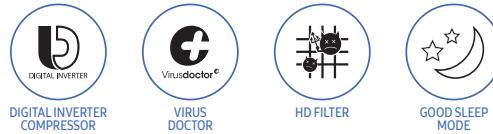
### CONTROL THE TEMPERATURE ALSO WHEN YOU ARE AWAY FROM HOME

The practical functionality of Samsung Smart Home App enables to activate the air conditioner also when you are not at home in order to set an ideal temperature to live at the best relaxing moments.

## WALL-MOUNTED AR5000



- Fan with inverter motor; HD filter included
- Triangle Design; "Good Sleep" mode
- Wireless remote controller included
- Communication with "Nasa" protocol
- WI-FI kit (optional)
- Power supply: Single-phase 220 V - 50 Hz
- Inverter Twin Rotary compressor - outdoor unit (except from models 2.6/3.5kW Single Rotary)
- Possibility to connect two, three, or four indoor units (twin-triple-quadruple)



Model	Indoor Unit Outdoor Unit	AC026MNADKH/EU		AC035MNADKH/EU		AC052MNADKH/EU		AC071MNADKH/EU	
		AC026MXADKH/EU	AC035MXADKH/EU	AC052MXADKH/EU	AC071MXADKH/EU				
EAN	Indoor Unit	8806088576435	8806088576749	8806088576770	8806088576817				
	Outdoor Unit	8806088576466	8806088576497	8806088576794	8806088576619				
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2.60 (1.10~3.40)	3.50 (1.20~3.90)	5.00 (1.90~5.60)	7.10 (2.20~8.00)			
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	0.74 (0.24~1.20)	1.10 (0.25~1.60)	2.20 (0.40~2.30)	2.52 (0.35~3.95)			
	SEER: Seasonal Energy Efficiency Ratio	-	6,4	6,3	6,2	6,3			
	Seasonal Energy Efficiency Class	-	A++	A++	A++	A++			
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,6	3,5	5,0	7,1			
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	142	194	282	394			
Heating	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3.30 (1.00~4.00)	4.00 (1.10~4.70)	6.00 (1.50~6.25)	8.00 (1.90~9.00)			
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	1.00 (0.21~1.45)	1.60 (0.23~1.80)	1.90 (0.34~3.15)	2.55 (0.35~3.95)			
	SCOP: Seasonal Coefficient of Performance	-	4,0	4,0	3,8	4,0			
	Seasonal Energy Efficiency Class	-	A+	A+	A	A			
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2	2	2,4	3,6			
	Electric back-up heater capacity elbu (Tj)	kW	-	-	-	-			
	Declared capacity	kW	2	2	2,4	3,6			
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	700	700	884	1260			
Indoor Unit	Dimensions (WxHxD)	mm	750x249x246	750x249x246	896x261x261	1065x301x294			
	Panel Dimensions (WxHxD)	mm	-	-	-	-			
	Weight	Kg	7,6	7,6	10,8	14,4			
	Panel Weight	Kg	-	-	-	-			
	Treated Air (Max)	m <sup>3</sup> /min	7,7	8,5	10,7	17,1			
	Static Pressure Min-Std-Max	mmH2O	-	-	-	-			
	Sound Power Level	dB(A)	56	59	60	61			
Outdoor Unit	Dimensions (WxHxD)	mm	790x548x285	790x548x285	880x638x310	880x798x310			
	Weight	Kg	32,8	32,8	43,8	53			
	Sound Pressure Level	dB(A)	59	61	62	65			
	Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50			
	Operating Range (Cooling)	°C	-15~50	-15~50	-15~50	-15~50			
	Operating Range (Heating)	°C	-20~24	-20~24	-20~24	-20~24			
Installation Data	Liquid/Gas Piping	Ømm (inch)	6.35 (1/4") 9.52 (3/8")	6.35 (1/4") /9.52 (3/8")	6.35 (1/4") 12.70 (1/2")	6.35 (1/4") 15.88 (5/8")			
	Piping Length Max	m	20	20	30	50			
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	15	15	20	30			
	Maximum Piping Length without Adding Refrigerant	m	20	20	5	5			
	Additional Refrigerant Charging	g/m	0	0	10	20			
Refrigerant	Refrigerant Type <sup>(7)</sup>	-	R-410A	R-410A	R-410A	R-410A			
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>	-	2088	2088	2088	2088			
	Factory Charging	Kg	1,05	1,05	1,30	1,30			
	Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> Eq	2,19	2,19	2,71	2,71			

For generic legal notes, see page 26

The actual consumption depends on how the device is used and on the place in which it is installed.

3) Energy consumption 142 kWh/year according to the results of the standard tests.  
5) Energy consumption 700 kWh/year according to the results of the standard tests.

3) Energy consumption 194 kWh/year according to the results of the standard tests.  
5) Energy consumption 700 kWh/year according to the results of the standard tests.

3) Energy consumption 282 kWh/year according to the results of the standard tests.  
5) Energy consumption 884 kWh/year according to the results of the standard tests.

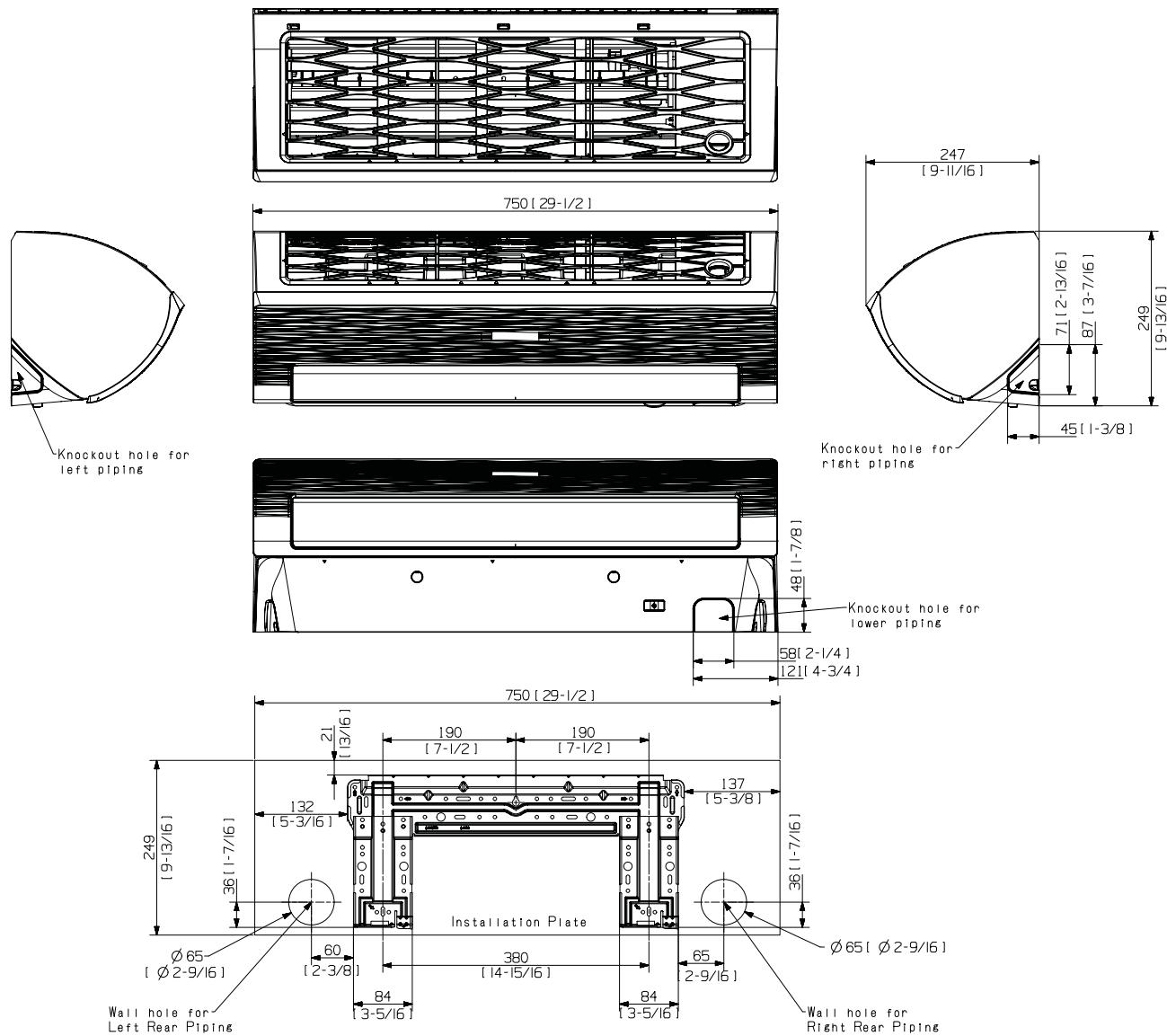
3) Energy consumption 394 kWh/year according to the results of the standard tests.  
5) Energy consumption 1260 kWh/year according to the results of the standard tests.

Code	Accessories	EAN
MWR-WE1N	Premium wired remote controller	8806088517902
MWR-SH10N	Simplified wired remote controller	8806086849548
MRW-TA	Outdoor temperature sensor (optional)	8808993622634
MIM-H03N	WI-FI Kit (optional)	8806086830928



## WALL-MOUNTED AR5000

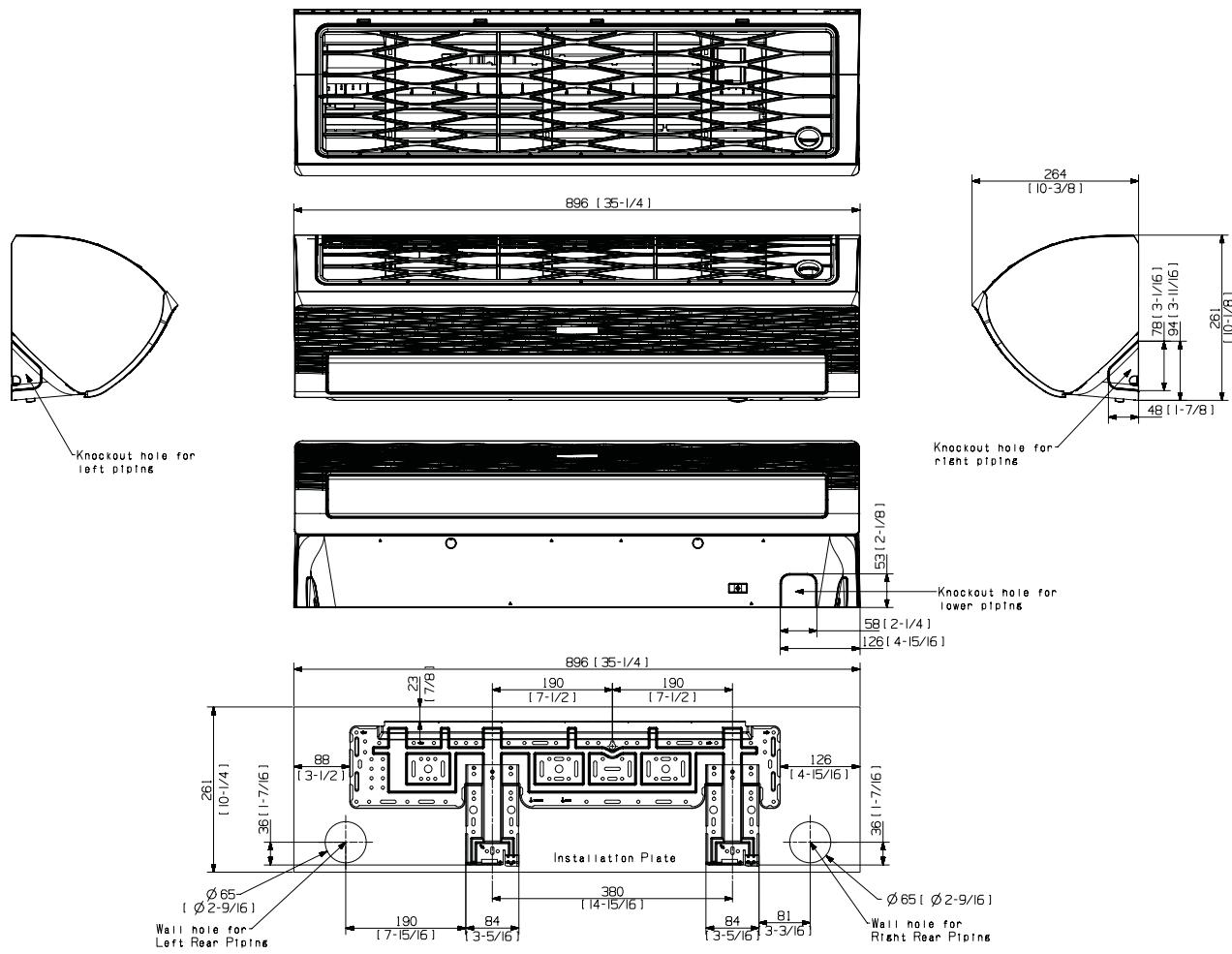
AC026MNADKH/EU  
AC035MNADKH/EU



TECHNICAL DRAWINGS INDOOR UNIT

WALL-MOUNTED AR5000

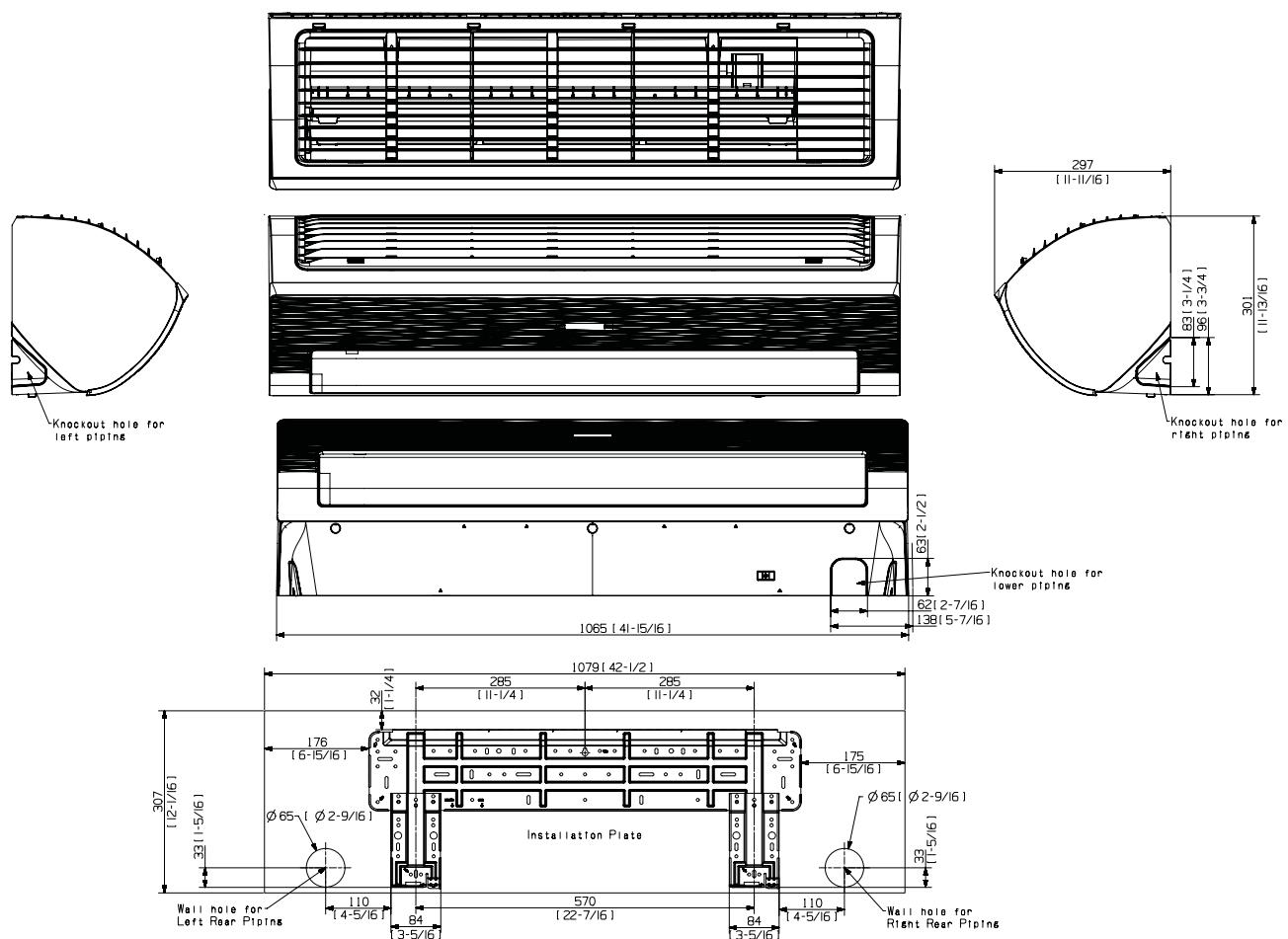
AC052MNADKH/EU





## WALL-MOUNTED AR5000

AC071MNADKH/EU



# DUCT



## RECORD-BREAKING EFFICIENCY

Thanks to the usage of innovative technologies, Samsung ductable units ensure excellent performances with the lowest electrical energy consumption.



## TWIN ROTARY BLDC COMPRESSOR

The inverter-based Twin Rotary BLDC compressor ensures a balancing and a vibration reduction by 75% compared to the conventional models.

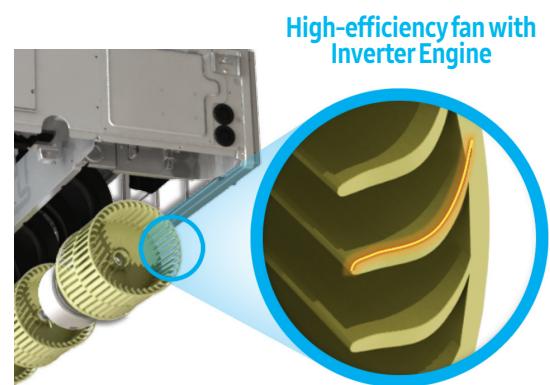
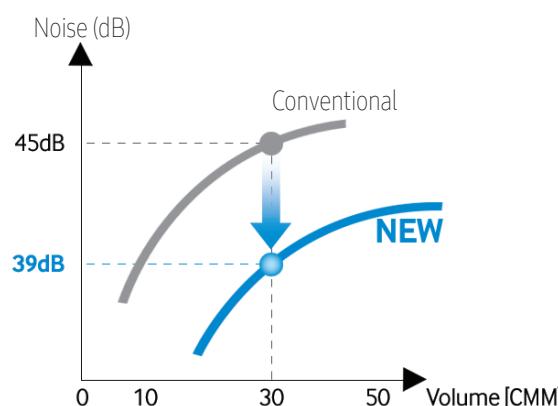
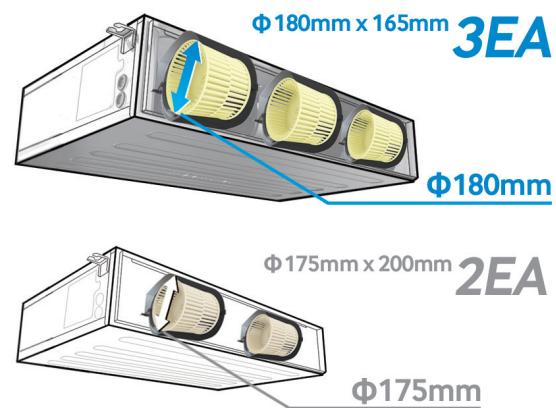


## NEW FAN SCIROCCO INVERTER

It enables to manage a greater air flow and ensures a more even air distribution.

## REDUCED NOISE LEVEL AND INCREASED AIR FLOW

Thanks to the aerodynamic profile, the Inverter fan manages 10% more air and reduces the noise level by 6 dB(A) compared to the conventional models.

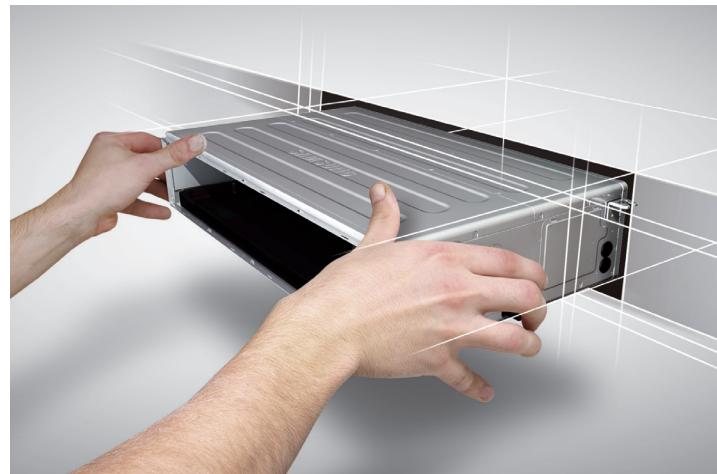


## MAXIMUM COMFORT



## SIMPLIFIED INSTALLATION

Thanks to the ultra-compact design, Samsung duct units can be placed anywhere and can make the installation and maintenance easier.



## REDUCED SIZE AND WEIGHT

Reduced volume by 30% and lower weight compared to the traditional units. This ensures a greater installation flexibility.



## SPLITTING OF THE INDOOR UNIT

(18/20/25 kW)

The indoor unit can be split into two parts (battery and fan in order to make installation easier).



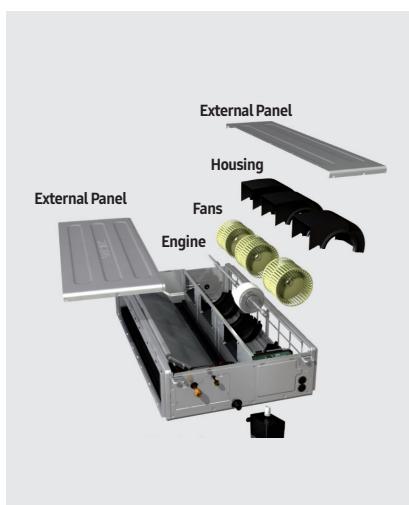
## EASY MAINTENANCE

The indoor unit can be accessed from three different sides: from the top, from the bottom and from one side; this simplifies the usual maintenance activities.\*

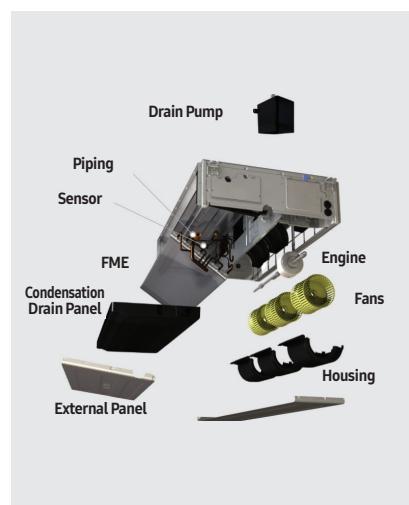


\* To be checked according to the model

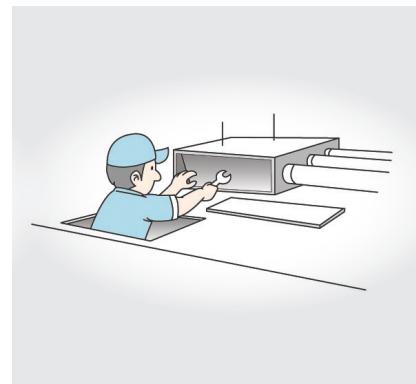
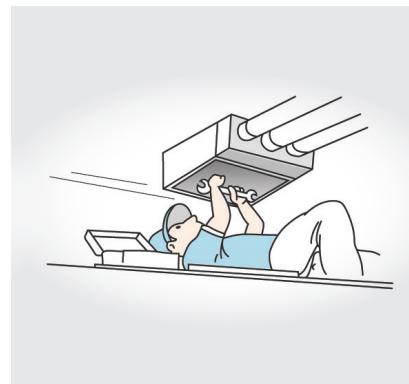
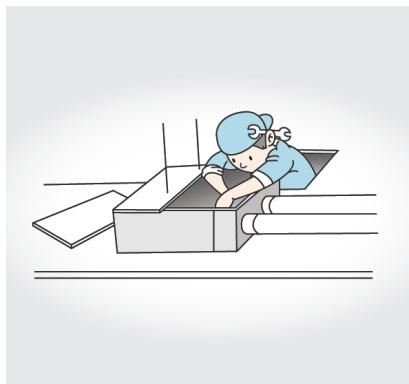
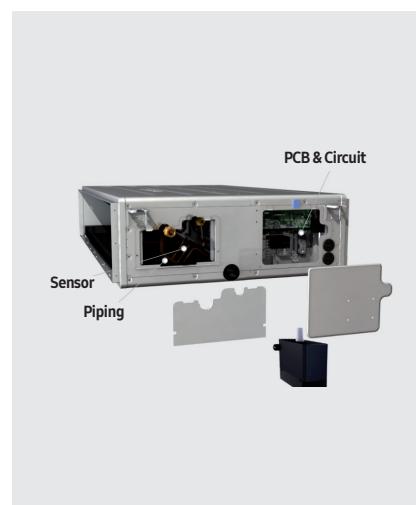
### ACCESSIBLE FROM THE TOP



### ACCESSIBLE FROM THE BOTTOM

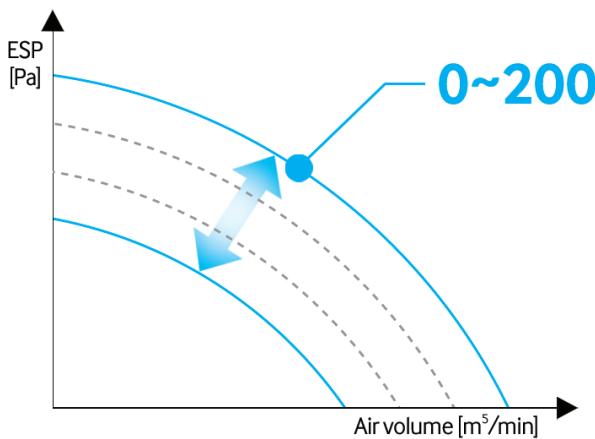


### ACCESSIBLE FROM THE SIDE



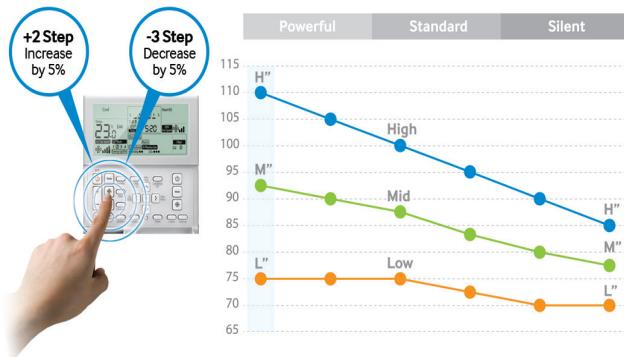
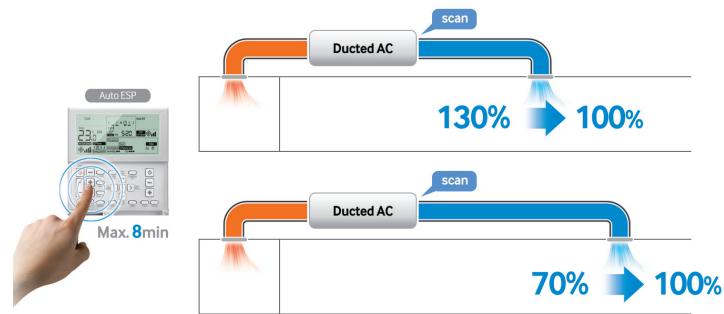
## HIGH PREVALENCE

The maximum prevalence of the duct units reaches 200 Pa (for high-prevalence models) and can be adjusted to the new steps according to the pressure loss of the channel.



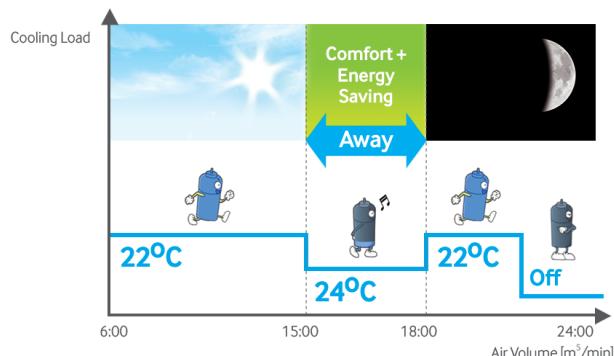
## AUTOMATIC ADJUSTMENT PREVALENCE/AIR FLOW

Thanks to the automatic setting executed through the wired remote controller, the system automatically sets the fan curve according to the pressure loss of the channel.



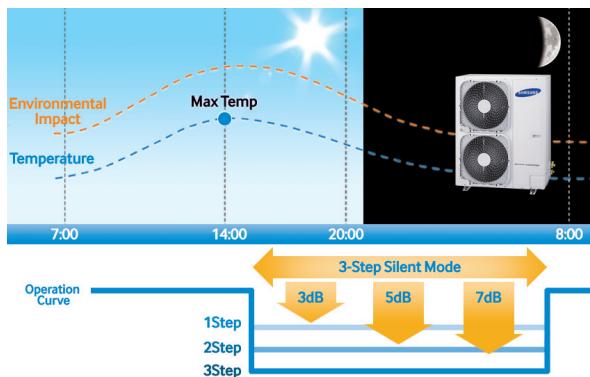
## "SMART TUNING" MODE

Through this function it is possible to adjust the air flow to different steps in order to quickly adjust the temperature or to have a greater efficiency and a reduced noise level.



## "AWAY FROM HOME" MODE

You can set this function when you leave the rooms in order to set an holding temperature and keep the comfort, however with a relevant energy saving.

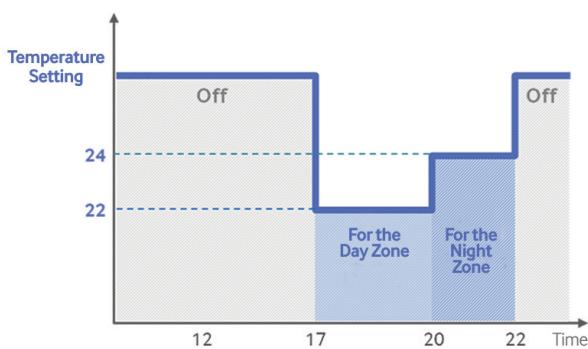


## "SILENT" MODE

If you set this mode it is possible to reduce the noise level by maximum 7 dB(A) during the night.

## WEEKLY SCHEDULE SETTINGS

Through the MWR-WE11N function, it is possible to set two different daily schedule settings for a total of fourteen weekly schedule settings.





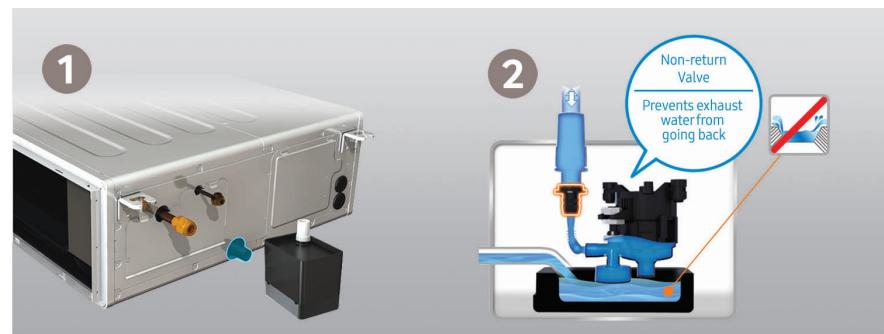
## HEAVY-DUTY DESIGN



The strong structure of the indoor unit enables it to stand the different environmental conditions.

## DRAIN PUMP

(optional)



The condensation drain pump (optional) is installed externally to the indoor unit and it is equipped with a check (non-return) valve so that condensation does not flow backwards.

## SMART WI-FI

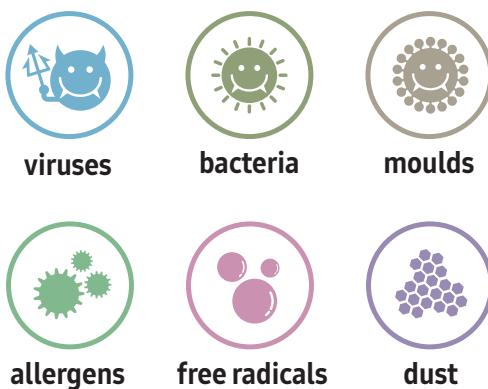
MIM-H03N (optional)

Through the optional Wi-Fi kit, Samsung ductable units can be remotely managed by means of the dedicated Smart Home APP that can be downloaded to a Smartphone or a Tablet.



## VIRUS DOCTOR DEVICE

MSD-EAN1 (optional)



The efficient device is ideal to purify air from viruses, allergens and bacteria.

## HIGH-EFFICIENCY FILTER



The high-efficiency filter can be simply removed and cleaned for an easier maintenance.

## LSP DUCT



- Fan with inverter motor; prevalence adjustable up to 40Pa; thickness of just 200mm
- 750 mmH2O condensation drain pump (optional); antibacterial filter included
- Communication with the "Nasa" protocol
- Virus Doctor device only for 5.2/7.1 models (optional); WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz
- Inverter Twin Rotary compressor – outdoor unit (except from 2.6/3.5kW models - Single Rotary)
- Possibility to connect two, three or four indoor units (twin-triple-quadruple)



DIGITAL INVERTER COMPRESSOR



ANTIBACTERIAL FILTER



VIRUS DOCTOR (OPTIONAL)



INTEGRATED CONDENSATION DRAIN PUMP (OPTIONAL)

Model	Indoor Unit Outdoor Unit	AC026MNLDKH/EU AC026MXADKH/EU
EAN	Indoor Unit Outdoor Unit	8806088576442 8806088576466
Cooling	Std Capacity (Min~Max) <sup>(1)</sup> Std Absorption (Min~Max) <sup>(1)</sup> SEER: Seasonal Energy Efficiency Ratio Seasonal Energy Efficiency Class Design Heat Load (Pdesignc) <sup>(2)</sup> Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kW kW - - kW kWh/a
	2.60 (0.95~3.50) 0.76 (0.24~1.20) 6,1 A++ 2,6 149	
Heating	Std Capacity (Min~Max) <sup>(1)</sup> Std Absorption (Min~Max) <sup>(1)</sup> SCOP: Seasonal Coefficient of Performance Seasonal Energy Efficiency Class Design Heat Load (Pdesignc) <sup>(4)</sup> Electric back-up heater capacity elbu (Tj) Declared capacity Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kW kW - - kW kW kW kWh/a
	3.30 (0.98~4.30) 0.87 (0.20~1.45) 4,0 A+ 2 - 2 700	
Indoor Unit	Dimensions (WxHxD) Panel Dimensions (WxHxD) Weight Panel Weight Treated Air (Max) Static Pressure Min-Std-Max Sound Power Level	mm mm Kg Kg m3/min mmH2O dB(A)
	700x199x600 - 19,4 - 9,0 0-2.5-4.0 53	
Outdoor Unit	Dimensions (WxHxD) Weight Sound Pressure Level Power Supply Operating Range (Cooling) Operating Range (Heating)	mm Kg dB(A) Ø, V, Hz °C °C
	790x548x285 32,8 59 1,220-240,50 -15~50 -20~24	
Installation Data	Liquid/Gas Piping Piping Length Max Maximum Elevation Gap (Indoor/Outdoor Unit) Maximum Piping Length without Adding Refrigerant Additional Refrigerant Charging	Ømm (inch) m m m g/m
	6.35 (1/4") 9.52 (3/8") 20 15 20 0	
Refrigerant	Refrigerant Type <sup>(7)</sup> GWP: Global warming potential of the used refrigerant <sup>(7)</sup> Factory Charging Ton equivalent CO <sub>2</sub>	- - Kg tCO <sub>2</sub> Eq
	R-410A 2088 1,05 2,19	

For generic legal notes, see page 26

3) Energy consumption 149 kWh/year according to the results of the standard tests.

5) Energy consumption 700 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# CAC - Commercial Air Conditioner

Code	Accessories	EAN
<b>MWR-WE1N</b>	Premium wired remote controller	8806088517902
<b>MR-EH00</b>	Wireless remote controller (to be matched with MRK-A10N)	8806086374361
<b>MRK-A10N</b>	Complete connector receiver (to be matched with MR-EH00)	8806085545533
<b>MWR-SH10N</b>	Simplified wired remote controller	8806086849548
<b>MDP-E075SEE3D</b>	Internal condensation drain pump (2.6~3.5 kW) (optional)	8806085537200
<b>MDP-G075SP</b>	External condensation drain pump (5.2~7.1 kW) (optional)	8806086250658
<b>MSD-EAN1</b>	Virus Doctor device (only for 5.2~7.1kW) (optional)	8806071337357
<b>MRW-TA</b>	External temperature sensor (optional)	8808993622634
<b>MIM-H03N</b>	WI-FI kit (optional)	8806086830928

AC035MNLDKH/EU	AC052MNLDKH/EU	AC071MNLDKH/EU
AC035MXADKH/EU	AC052MXADKH/EU	AC071MXADKH/EU
8806088576480	8806088576527	8806088576596
8806088576497	8806088576794	8806088576619
3.50 (1.00~4.10)	5.00 (1.20~6.00)	7.10 (2.20~8.00)
1.20 (0.24~1.50)	1.74 (0.35~2.20)	2.33 (0.35~3.95)
5,9	6,1	5,9
A+	A++	A+
3,5	5,0	7,1
208	287	421
4.00 (1.00~5.00)	6.00 (1.10~7.20)	8.00 (1.90~9.00)
1.22 (0.19~1.80)	1.70 (0.26~2.70)	2.27 (0.35~3.95)
4,0	3,9	3,9
A+	A	A
2	2,4	3,7
-	-	-
2	2,4	3,7
700	862	1328
700x199x600	1100x200x450	1100x200x450
-	-	-
19,4	23,4	23,4
-	-	-
9,5	13,5	19,0
0-2.5-4.0	0-3.0-4.0	0-3.0-4.0
53	55	59
790x548x285	880x638x310	880x798x310
32,8	43,8	53
61	62	65
1,220-240, 50	1,220-240, 50	1,220-240, 50
-15~50	-15~50	-15~50
-20~24	-20~24	-20~24
6.35 (1/4") 9.52 (3/8")	6.35 (1/4") 12.70 (1/2")	6.35 (1/4") 15.88 (5/8")
20	30	50
15	20	30
20	5	5
0	10	20
R-410A	R-410A	R-410A
2088	2088	2088
1,05	1,30	1,50
2,19	2,71	3,13

3) Energy consumption 208 kWh/year according to the results of the standard tests.

5) Energy consumption 700 kWh/year according to the results of the standard tests.

3) Energy consumption 287 kWh/year according to the results of the standard tests.

5) Energy consumption 862 kWh/year according to the results of the standard tests.

3) Energy consumption 421 kWh/year according to the results of the standard tests.

5) Energy consumption 1328 kWh/year according to the results of the standard tests.

## MSP DUCT



- Fan with inverter motor; prevalence adjustable up to 150Pa
- 750 mmH2O condensation drain pump (optional); antibacterial filter included
- Communication with the "Nasa" protocol
- Virus Doctor device (optional); WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz
- Inverter Twin Rotary compressor – outdoor unit (except from 3.5kW models - Single Rotary)
- Possibility to connect two, three or four indoor units (twin-triple-quadruple)



DIGITAL INVERTER COMPRESSOR



ANTIBACTERIAL FILTER



VIRUS DOCTOR (OPTIONAL)



INTEGRATED CONDENSATION DRAIN PUMP (OPTIONAL)

Model	Indoor Unit Outdoor Unit	AC035MNMDKH/EU		AC052MNMDKH/EU		AC060MNMDKH/EU		AC071MNMDKH/EU	
		AC035MXADKH/EU	AC052MXADKH/EU	AC060MXADKH/EU	AC071MXADKH/EU	AC035MXADKH/EU	AC052MXADKH/EU	AC060MXADKH/EU	AC071MXADKH/EU
EAN	Indoor Unit		8806088576756	8806088576534	8806088576558	8806088576831			
	Outdoor Unit		8806088576497	8806088576794	8806088576800	8806088576619			
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3.50 (1.20~3.90)	5.00 (1.20~6.00)	5.80 (1.20~7.00)	7.10 (2.20~8.00)			
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	1.05 (0.26~1.50)	1.56 (0.35~2.20)	1.95 (0.26~2.40)	2.15 (0.35~3.95)			
	SEER: Seasonal Energy Efficiency Ratio	-	6,3	6,2	6,1	6,1			
	Seasonal Energy Efficiency Class	-	A++	A++	A++	A++			
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	3,5	5,0	5,8	7,1			
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	194	282	333	407			
Heating	Std Capacity (Min~Max) <sup>(1)</sup>	kW	4.00 (1.10~4.70)	6.00 (1.10~7.20)	7.00 (1.50~8.50)	8.00 (1.90~9.00)			
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	1.20 (0.24~1.80)	1.58 (0.26~2.70)	1.95 (0.20~3.30)	2.20 (0.35~3.95)			
	SCOP: Seasonal Coefficient of Performance	-	4,0	4,1	4,0	4,0			
	Seasonal Energy Efficiency Class	-	A+	A+	A+	A+			
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	1,8	2,4	2,6	3,7			
	Electric back-up heater capacity elbu (Tj)	kW	-	-	-	-			
Indoor Unit	Declared capacity	kW	1,8	2,4	2,6	3,7			
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	630	820	910	1295			
	Dimensions (WxHxD)	mm	850x250x700	850x250x700	850x250x700	850x250x700			
	Panel Dimensions (WxHxD)	mm	-	-	-	-			
	Weight	Kg	25,8	25,8	25,8	25,8			
	Panel Weight	Kg	-	-	-	-			
Outdoor Unit	Treated Air (Max)	m3/min	10,4	14,5	17,0	17,0			
	Static Pressure Min-Std-Max	mmH2O	0-2.5-15.0	0-3.0-15.0	0-3.0-15.0	0-3.0-15.0			
	Sound Power Level	dB(A)	52	55	56	56			
	Dimensions (WxHxD)	mm	790x548x285	880x638x310	880x638x310	880x798x310			
	Weight	Kg	32,8	43,8	43,8	53			
	Sound Pressure Level	dB(A)	61	62	62	65			
Installation Data	Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50		
	Operating Range (Cooling)	°C	-15~50	-15~50	-15~50	-15~50			
	Operating Range (Heating)	°C	-20~24	-20~24	-20~24	-20~24			
	Liquid/Gas Piping	Ømm (inch)	6.35 (1/4") 9.52 (3/8")	6.35 (1/4") 12.70 (1/2")	6.35 (1/4") 12.70 (1/2")	6.35 (1/4") 15.88 (5/8")			
	Piping Length Max	m	20	30	30	50			
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	15	20	20	30			
Refrigerant	Maximum Piping Length without Adding Refrigerant	m	20	5	5	5			
	Additional Refrigerant Charging	g/m	0	10	10	20			
	Refrigerant Type <sup>(7)</sup>	-	R-410A	R-410A	R-410A	R-410A			
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>	-	2088	2088	2088	2088			
	Factory Charging	Kg	1,05	1,30	1,30	1,50			
	Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> Eq	2,19	2,71	2,71	3,13			

For generic legal notes, see page 26

<sup>3)</sup> Energy consumption 194 kWh/year according to the results of the standard tests.

<sup>5)</sup> Energy consumption 630 kWh/year according to the results of the standard tests.

<sup>7)</sup> Energy consumption 282 kWh/year according to the results of the standard tests.

<sup>9)</sup> Energy consumption 820 kWh/year according to the results of the standard tests.

<sup>11)</sup> Energy consumption 910 kWh/year according to the results of the standard tests.

<sup>13)</sup> Energy consumption 333 kWh/year according to the results of the standard tests.

<sup>15)</sup> Energy consumption 335 kWh/year according to the results of the standard tests.

<sup>17)</sup> Energy consumption 407 kWh/year according to the results of the standard tests.

<sup>19)</sup> Energy consumption 1295 kWh/year according to the results of the standard tests.

The actual consumption depends on how the device is used and on the place in which it is installed.

# CAC - Commercial Air Conditioner

Code	Accessories	EAN
<b>MWR-WE1N</b>	Premium wired remote controller	8806088517902
<b>MR-EH00</b>	Wireless remote controller (to be matched with MRK-A10N)	8806086374361
<b>MRK-A10N</b>	Complete connector receiver (to be matched with MR-EH00)	8806085545533
<b>MWR-SH10N</b>	Simplified wired remote controller	8806086849548
<b>MDP-G075SP</b>	Internal condensation drain pump (optional)	8806086250658
<b>MDP-G075SQ</b>	External condensation drain pump (optional)	8806086438988
<b>MSD-EAN1</b>	Virus Doctor device (optional)	8806071337357
<b>MRW-TA</b>	External temperature sensor (optional)	8808993622634
<b>MIM-H03N</b>	WI-FI kit (optional)	8806086830928

AC090MNMDKH/EU AC090MXADKH/EU	AC090MNMDKH/EU AC090MXADNH/EU	AC100MNMDKH/EU AC100MXADKH/EU	AC100MNMDKH/EU AC100MXADNH/EU	AC120MNMDKH/EU AC120MXADKH/EU	AC120MNMDKH/EU AC120MXADNH/EU	AC140MNMDKH/EU AC140MXADKH/EU	AC140MNMDKH/EU AC140MXADNH/EU
8806088576633	8806088576633	8806088576644	8806088576644	8806088576916	8806088576916	8806088576954	8806088576954
8806088576855	8806088576640	8806088576671	8806088576886	8806088576695	8806088576923	8806088576718	8806088576961
9.00 (3.00~11.30)	9.00 (3.00~11.30)	10.00 (3.00~12.00)	10.00 (3.00~12.00)	12.00 (3.00~13.50)	12.00 (3.00~13.50)	13.40 (3.50~15.50)	13.40 (3.50~15.50)
2.90 (0.60~4.46)	2.90 (0.60~4.46)	3.50 (0.60~4.70)	3.50 (0.60~4.70)	4.40 (0.90~5.50)	4.40 (0.90~5.50)	4.45 (0.80~6.44)	4.45 (0.80~6.44)
5,9	5,9	5,8	5,8	5,6	5,6	3.0 (EER)	3.0 (EER)
A+	A+	A+	A+	A+	A+	-	-
9,0	9,0	10,0	10,0	12,0	12,0	-	-
534	534	603	603	750	750	-	-
10.00 (2.20~13.90)	10.00 (2.20~13.90)	11.20 (2.20~15.50)	11.20 (2.20~15.50)	13.00 (2.50~17.00)	13.00 (2.50~17.00)	15.50 (3.50~18.00)	15.50 (3.50~18.00)
2.75 (0.46~5.20)	2.75 (0.46~5.20)	3.30 (0.46~5.40)	3.30 (0.46~5.40)	4.00 (0.70~5.90)	4.00 (0.70~5.90)	4.54 (0.70~7.36)	4.54 (0.70~7.90)
4,0	4,0	4,0	4,0	4,0	4,0	3.4 (COP)	3.4 (COP)
A+	A+	A+	A+	A+	A+	-	-
5,2	5,2	5,2	5,2	7,4	7,4	-	-
-	-	-	-	-	-	-	-
5,2	5,2	5,2	5,2	7,4	7,4	-	-
1820	1820	1820	1820	2590	2590	-	-
1200x250x700	1200x250x700	1200x250x700	1200x250x700	1300x300x700	1300x300x700	1300x300x700	1300x300x700
-	-	-	-	-	-	-	-
33,4	33,4	33,4	33,4	38,6	38,6	38,6	38,6
-	-	-	-	-	-	-	-
28,0	28,0	28,0	33,0	33,0	33,0	33,0	33,0
0-4.0-15.0	0-4.0-15.0	0-4.0-15.0	0-4.0-15.0	0-5.2-15.0	0-5.2-15.0	0-5.2-15.0	0-5.2-15.0
58	58	58	58	62	62	62	62
940x998x330	940x998x330	940x998x330	940x998x330	940x998x330	940x998x330	940x1210x330	940x1210x330
72	72	72	72	77	77	87	87
68	68	69	69	70	70	69	69
1,220-240,50	3,380-415,50	1,220-240,50	3,380-415,50	1,220-240,50	3,380-415,50	3,380-415,50	3,380-415,50
-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
9.52 (3/8") 15.88 (5/8")							
50	50	50	50	50	50	75	75
30	30	30	30	30	30	30	30
30	30	30	30	30	30	30	30
50	50	50	50	50	50	50	50
R-410A							
2088	2088	2088	2088	2088	2088	2088	2088
3,00	3,00	3,00	3,00	3,00	3,00	3,40	3,40
6,26	6,26	6,26	6,26	6,26	6,26	7,10	7,10

3) Energy consumption 554 kWh/year according to the results of the standard tests.  
5) Energy consumption 1820 kWh/year according to the results of the standard tests.

3) Energy consumption 534 kWh/year according to the results of the standard tests.  
5) Energy consumption 1820 kWh/year according to the results of the standard tests.

3) Energy consumption 603 kWh/year according to the results of the standard tests.  
5) Energy consumption 1820 kWh/year according to the results of the standard tests.

3) Energy consumption 603 kWh/year according to the results of the standard tests.  
5) Energy consumption 1820 kWh/year according to the results of the standard tests.

3) Energy consumption 750 kWh/year according to the results of the standard tests.  
5) Energy consumption 2590 kWh/year according to the results of the standard tests.

3) Energy consumption 750 kWh/year according to the results of the standard tests.  
5) Energy consumption 2590 kWh/year according to the results of the standard tests.

## HSP DUCT



- Fan with inverter motor; prevalence adjustable up to 200Pa
- 750 mmH2O condensation drain pump (optional); antibacterial filter included
- Communication with the "Nasa" protocol
- Virus Doctor device (optional); WI-FI kit (optional)
- Power supply: three-phase 220 V - 50 Hz
- Inverter Twin Scroll compressor – outdoor unit (except from 18kW model - Twin Rotary)



DIGITAL INVERTER COMPRESSOR



VIRUS DOCTOR (OPTIONAL)



INTEGRATED CONDENSATION DRAIN PUMP (OPTIONAL)

Model	Indoor Unit Outdoor Unit	AC180JNHPKH/EU		AC200KNHPKH/EU	AC250KNHPKH/EU
		AC180JXAPNH/EU	AC200KXAPNH/EU	AC250KXAPNH/EU	AC250KXAPNH/EU
EAN	Indoor Unit	8806086599146	8806088409627	8806088409641	8806088409658
	Outdoor Unit	8806086599153	8806088409634	8806088409658	8806088409658
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	18.0 (6.0~20.0)	20.00 (7.50~23.00)	25.00 (9.00~28.50)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	5.45 (1.30~7.30)	6.45 (2.10~8.00)	9.58 (2.60~12.00)
	SEER: Seasonal Energy Efficiency Ratio	-	3.30 (EER)	3.10 (EER)	2.61 (EER)
	Seasonal Energy Efficiency Class	-	-	-	-
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	-	-	-
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	-	-	-
Heating	Std Capacity (Min~Max) <sup>(1)</sup>	kW	20.0 (4.8~22.5)	23.00 (8.50~25.00)	27.00 (10.00~32.00)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	5.54 (1.20~7.60)	6.66 (2.10~9.80)	8.33 (2.50~13.50)
	SCOP: Seasonal Coefficient of Performance	-	3.61 (COP)	3.45 (COP)	3.24 (COP)
	Seasonal Energy Efficiency Class	-	-	-	-
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	-	-	-
	Electric back-up heater capacity elbu (Tj)	kW	-	-	-
Indoor Unit	Declared capacity	kW	-	-	-
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	-	-	-
	Dimensions (WxHxD)	mm	1350x450x910	1350x450x910	1350x450x910
	Panel Dimensions (WxHxD)	mm	-	-	-
	Weight	Kg	82,5	82,5	82,5
	Panel Weight	Kg	-	-	-
Outdoor Unit	Treated Air (Max)	m <sup>3</sup> /min	71,0	72,0	80,0
	Static Pressure Min-Std-Max	mmH2O	5-6-20.0	5-7.34-20.0	5-7.34-20.0
	Sound Power Level	dB(A)	43	70	72
	Dimensions (WxHxD)	mm	940x1420x330	940x1630x460	940x1630x460
	Weight	Kg	107,5	154	154
	Sound Pressure Level	dB(A)	57	75	77
Installation Data	Power Supply	Ø, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50
	Operating Range (Cooling)	°C	-15~50	-20~50	-20~50
	Operating Range (Heating)	°C	-20~24	-20~24	-20~24
	Liquid/Gas Piping	Ømm (inch)	9.52 (3/8") 19.0 (3/4")	9.52 (3/8") 19.05 (3/4")	9.52 (3/8") 22.22 (7/8")
	Piping Length Max	m	75	75	75
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	30	30	30
Refrigerant	Maximum Piping Length without Adding Refrigerant	m	30	30	30
	Additional Refrigerant Charging	g/m	50	50	50
	Refrigerant Type <sup>(7)</sup>	-	R-410A	R-410A	R-410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>	-	2088	2088	2088
	Factory Charging	Kg	4,60	6,60	6,60
	Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> Eq	9,60	13,78	13,78

For generic legal notes, see page 26

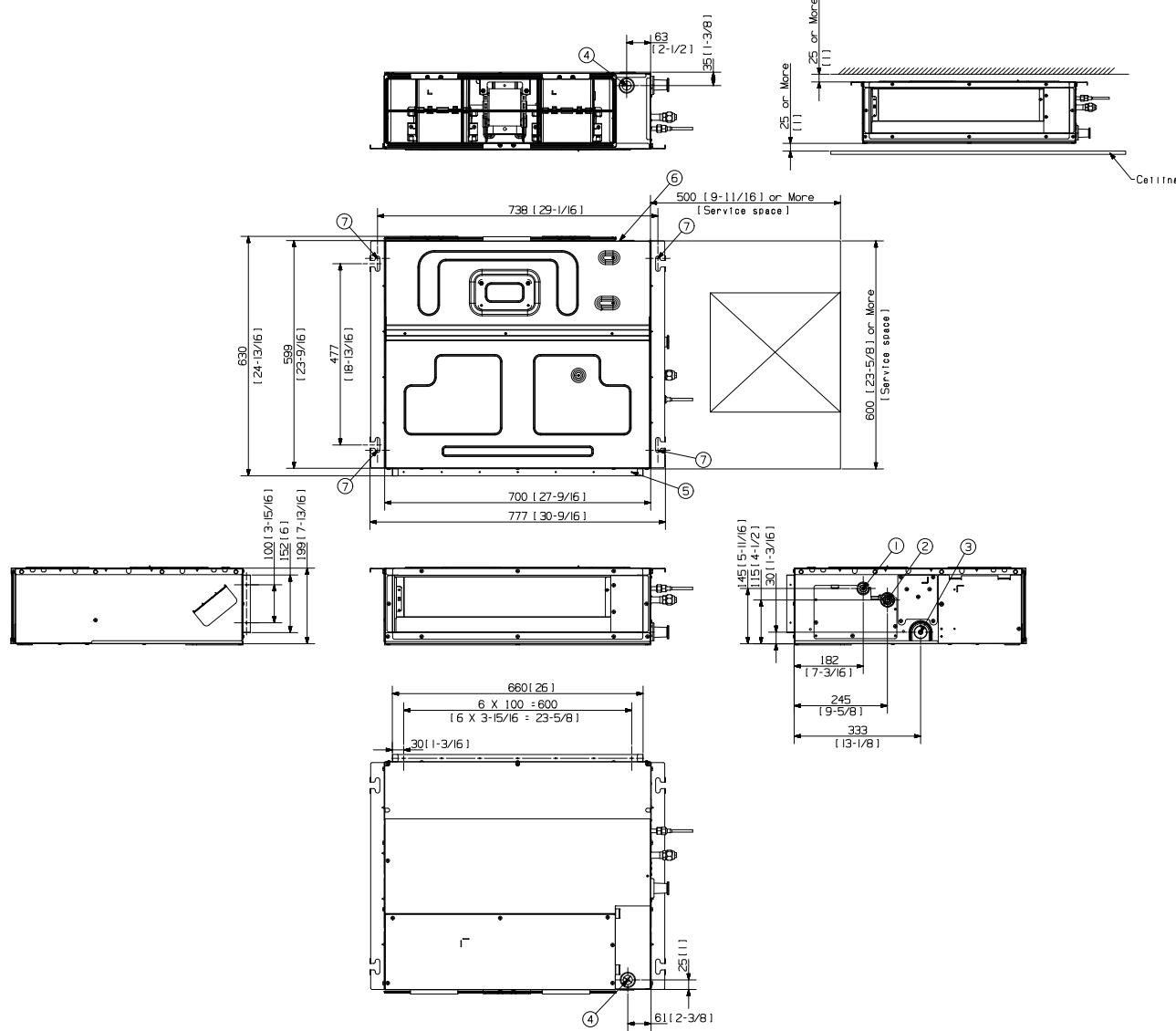
The actual consumption depends on how the device is used and on the place in which it is installed.

Code	Accessories	EAN
MWR-WE11N	Premium wired remote controller	8806088517902
MR-EH00	Wireless remote controller (to be matched with MRK-A10N)	8806086374361
MRK-A10N	Complete connector receiver (to be matched with MR-EH00)	8806085545533
MWR-SH10N	Simplified wired remote controller	8806086849548
MDP-G075SP	Internal condensation drain pump (optional)	8806086250658
MSD-EAN1	Virus Doctor device (optional)	8806071337357
MRW-TA	External temperature sensor (optional)	8808993622634
MIM-H03N	WI-FI kit (optional)	8806086830928



## LSP DUCT

AC026MNLDKH/EU  
AC035MNLDKH/EU

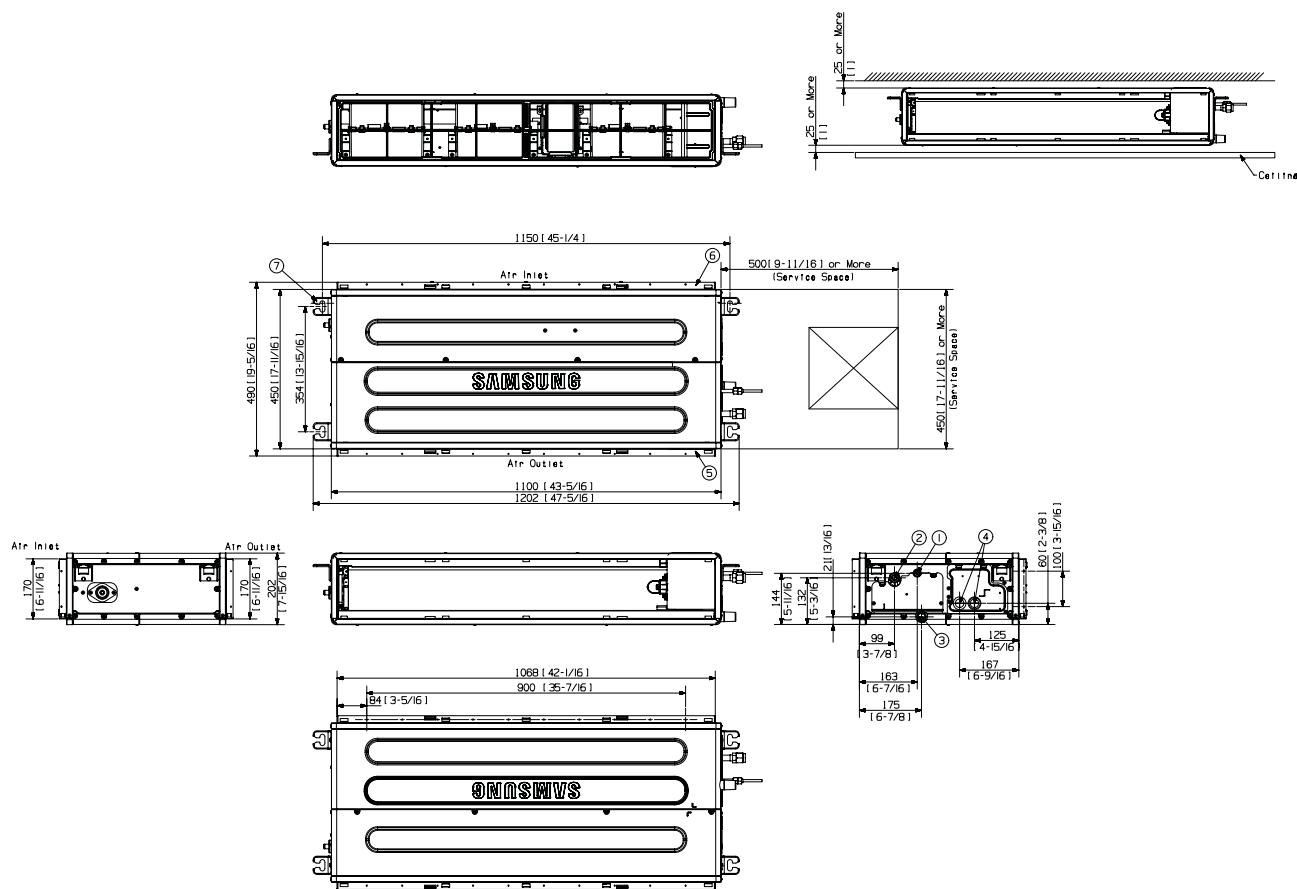


Pos.	Name	Description
1	Liquid piping	ø 6,35 mm (1/4")
2	Gas piping	ø 9,52mm (3/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communication	-
5	Air intake	-
6	Air supply	-
7	Air tie rods	Use M8 ~ M10 bolt (4ea)

## TECHNICAL DRAWINGS INDOOR UNIT

### LSP DUCT

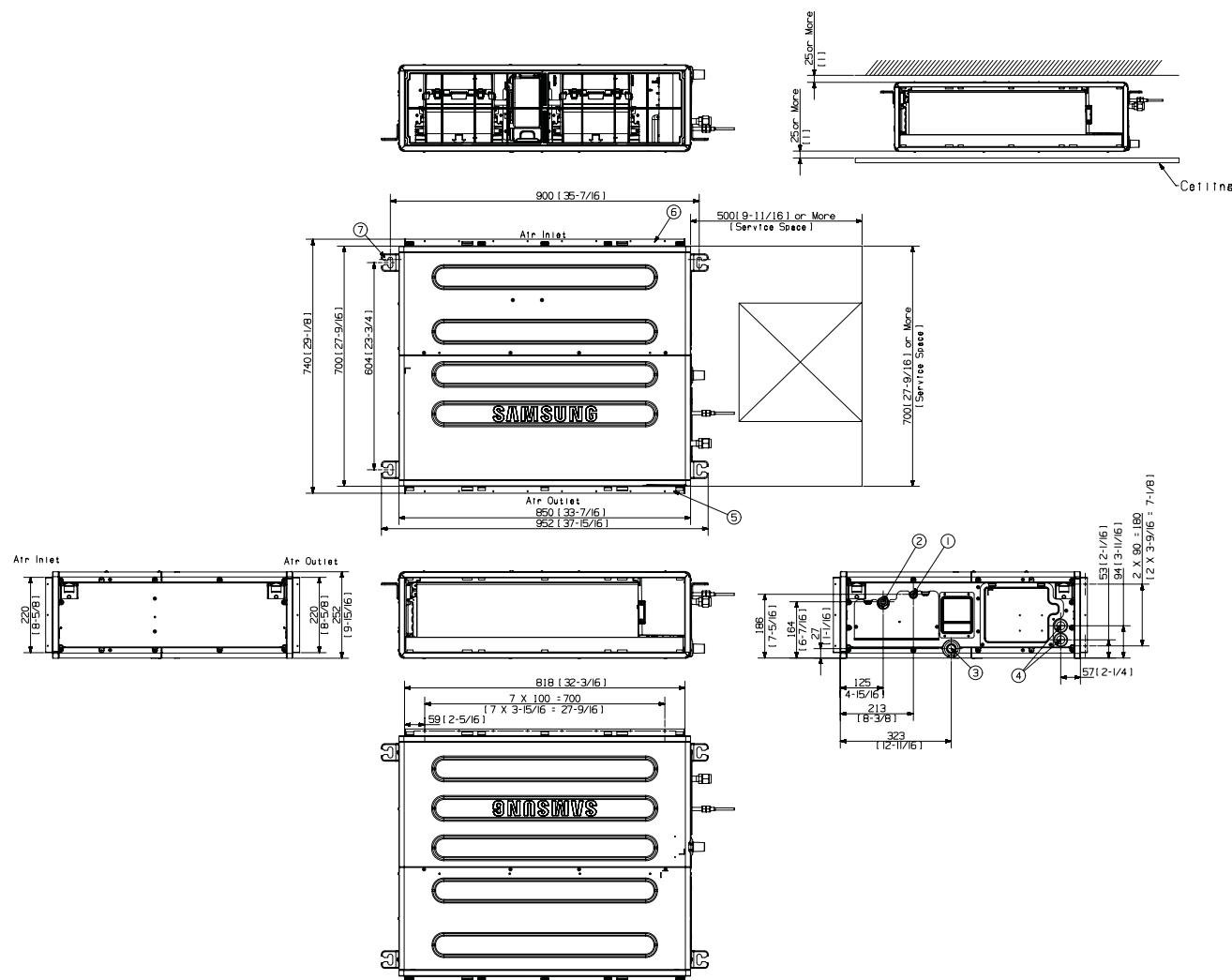
AC052MNLDKH/EU  
AC071MNLDKH/EU



Pos.	Name	Model	
		AC052MNLDKH/EU	AC071MNLDKH/EU
1	Liquid piping	Ø 6,35 mm (1/4")	
2	Gas piping	Ø 9,52mm (3/8")	Ø 12,7 mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)	
4	Power supply cables connection / communication	-	
5	Air intake	-	
6	Air supply	-	
7	Airtie rods	Use M8 ~ M10 bolt (4ea)	

## LSP DUCT

AC035MNMDKH/EU  
AC052MNMDKH/EU  
AC060MNMDKH/EU  
AC071MNMDKH/EU

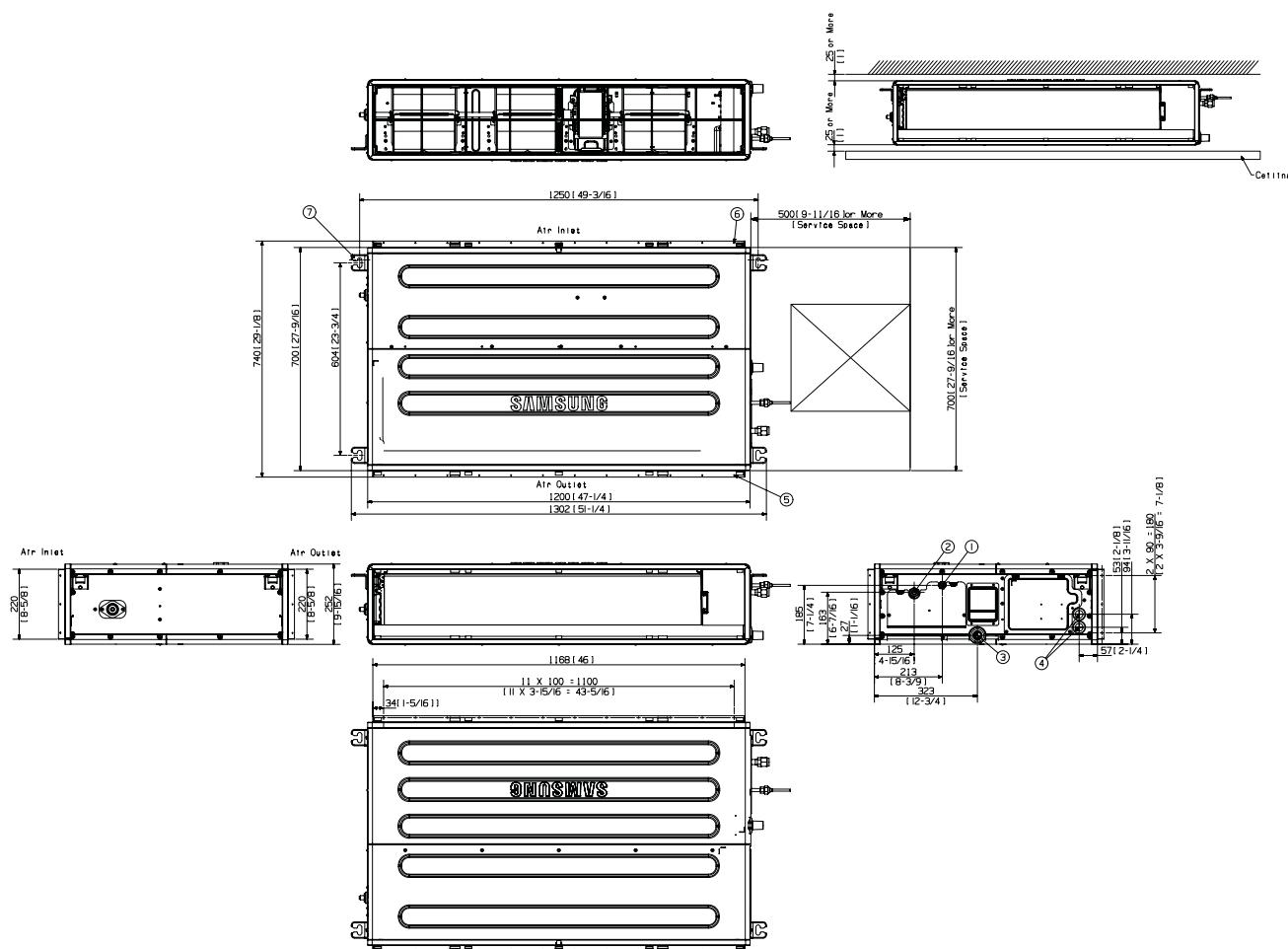


Pos.	Name	Model		
		AC035MNMDKH/EU	AC052MNMDKH/EU	AC060MNMDKH/EU AC071MNMDKH/EU
1	Liquid piping		ø 6,35 mm (1/4")	
2	Gas piping	ø 9,52mm (3/8")	ø 12,7 mm (5/8")	ø 15,88 mm (5/8")
3	Condensation drain piping		VP-25 (OD32, ID25)	
4	Power supply cables connection / communication		-	
5	Air intake		-	
6	Air supply		-	
7	Air tie rods	Use M8 ~ M10 bolt (4ea)		

## TECHNICAL DRAWINGS INDOOR UNIT

### MSP DUCT

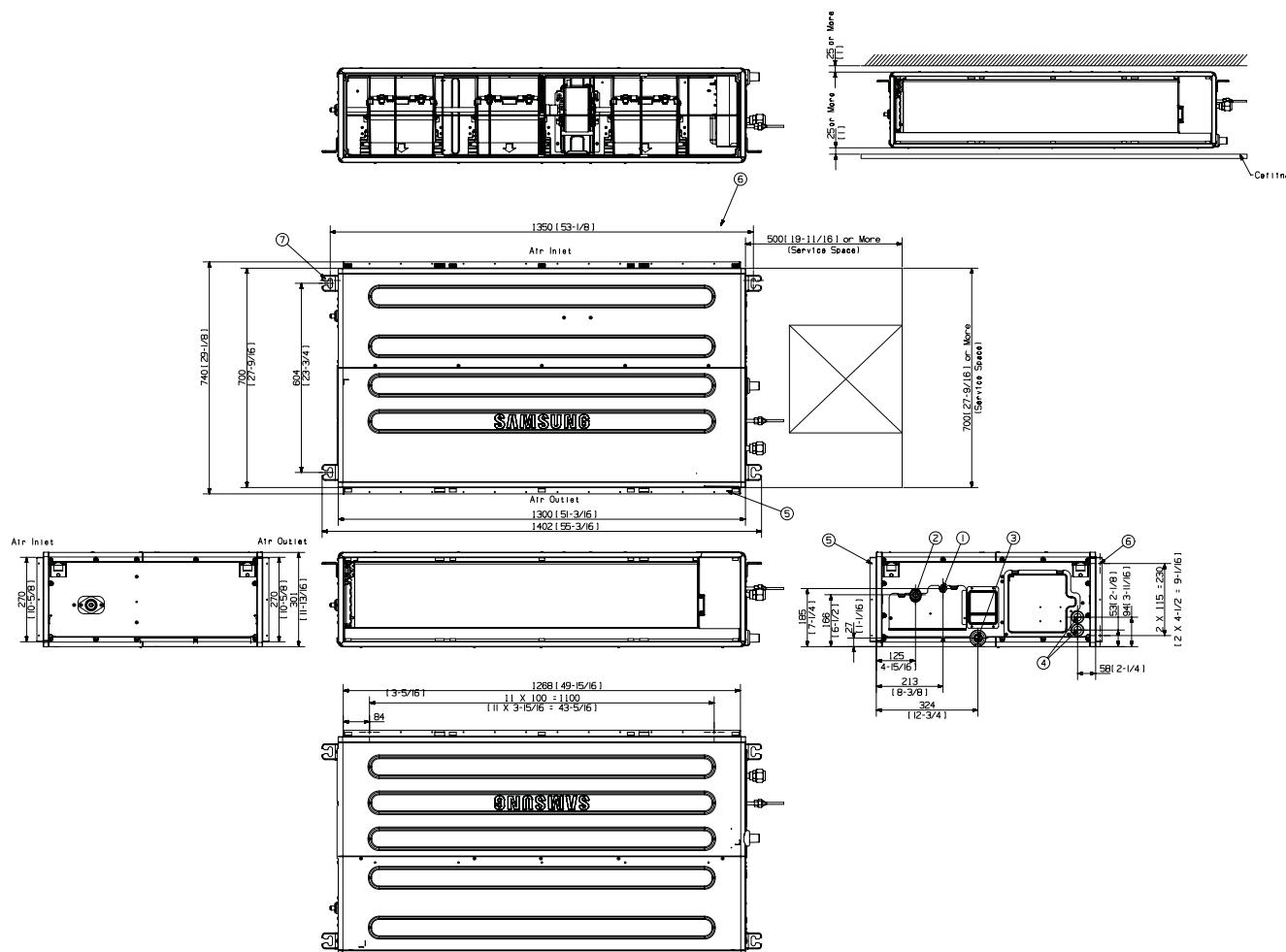
AC090MNMDKH/EU  
AC100MNMDKH/EU



Pos.	Name	Descrizione
1	Liquid piping	ø 9,52mm (3/8")
2	Gas piping	ø 15,88mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communication	-
5	Air intake	-
6	Air supply	-
7	Air tie rods	Use M8 ~ M10 bolt (4ea)

## MSP DUCT

AC120MNMDKH/EU  
AC140MNMDKH/EU

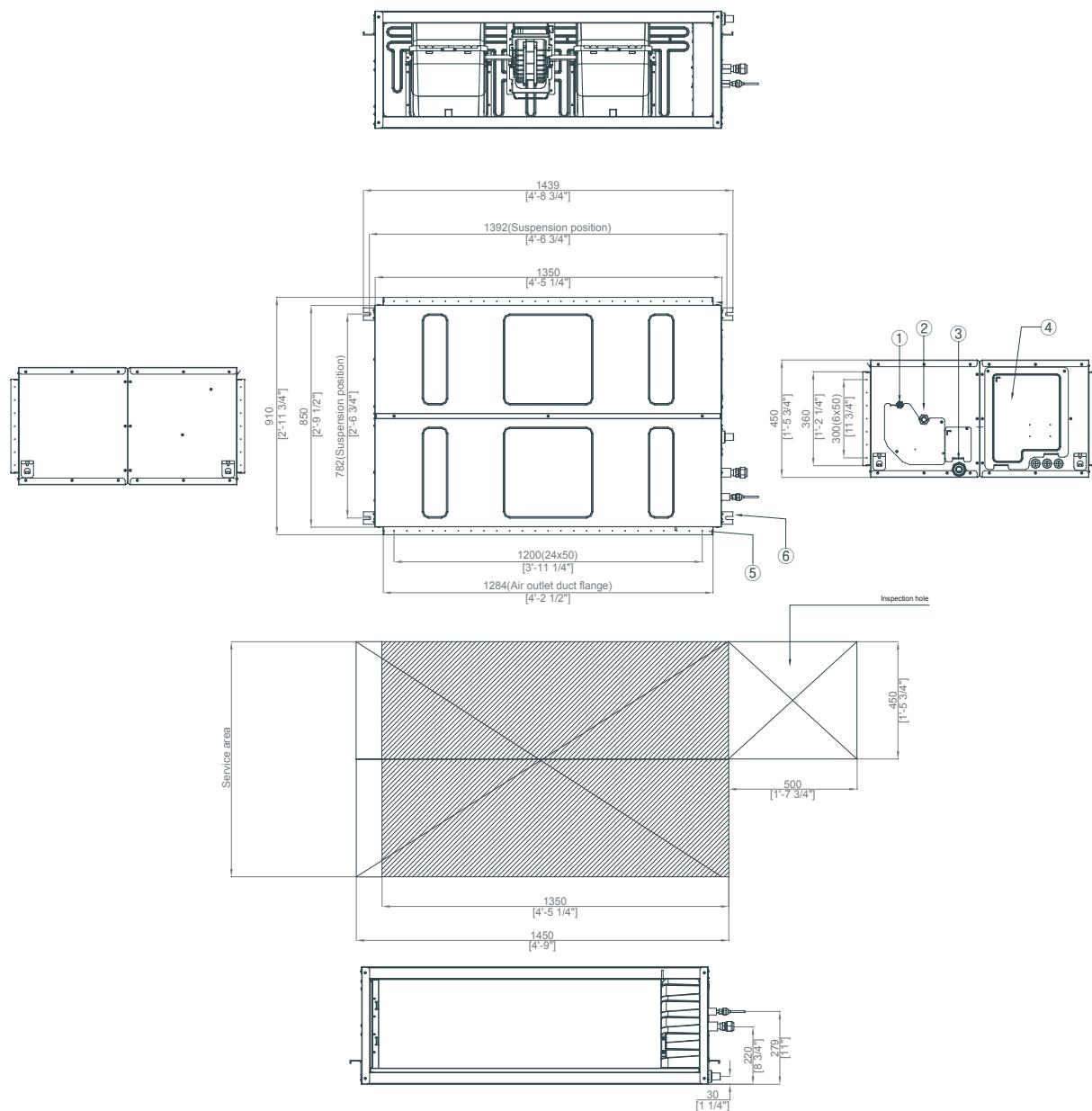


Pos.	Name	Descrizione
1	Liquid piping	ø 9,52mm (3/8")
2	Gas piping	ø 15,88mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communication	-
5	Air intake	-
6	Air supply	-
7	Air tie rods	Use M8 ~ M10 bolt (4ea)

## TECHNICAL DRAWINGS INDOOR UNIT

### HSP DUCT

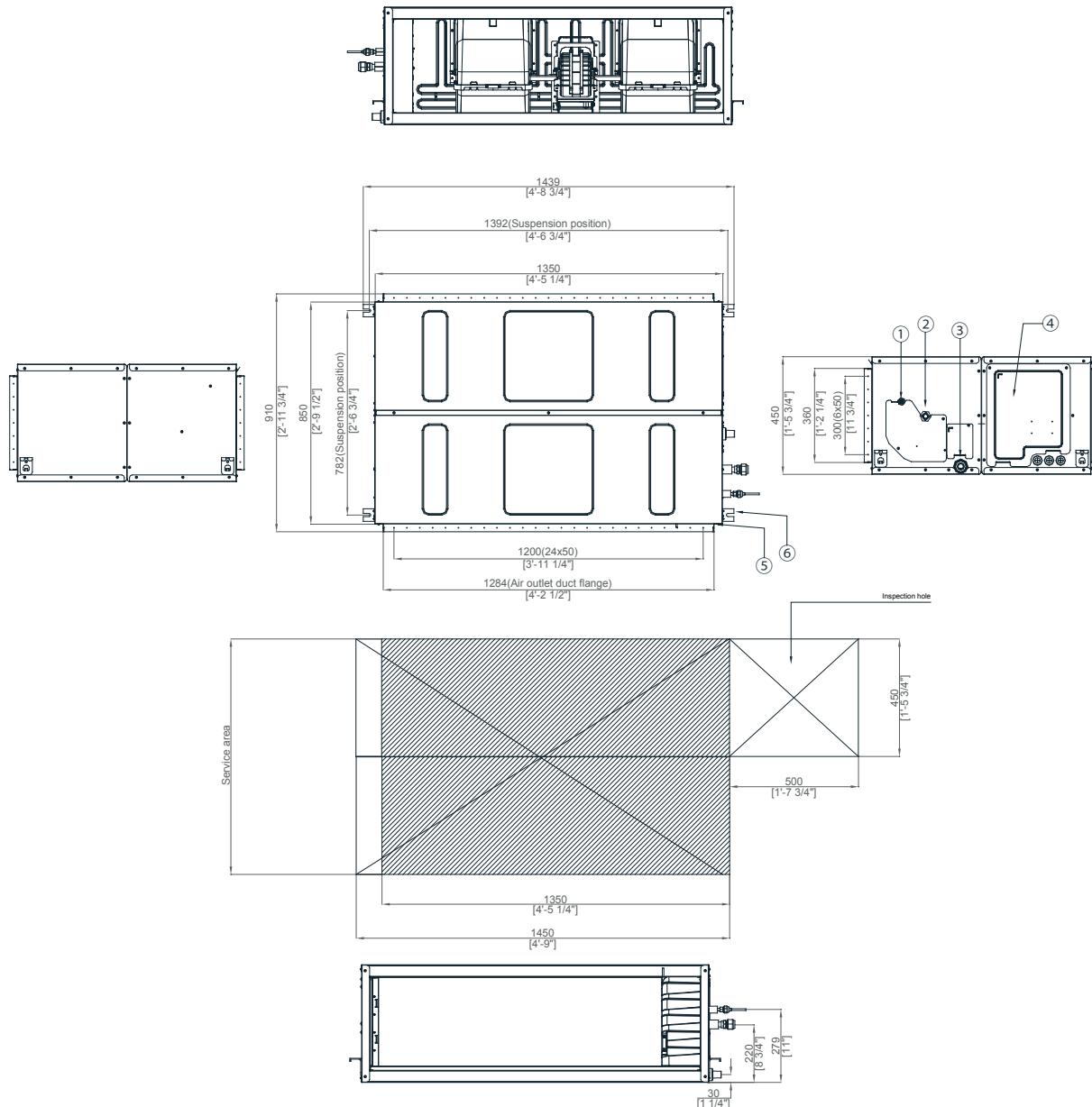
AC180JNHPKH/EU



Pos.	Name	Description
1	Liquid piping	ø 9,52 mm (3/8")
2	Gas piping	ø 19,05 mm (3/4")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communication	-
5	Air supply	-
6	Air tie rods	-

## HSP DUCT

AC200KNHPKH/EU  
AC250KNHPKH/EU



Pos.	Name	Model	
		AC200KNHPKH/EU	AC250KNHPKH/EU
1	Liquid piping	ø 9,52 mm (3/8")	
2	Gas piping	ø 19,05 mm (3/4")	ø 22,22 mm (7/8")
3	Condensation drain piping	VP-25 (OD32, ID25)	
4	Power supply cables connection / communication	-	
5	Air supply	-	
6	Air tie rods	-	

# CONSOLE



## SLIM AND SMART DESIGN

The elegant and clear design suits any home environment.



199 mm

### SLIM DESIGN

The Console model, often measuring only 199 mm, has a design that suits any environment and it is the thinnest among those on the market.

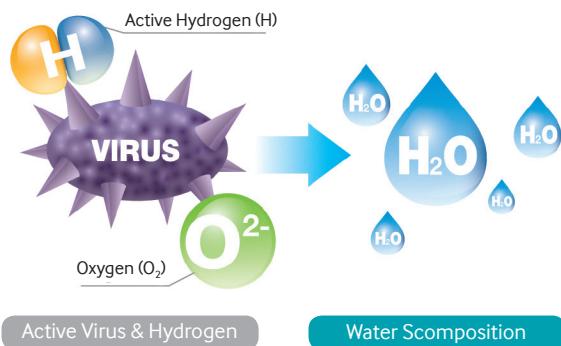
### DESIGN PANEL

The panel was conceived to prevent dust from building up in order to keep the indoor unit efficiency.



### TOUCH DISPLAY

The touch screen display enables to monitor and switch on the indoor unit.



## VIRUS DOCTOR

The Virus Doctor device, already included in the Console model, purifies air and enables to remove allergens, bacteria and viruses.



## NOISELESSNESS

It is possible to adjust the air speed in four different ways always with the maximum comfort.

## DOUBLE AIR SUPPLY

There are two different hot air supplies. Hot air spreads from the lower and upper sides to make the environment temperature constant and to prevent air stratification.



## CONSOLE



- It can be installed vertically only
- Fan with inverter motor; anti-dust filter included
- Possibility to set a double air supply from the upper and lower grilles during heating
- Communication with "Nasa" protocol
- Integrated Virus Doctor device; WI-FI kit (optional)
- Maximum noiselessness 23 dB(A); 199 mm depth only;
- Power supply: single-phase 220 V - 50 Hz
- Inverter Twin Rotary compressor – outdoor unit (except from 2.6/3.5kW models - Single Rotary)
- Possibility to connect two, three or four indoor units (twin-triple-quadruple)



DIGITAL INVERTER COMPRESSOR



ANTIBACTERIAL FILTER



COMPACT AND LIGHT



SILENT OPERATION



VIRUS DOCTOR

Model	Indoor Unit Outdoor Unit		AC026MNJDKH/EU AC026MXADKH/EU	AC035MNJDKH/EU AC035MXADKH/EU	AC052MNJDKH/EU AC052MXADKH/EU
EAN	Indoor Unit		8806088576725	8806088576473	8806088576510
	Outdoor Unit		8806088576466	8806088576497	8806088576794
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	2.60 (0.98~3.40)	3.50 (1.15~3.90)	5.00 (1.90~5.50)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	0.70 (0.23~1.20)	1.09 (0.25~1.50)	1.75 (0.25~2.20)
	SEER: Seasonal Energy Efficiency Ratio	-	6,3	6,1	5,9
	Seasonal Energy Efficiency Class	-	A++	A++	A+
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	2,6	3,5	5,0
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	-	201	297
Heating	Std Capacity (Min~Max) <sup>(1)</sup>	kW	3.50 (0.95~4.20)	4.00 (1.05~4.60)	5.60 (1.50~6.50)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	1.00 (0.21~1.45)	1.21 (0.21~1.80)	1.73 (0.25~2.50)
	SCOP: Seasonal Coefficient of Performance	-	4,6	4,3	3,8
	Seasonal Energy Efficiency Class	-	A++	A+	A
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,2	2,2	2,8
	Electric back-up heater capacity elbu (Tj)	kW	-	-	-
Indoor Unit	Declared capacity	kW	2,2	2,2	2,8
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	-	716	1032
	Dimensions (WxHxD)	mm	720x620x199	720x620x199	720x620x199
	Panel Dimensions (WxHxD)	mm	-	-	-
	Weight	Kg	16,0	16,0	16,2
	Panel Weight	Kg	-	-	-
Outdoor Unit	Treated Air (Max)	m <sup>3</sup> /min	7,5	8,5	9,0
	Static Pressure Min-Std-Max	mmH2O	-	-	-
	Sound Power Level	dB(A)	53	55	60
	Dimensions (WxHxD)	mm	790x548x285	790x548x285	880x638x310
	Weight	Kg	32,8	32,8	43,8
	Sound Pressure Level	dB(A)	59	61	62
Installation Data	Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
	Operating Range (Cooling)	°C	-15~50	-15~50	-15~50
	Operating Range (Heating)	°C	-20~24	-20~24	-20~24
	Liquid/Gas Piping	Ømm (inch)	Ø6.35 (1/4")/9.52 (3/8")	Ø6.35 (1/4")/9.52 (3/8")	Ø6.35 (1/4")/12.70 (1/2")
	Piping Length Max	m	20	20	30
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	15	15	20
Refrigerant	Maximum Piping Length without Adding Refrigerant	m	20	20	5
	Additional Refrigerant Charging	g/m	0	0	10
	Refrigerant Type <sup>(7)</sup>	-	R-410A	R-410A	R-410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>	-	2088	2088	2088
	Factory Charging	Kg	1,05	1,05	1,30
	Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> Eq	2,19	2,19	2,71

For generic legal notes, see page 26

The actual consumption depends on how the device is used and on the place in which it is installed.

<sup>(3)</sup> Energy consumption 201 kWh/year according to the results of the standard tests.

<sup>(5)</sup> Energy consumption 716 kWh/year according to the results of the standard tests.

<sup>(3)</sup> Energy consumption 297 kWh/year according to the results of the standard tests.

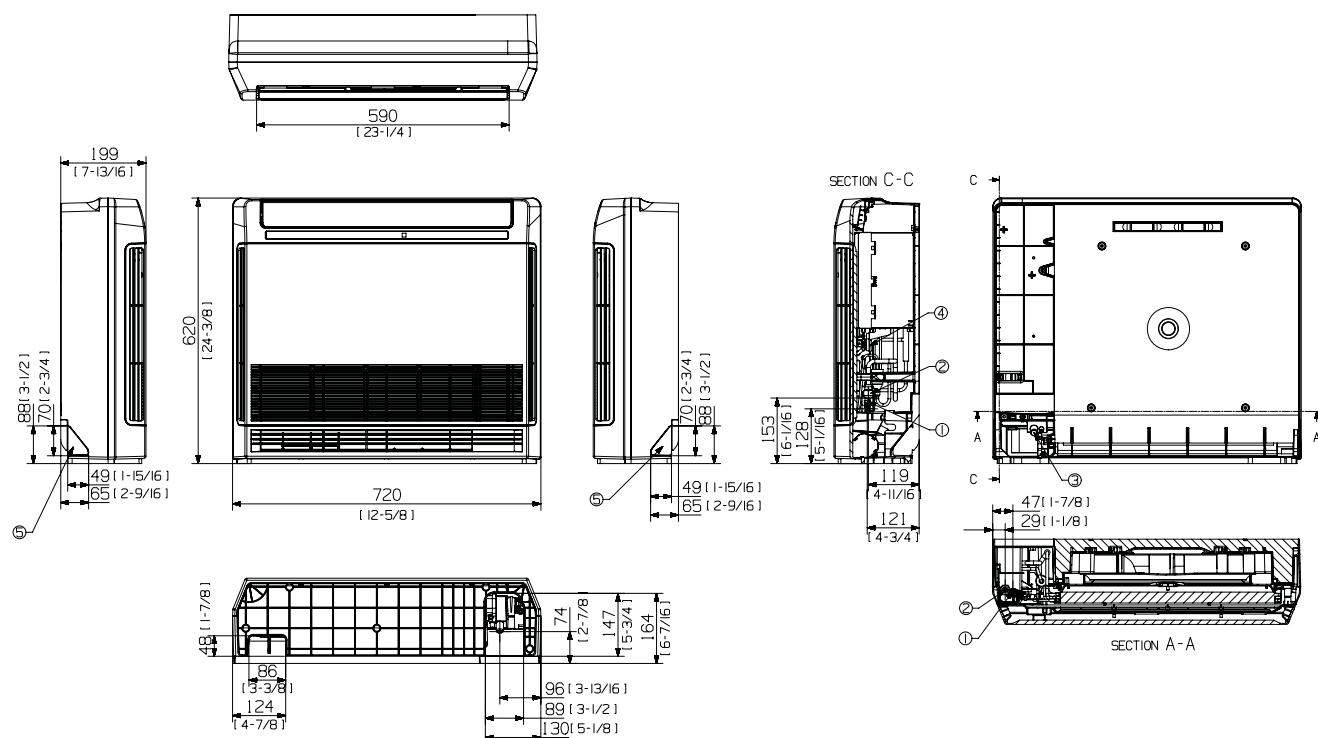
<sup>(5)</sup> Energy consumption 1032 kWh/year according to the results of the standard tests.

Code	Accessories	EAN
MWR-WE1N	Premium wired remote controller	8806088517902
MWR-SH10N	Simplified wired remote controller	8806086849548
MRW-TA	External temperature sensor (optional)	8808993622634
MIM-H03N	WI-FI kit (optional)	8806086830928



## CONSOLE

AC026MNJDKH/EU  
AC035MNJDKH/EU  
AC052MNJDKH/EU



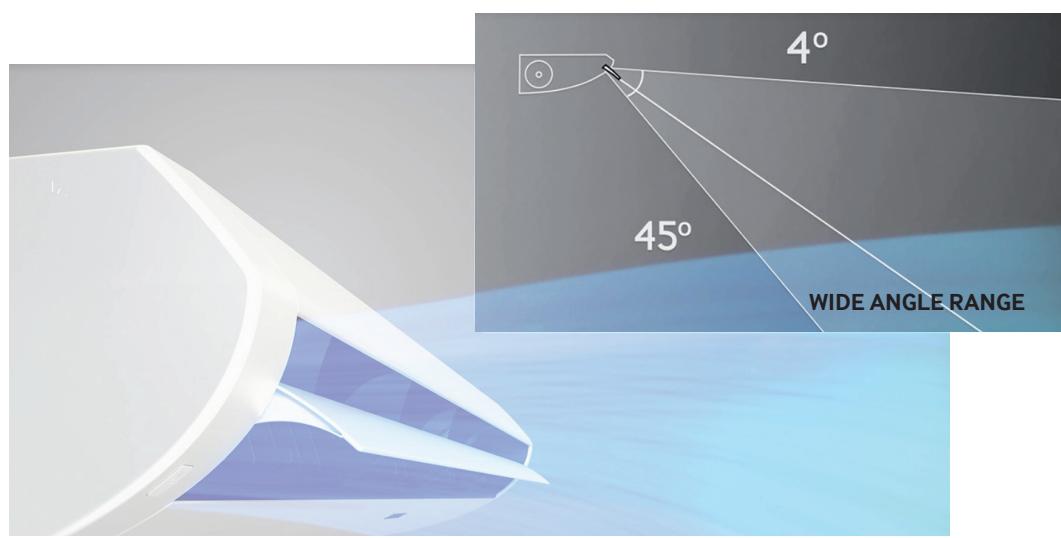
Pos.	Name	Model	
		AC026MNJDKH/EU	AC035MNJDKH/EU AC052MNJDKH/EU
1	Liquid piping	Ø 6,35 mm (1/4")	
2	Gas piping	Ø 9,52mm (3/8")	Ø 12,7 mm (5/8")
3	Condensation drain piping	ID18mm [11/16"] Hose	
4	Power supply cables connection / communication	-	
6	Condensation drain piping	-	

# FLOOR/CEILING



## HIGH AIR SUPPLY

The ceiling-mounted model from 11 to 16 kW can be installed horizontally only and encompasses an Inverter fan with an air jet up to 15 m. The air supply flap can be tilted with an angle ranging from 4° to 45° in order to have a constant air distribution in the room.





## VIRUS DOCTOR DEVICE

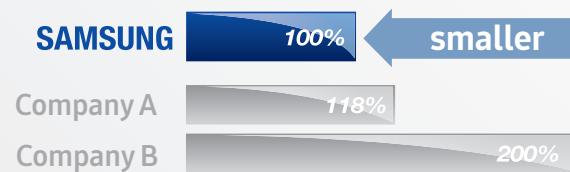
The unit can also be equipped with the optional purification system Virus Doctor, that removes up to 99.7% of bacteria and allergens present in the air.



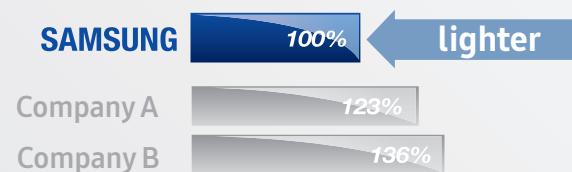
## COMPACT UNIT

The reduced size compared to the traditional units ensures a more flexible installation and an easier maintenance.

### Dimension



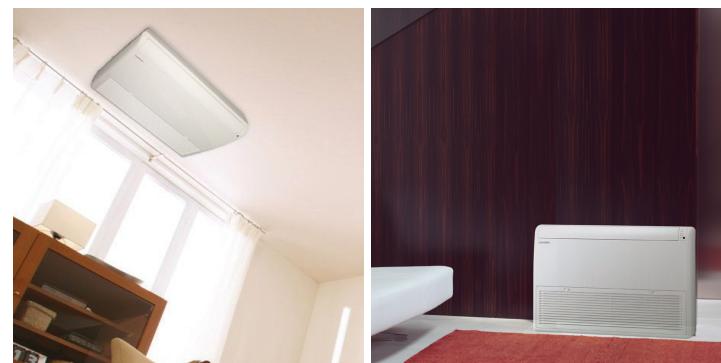
### Weight



## TWO DIFFERENT POSSIBLE INSTALLATIONS

ONLY FOR 5.6 AND 7.1 KW MODELS

The unit can be installed on the floor or on the ceiling with a consequent optimization of the available space.



## FLOOR/CEILING



- Possibility of vertical or horizontal installation
- Fan with inverter motor; anti-dust filter included
- Wireless remote controller included
- Communication with "Nasa" protocol
- WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz
- Inverter Twin Rotary compressor – outdoor unit
- Possibility to connect two, three or four indoor units (twin-triple-quadruple)



DIGITAL INVERTER COMPRESSOR



ANTIBACTERIAL FILTER



REMOVABLE FILTER



FLEXIBLE

Model	Indoor Unit Outdoor Unit		AC052MNCDKH/EU AC052MXADKH/EU	AC071MNCDKH/EU AC071MXADKH/EU
EAN	Indoor Unit		8806088576787	8806088576824
	Outdoor Unit		8806088576794	8806088576619
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	5.00 (1.770~5.60)	7.10 (2.20~8.00)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	1.64 (0.48~1.90)	2.93 (0.35~3.95)
	SEER: Seasonal Energy Efficiency Ratio	-	6,1	5,6
	Seasonal Energy Efficiency Class	-	A++	A+
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	5,0	7,1
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	287	444
Heating	Std Capacity (Min~Max) <sup>(1)</sup>	kW	6.00 (1.70~7.70)	8.00 (1.90~9.00)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	1.78 (0.43~3.05)	2.92 (0.35~3.95)
	SCOP: Seasonal Coefficient of Performance	-	3,9	3,9
	Seasonal Energy Efficiency Class	-	A	A
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	2,4	3,5
	Electric back-up heater capacity elbu (Tj)	kW	-	-
	Declared capacity	kW	2,4	3,5
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	862	1256
Indoor Unit	Dimensions (WxHxD)	mm	1000x200x650	1000x200x650
	Panel Dimensions (WxHxD)	mm	-	-
	Weight	Kg	20	20
	Panel Weight	Kg	-	-
	Treated Air (Max)	m <sup>3</sup> /min	12,6	15,2
	Static Pressure Min-Std-Max	mmH2O	-	-
	Sound Power Level	dB(A)	60	64
Outdoor Unit	Dimensions (WxHxD)	mm	880x638x310	880x798x310
	Weight	Kg	43,8	53
	Sound Pressure Level	dB(A)	62	65
	Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
	Operating Range (Cooling)	°C	-15~50	-15~50
	Operating Range (Heating)	°C	-20~24	-20~24
Installation Data	Liquid/Gas Piping	Ømm (inch)	6.35 (1/4") 12.70 (1/2")	6.35 (1/4") 15.88 (5/8")
	Piping Length Max	m	30	50
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	20	30
	Maximum Piping Length without Adding Refrigerant	m	5	5
	Additional Refrigerant Charging	g/m	10	20
Refrigerant	Refrigerant Type <sup>(7)</sup>	-	R-410A	R-410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>	-	2088	2088
	Factory Charging	Kg	1,30	1,50
	Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> Eq	2,71	3,13

For generic legal notes, see page 26

The actual consumption depends on how the device is used and on the place in which it is installed.

3) Energy consumption 287 kWh/year according to the results of the standard tests.  
5) Energy consumption 862 kWh/year according to the results of the standard tests.

3) Energy consumption 444 kWh/year according to the results of the standard tests.  
5) Energy consumption 1256 kWh/year according to the results of the standard tests.

Code	Accessories	EAN
MWR-WE1IN	Premium wired remote controller	8806088517902
MWR-SH10N	Simplified wired remote controller	8806086849548
MRW-TA	External temperature sensor (optional)	8808993622634
MIM-H03N	WI-FI kit (optional)	8806086830928

## CEILING



- It can be installed vertically only
- Fan with inverter motor; anti-dust filter included
- Communication with "Nasa" protocol
- Virus Doctor device (optional); WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz or three-phase 400 V - 50 Hz
- Inverter Twin Rotary compressor – outdoor unit
- Possibility to connect two indoor units (twin)



DIGITAL INVERTER  
COMPRESSOR



INTERIOR  
DESIGN



ANTIBACTERIAL  
FILTER



COMPACT AND  
LIGHT



VIRUS  
DOCTOR  
(OPTIONAL)

AC100MNCDKH/EU AC100MXADKH/EU	AC100MNCDKH/EU AC100MXADNH/EU	AC120MNCDKH/EU AC120MXADKH/EU	AC120MNCDKH/EU AC120MXADNH/EU	AC140MNCDKH/EU AC140MXADKH/EU	AC140MNCDKH/EU AC140MXADNH/EU	AC160JNCDEH/EU AC160JXADGH/EU
8806088576879	8806088576879	8806088576688	8806088576688	8806088576701	8806088576701	8806086867771
8806088576671	8806088576886	8806088576695	8806088576923	8806088576718	8806088576961	8806086867788
10.00 (3.00~12.00)	10.00 (3.00~12.00)	12.00 (3.50~13.50)	12.00 (3.50~13.50)	13.40 (3.50~15.50)	13.40 (3.50~15.50)	15.00 (4.30~17.30)
3.40 (0.60~4.70)	3.40 (0.60~4.70)	4.60 (0.90~5.50)	4.55 (0.90~5.50)	4.45 (0.80~6.44)	4.45 (0.80~7.90)	5.28 (0.90~6.40)
5,8	5,8	5,7	5,7	3.0 (EER)	3.0 (EER)	2.84 (EER)
A+	A+	A+	A+	-	-	-
10,0	10,0	12,0	12,0	-	-	-
603	603	737	737	-	-	-
11.20 (2.20~15.50)	11.20 (2.20~15.50)	13.00 (3.80~16.50)	13.00 (3.80~16.50)	15.50 (3.50~18.00)	15.50 (3.50~18.00)	17.50 (4.70~19.00)
3.20 (0.46~5.40)	3.20 (0.46~5.40)	3.80 (0.70~5.60)	3.80 (0.70~5.90)	4.54 (0.70~7.36)	4.54 (0.70~7.90)	4.86 (0.80~6.50)
4,0	4,0	4,1	4,1	3.4 (COP)	3.4 (COP)	3.60 (COP)
A+	A+	A+	A+	-	-	-
5,2	5,2	7,4	7,4	-	-	-
-	-	-	-	-	-	-
5,2	5,2	7,4	7,4	-	-	-
1820	1820	2527	2527	-	-	-
1650x235x675						
-	-	-	-	-	-	-
41,4	41,4	41,4	41,4	41,4	41,4	42
-	-	-	-	-	-	-
26,0	26,0	30,0	30,0	34,0	34,0	37
-	-	-	-	-	-	-
60	60	62	62	64	64	68
940x998x330	940x998x330	940x998x330	940x998x330	940x1210x330	940x1210x330	940x1210x330
72	72	77	77	87	87	96
69	69	70	70	69	69	73
1,220-240,50	3,380-415,50	1,220-240,50	3,380-415,50	1,220-240,50	3,380-415,50	3,380-415,50
-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
9.52 (3/8") 15.88 (5/8")						
50	50	50	50	75	75	75
30	30	30	30	30	30	30
30	30	30	30	30	30	30
50	50	50	50	50	50	50
R-410A						
2088	2088	2088	2088	2088	2088	2088
3,00	3,00	3,00	3,00	3,40	3,40	3,50
6,26	6,26	6,26	6,26	7,10	7,10	7,31

3) Energy consumption 603 kWh/year according to the results of the standard tests.  
5) Energy consumption 1820 kWh/year according to the results of the standard tests.

3) Energy consumption 603 kWh/year according to the results of the standard tests.  
5) Energy consumption 1820 kWh/year according to the results of the standard tests.

3) Energy consumption 737 kWh/year according to the results of the standard tests.  
5) Energy consumption 2527 kWh/year according to the results of the standard tests.

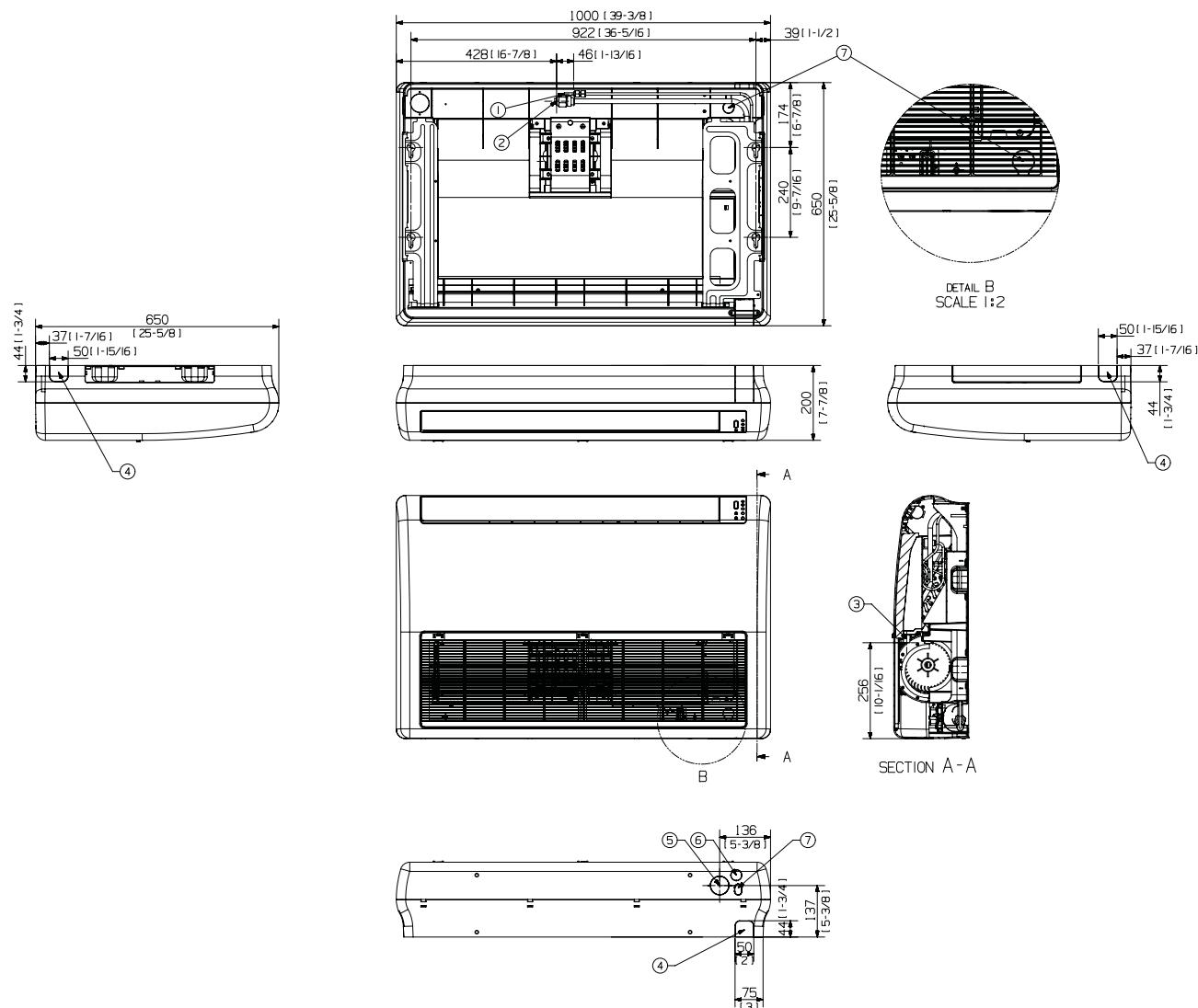
3) Energy consumption 737 kWh/year according to the results of the standard tests.  
5) Energy consumption 2527 kWh/year according to the results of the standard tests.

Code	Accessories	EAN
MWR-WE11N	Premium wired remote controller	8806088517902
MR-EH00	Wireless remote controller	8806086374361
MWR-SH10N	Simplified wired remote controller	8806086849548
MSD-CAN1	Virus Doctor device (optional)	8806071391090
MRW-TA	External temperature sensor (optional)	8808993622634
MIM-H03N	WI-FI kit (optional)	8806086830928

## TECHNICAL DRAWINGS INDOOR UNIT

### FLOOR/CEILING

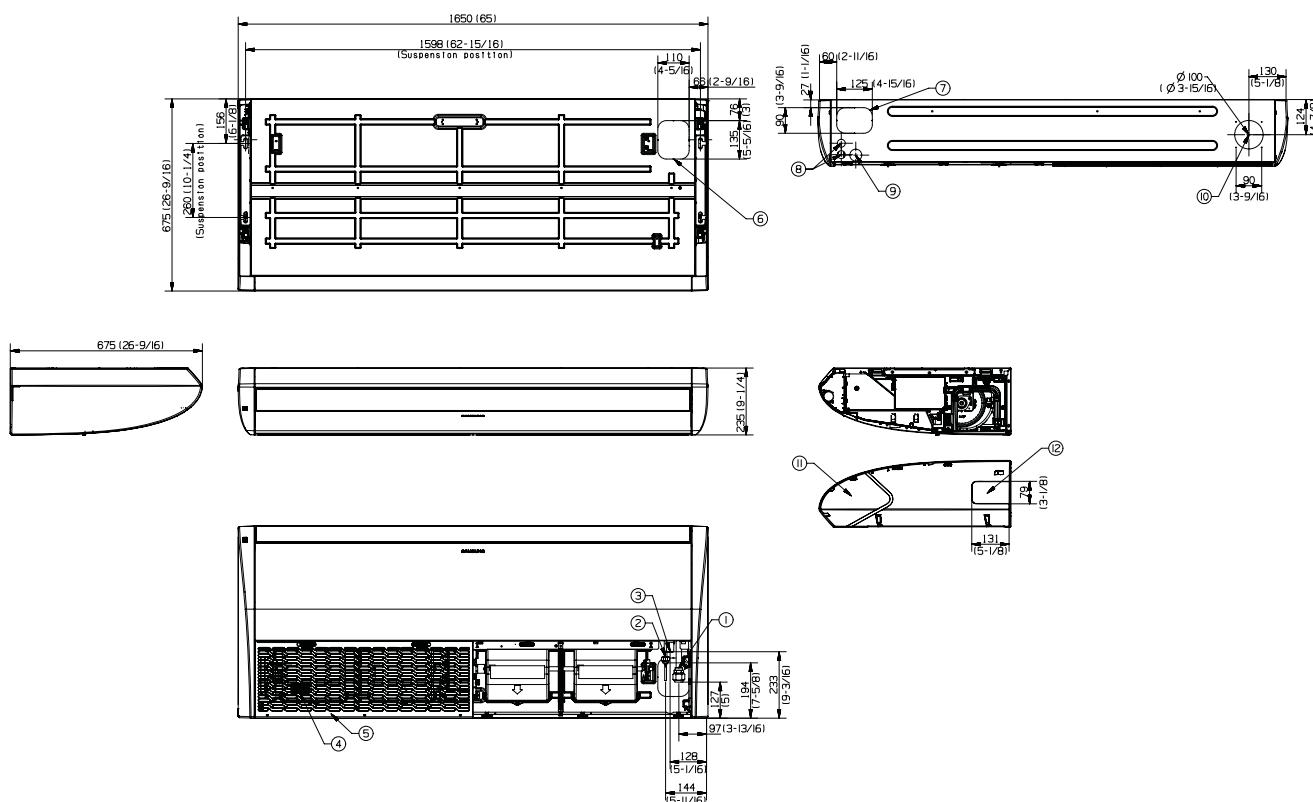
AC052MNCDKH/EU  
AC071MNCDKH/EU



Pos.	Name	Model	
		AC052MNCDKH/EU	AC071MNCDKH/EU
1	Liquid piping	ø 6,35 mm (1/4")	
2	Gas piping	ø 12,7 mm (1/2")	ø 15,88 mm (5/8")
3	Condensation drain piping	ID18mm [11/16"] Hose	
4	Piping connection	-	
6	Connection for external air	ø 50 [2]	
7	Connection of the condensation drain pipe	-	
8	Connection of the communication cables	-	

## CEILING

AC100MNCDKH/EU  
AC120MNCDKH/EU  
AC140MNCDKH/EU  
AC160JNCDEH/EU



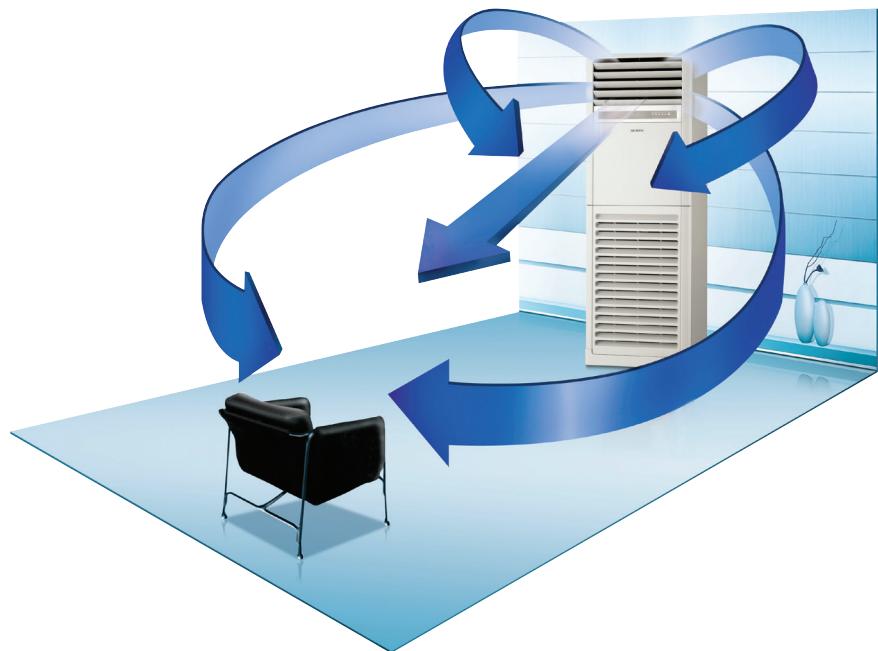
Pos.	Name	Description
1	Liquid piping	$\varnothing 6,35$ mm (1/4")
2	Gas piping	$\varnothing 12,7$ mm (1/2")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Filter	-
5	Air intake	-
6	Piping connection (front)	-
7	Piping connection (rear)	-
8	Connection of the communication cables	$\varnothing 28$ [1-1/8"]
9	Connection of the condensation drain pipe	$\varnothing 42$ [1-5/16]
10	Connection for external air	-
11	Cover	-
12	Piping connection (on a side)	-

# FLOOR-STANDING



## HIGH AIR SUPPLY

The high air supply of the floor-standing model enables a quick cooling in the room.





## FULL TOUCH DISPLAY

The touch panel enables a complete control of the indoor unit.

## AUTOMATIC FLAP CLOSING

When you switch off the indoor unit, the flaps automatically close and prevent dust particles from entering the room.



## FLOOR-STANDING



- Fan with inverter motor; anti-dust filter included
- Touch display with integrated controls
- Communication with "Nasa" protocol
- WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz or three-phase 400 V - 50 Hz
- Inverter Twin Rotary compressor – outdoor unit (except from 10,0kW model Single Rotary)



Model	Indoor Unit	AC100KNPDEH/EU		AC140KNPDEH/EU
	Outdoor Unit	AC100KXADEH/EU	AC140KXADGH/EU	
EAN	Indoor Unit	8806088439143	8806088439167	
	Outdoor Unit	8806088439150	8806088439174	
Cooling	Std Capacity (Min~Max) <sup>(1)</sup>	kW	10.00 (3.50~12.30)	13.40 (4.20~16.70)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	3.70 (1.10~4.90)	4.32 (0.90~5.90)
	SEER: Seasonal Energy Efficiency Ratio	-	5,8	3.10 (EER)
	Seasonal Energy Efficiency Class	-	A+	-
	Design Heat Load (Pdesignc) <sup>(2)</sup>	kW	10,0	-
	Indicative Annual Energy Consumption <sup>(3)</sup> (Q <sup>CE</sup> )	kWh/a	-	-
Heating	Std Capacity (Min~Max) <sup>(1)</sup>	kW	11.20 (4.20~14.00)	15.50 (4.00~20.00)
	Std Absorption (Min~Max) <sup>(1)</sup>	kW	3.39 (0.90~4.50)	4.50 (0.70~6.60)
	SCOP: Seasonal Coefficient of Performance	-	4,1	3.44 (COP)
	Seasonal Energy Efficiency Class	-	A+	-
	Design Heat Load (Pdesignc) <sup>(4)</sup>	kW	-	-
	Electric back-up heater capacity elbu (Tj)	kW	-	-
	Declared capacity	kW	-	-
	Indicative annual energy consumption <sup>(5)</sup> (Q <sup>HE</sup> )	kWh/a	-	-
Indoor Unit	Dimensions (WxHxD)	mm	610x1850x400	610x1850x400
	Panel Dimensions (WxHxD)	mm	-	-
	Weight	Kg	-	-
	Panel Weight	Kg	-	-
	Treated Air (Max)	m <sup>3</sup> /min	29,0	35,5
	Static Pressure Min-Std-Max	mmH2O	-	-
	Sound Power Level	dB(A)	60	63
Outdoor Unit	Dimensions (WxHxD)	mm	940x998x330	940x1210x330
	Weight	Kg	72	85
	Sound Pressure Level	dB(A)	70	70
	Power Supply	Ø, V, Hz	1, 220-240, 50	3, 380-415, 50
	Operating Range (Cooling)	°C	-15~50	-15~50
	Operating Range (Heating)	°C	-20~24	-20~24
Installation Data	Liquid/Gas Piping	Ømm (inch)	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")
	Piping Length Max	m	50	75
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	30	30
	Maximum Piping Length without Adding Refrigerant	m	5	5
	Additional Refrigerant Charging	g/m	50	50
Refrigerant	Refrigerant Type <sup>(7)</sup>	-	R-410A	R-410A
	GWP: Global warming potential of the used refrigerant <sup>(7)</sup>	-	2088	2088
	Factory Charging	Kg	3,00	3,50
	Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> Eq	6,26	7,31

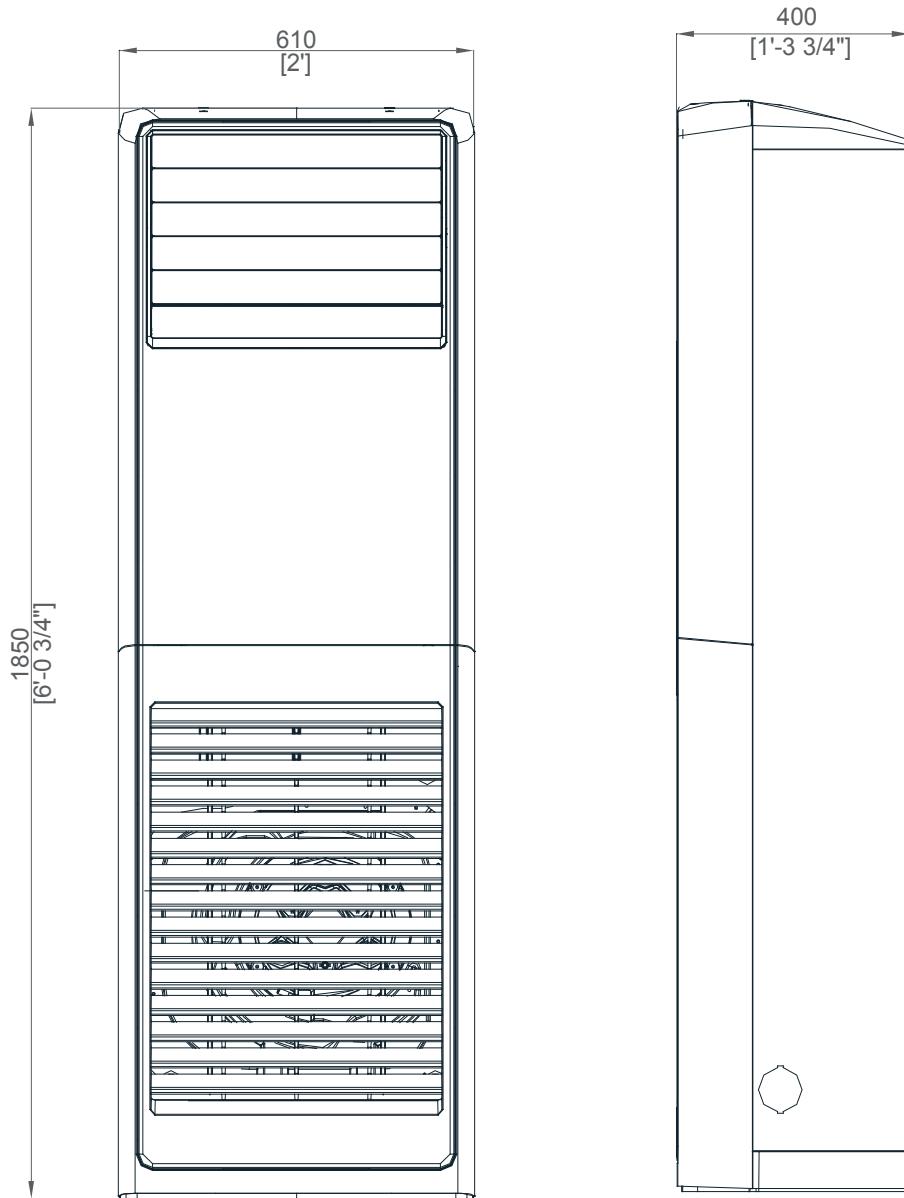
For generic legal notes, see page 26

The actual consumption depends on how the device is used and on the place in which it is installed.

Code	Accessories	EAN
MWR-WE1IN	Premium wired remote controller	8806088517902
MWR-SH10N	Simplified wired remote controller	8806086849548
MRW-TA	External temperature sensor (optional)	8808993622634
MIM-H03N	WI-FI kit (optional)	8806086830928

## FLOOR-STANDING

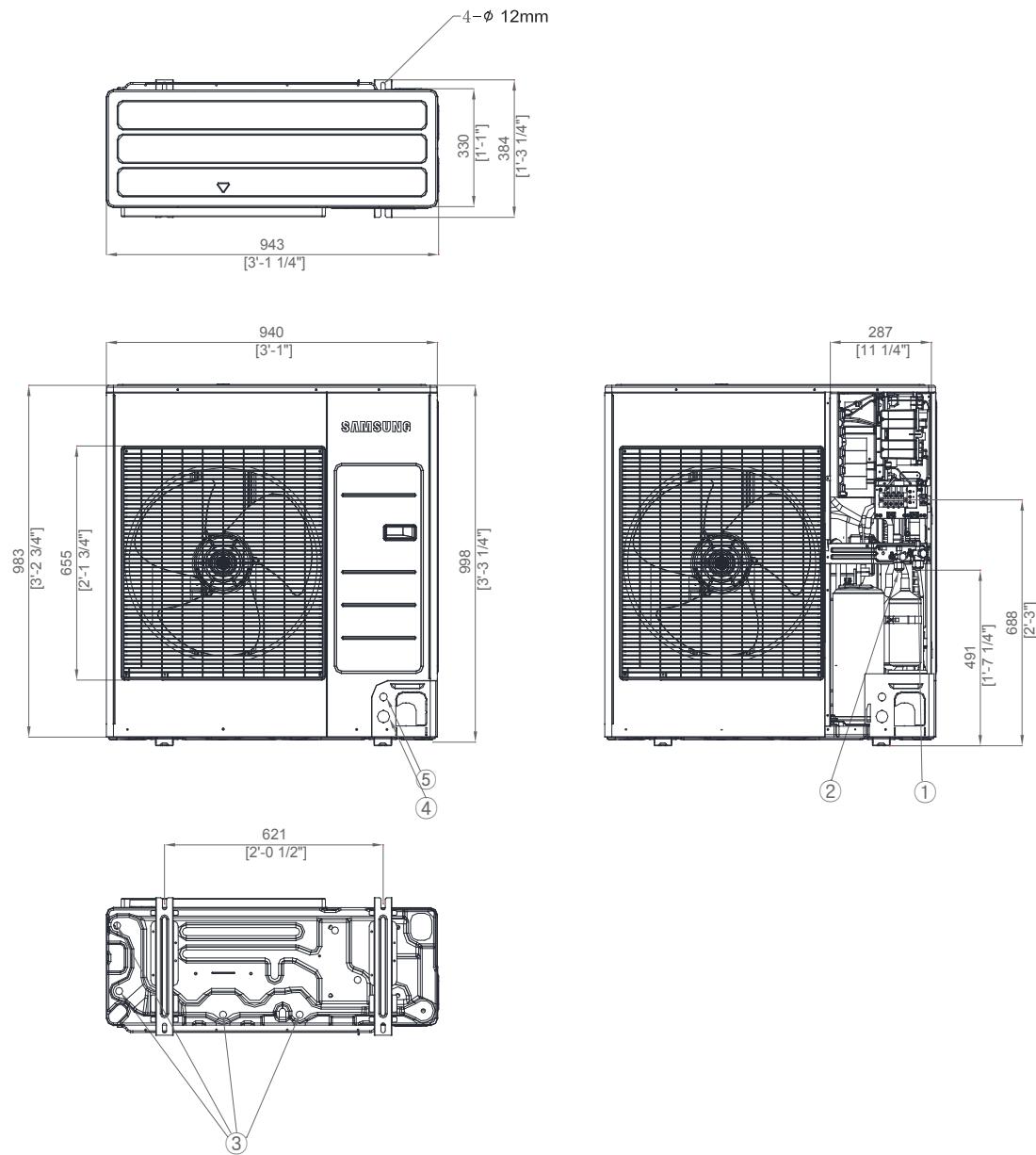
AC100KNPDEH/EU  
AC140KNPDEH/EU



Pos.	Name	Description
1	Gas piping refrigerant	ø15,88mm (5/8")
2	Liquid piping refrigerant	ø 9,52mm (3/8")
3	Condensation drain piping	-

## TECHNICAL DRAWINGS OUTDOOR UNIT

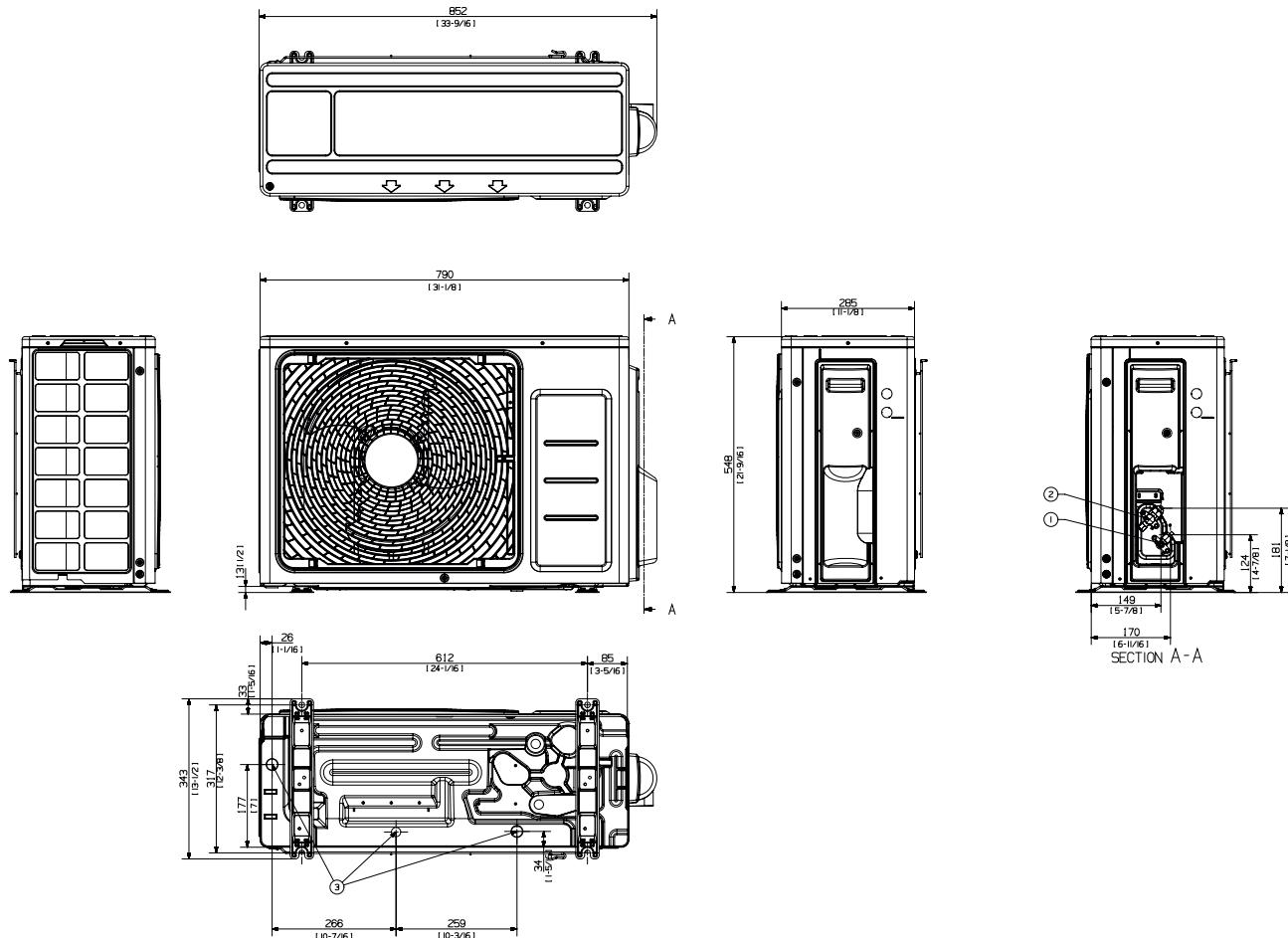
AC100KXADEH/EU



Pos.	Name	Description
1	Gas piping refrigerant	ø 15,88mm
2	Liquid piping refrigerant	ø 9,52mm
3	Hole for condensation drainage	ø 20,6mm
4	Power supply cables	ø 34,5mm
5	Communication cables	ø 22,2mm
6	-	-

# CAC - Commercial Air Conditioner

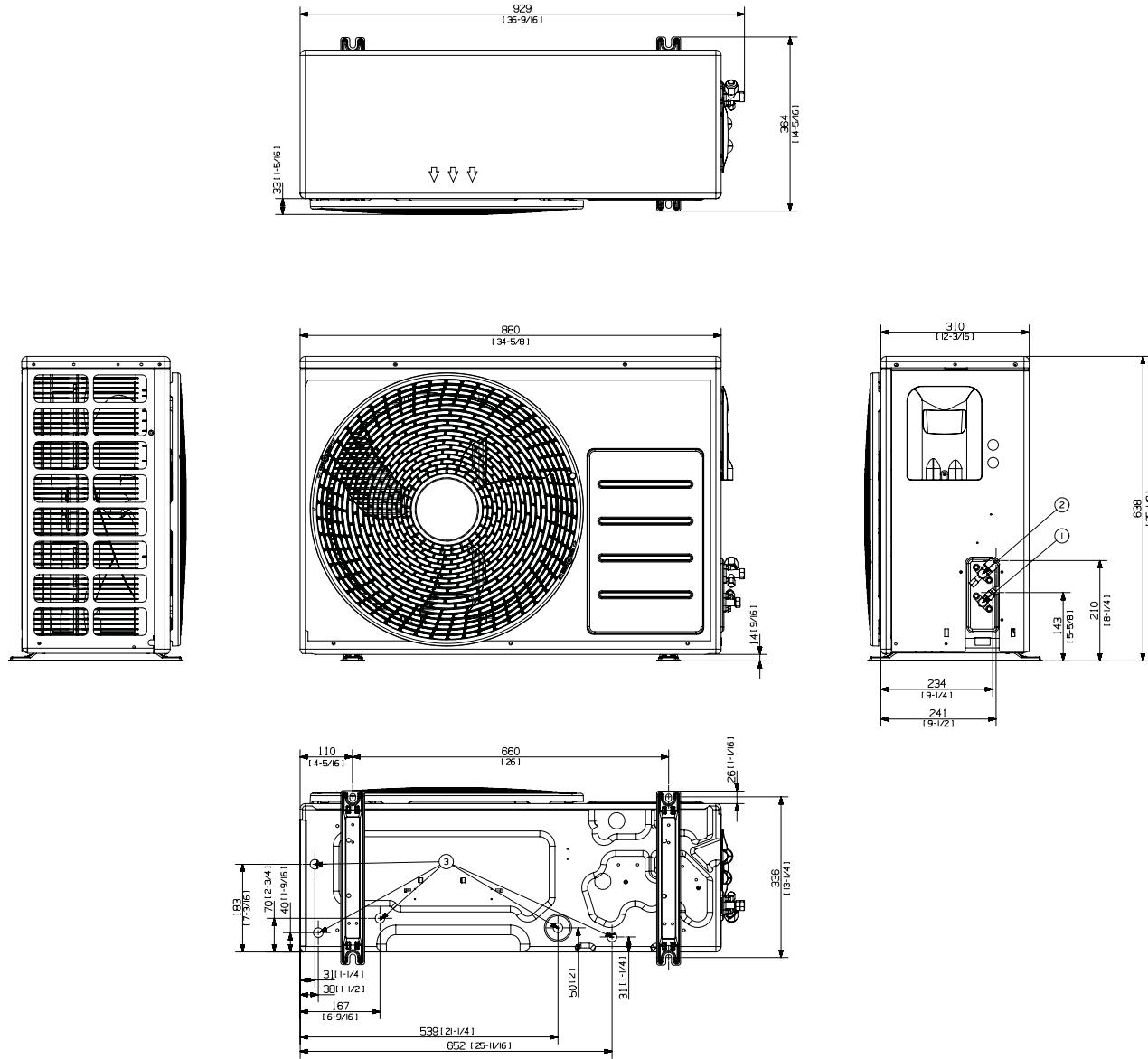
AC026MXADKH  
AC035MXADKH



Pos.	Name	Description
1	Gas piping refrigerant	ø 6,35mm (1/4")
2	Liquid piping refrigerant	ø 9,52mm (3/8")
3	Hole for condensation drainage	-

## TECHNICAL DRAWINGS OUTDOOR UNIT

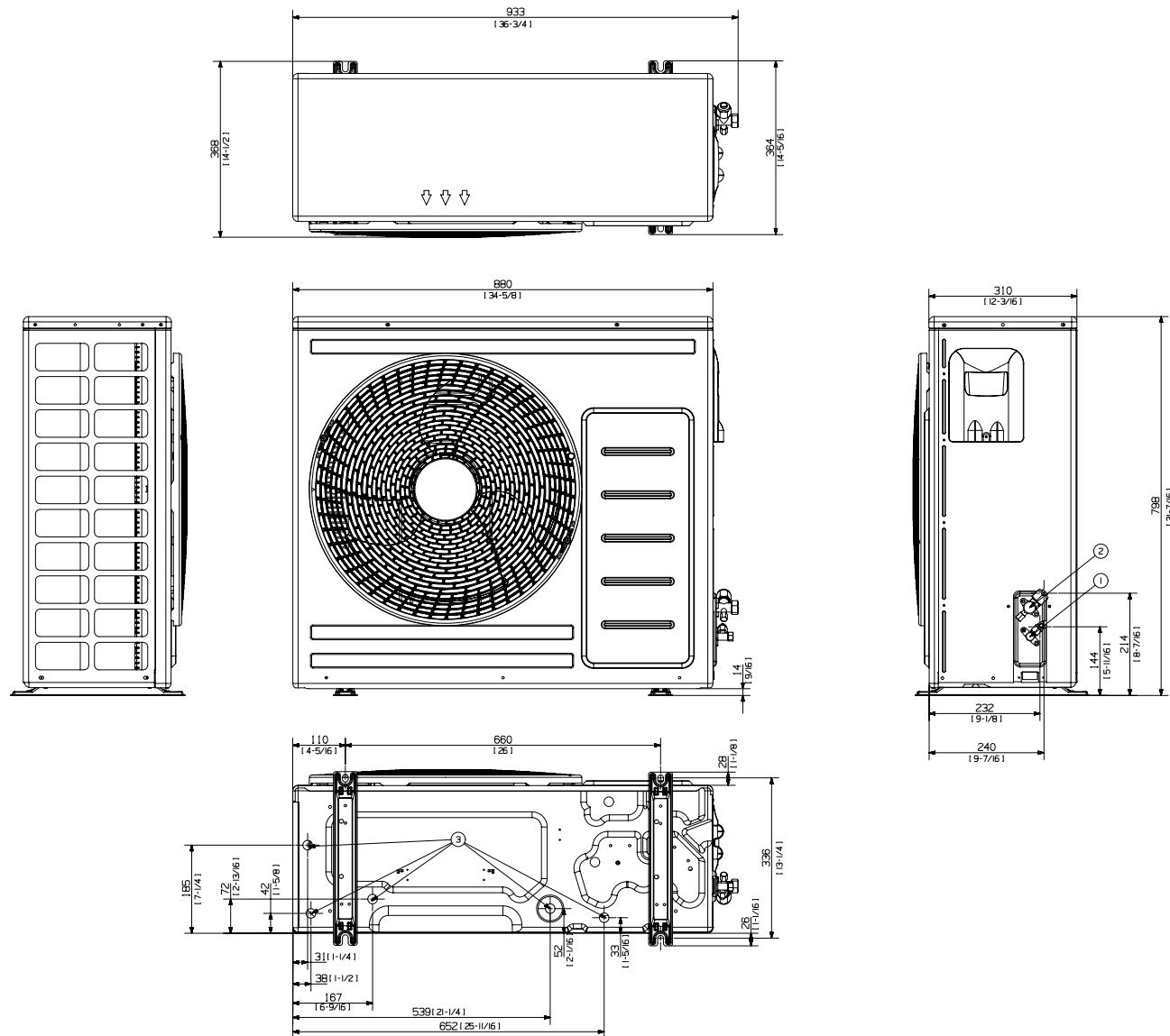
AC052MXADKH  
AC060MXADKH



Pos.	Name	Description
1	Gas piping refrigerant	ø 6,35mm (1/4")
2	Liquid piping refrigerant	ø 12,7mm (1/2")
3	Hole for condensation drainage	-

# CAC - Commercial Air Conditioner

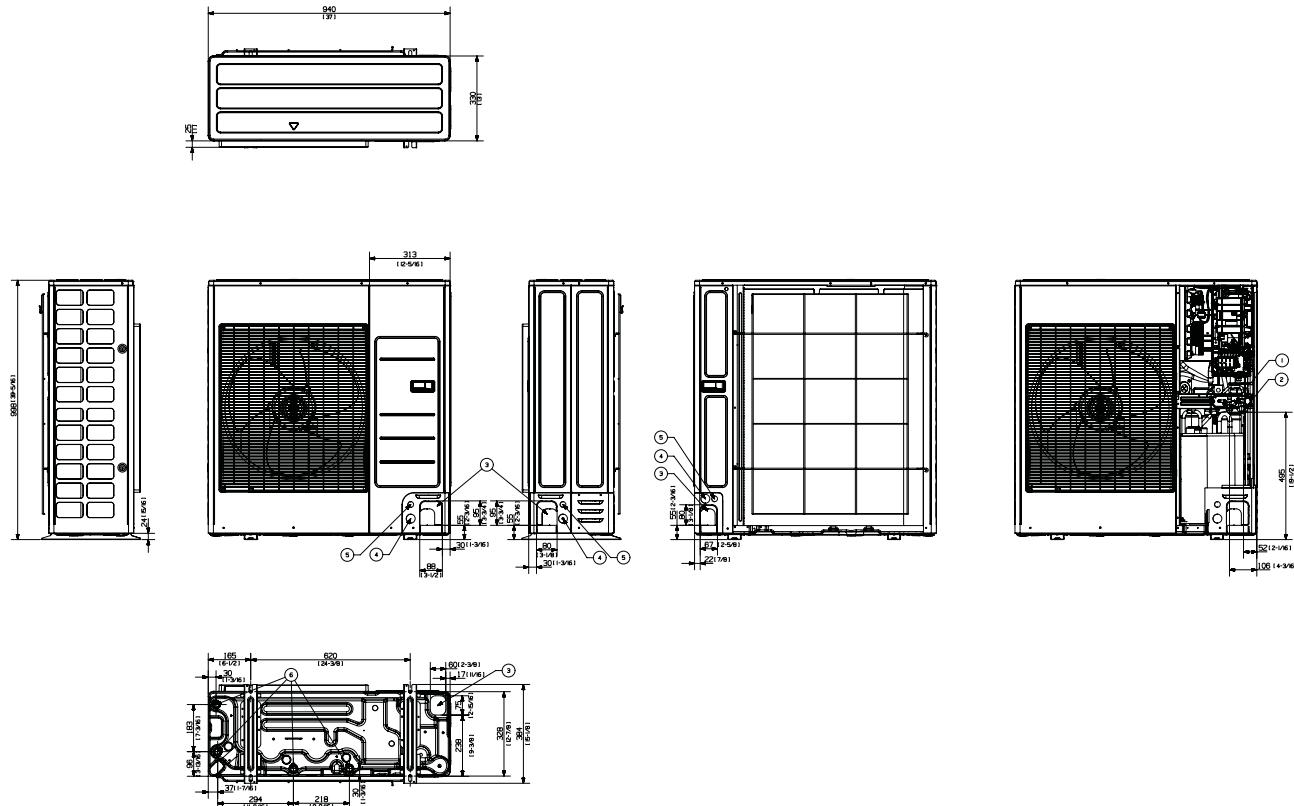
AC071MXADKH



Pos.	Name	Description
1	Gas piping refrigerant	ø 6,35mm (1/4")
2	Liquid piping refrigerant	ø 15,88mm (5/8")
3	Hole for condensation drainage	-

## TECHNICAL DRAWINGS OUTDOOR UNIT

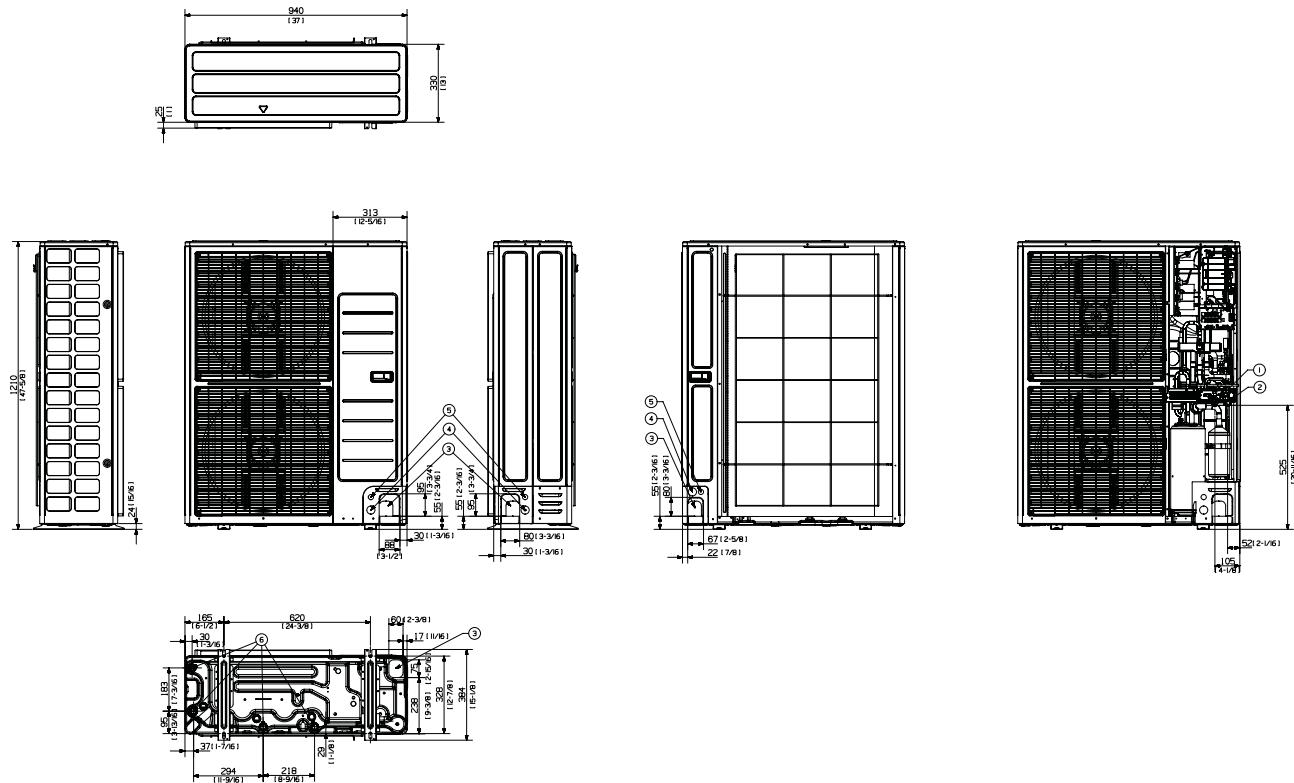
AC090MXAD\*H  
AC100MXAD\*H  
AC120MXAD\*H



Pos.	Name	Description
1	Gas piping refrigerant	ø 9,52mm (3/8")
2	Liquid piping refrigerant	ø 15,88mm (5/8")
3	Direct suction hose	Front / Side / Back / Bottom
4	Power supply cables	Front / Side / Back, ø 34mm (1-3/8")
5	Communication cables	Front / Side / Back, ø 22mm (7/8")
6	Hole for condensation drainage	Connect with the supplied draining cap

# CAC - Commercial Air Conditioner

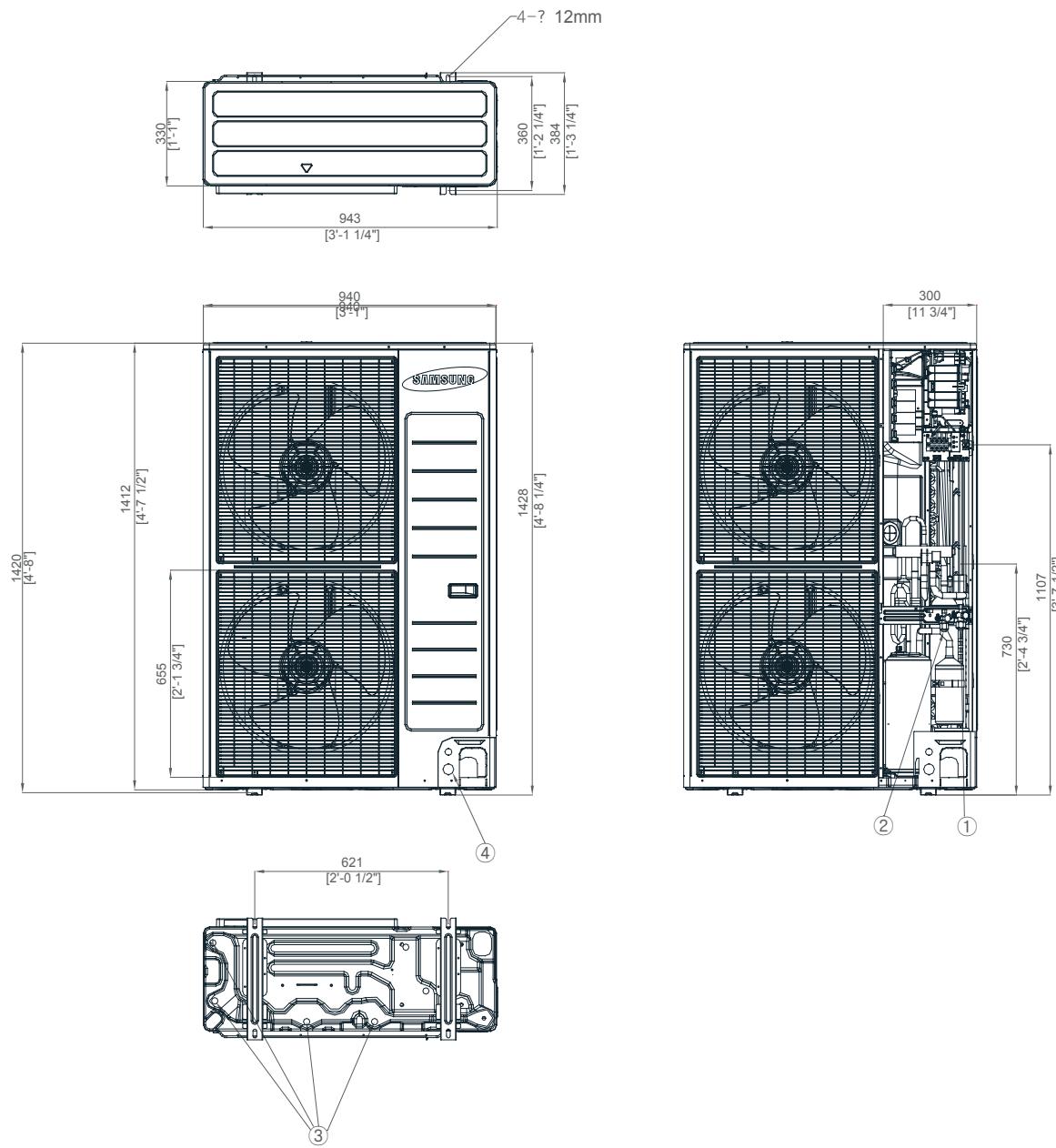
AC140MXAD\*H



Pos.	Name	Description
1	Gas piping refrigerant	ø 9,52mm (3/8")
2	Liquid piping refrigerant	ø 15,88mm (5/8")
3	Direct suction hose	Front / Side / Back / Bottom
4	Power supply cables	Front / Side / Back, ø 34mm (1-3/8")
5	Communication cables	Front / Side / Back, ø 22mm (7/8")
6	Hole for condensation drainage	Connect with the supplied draining cap

## TECHNICAL DRAWINGS OUTDOOR UNIT

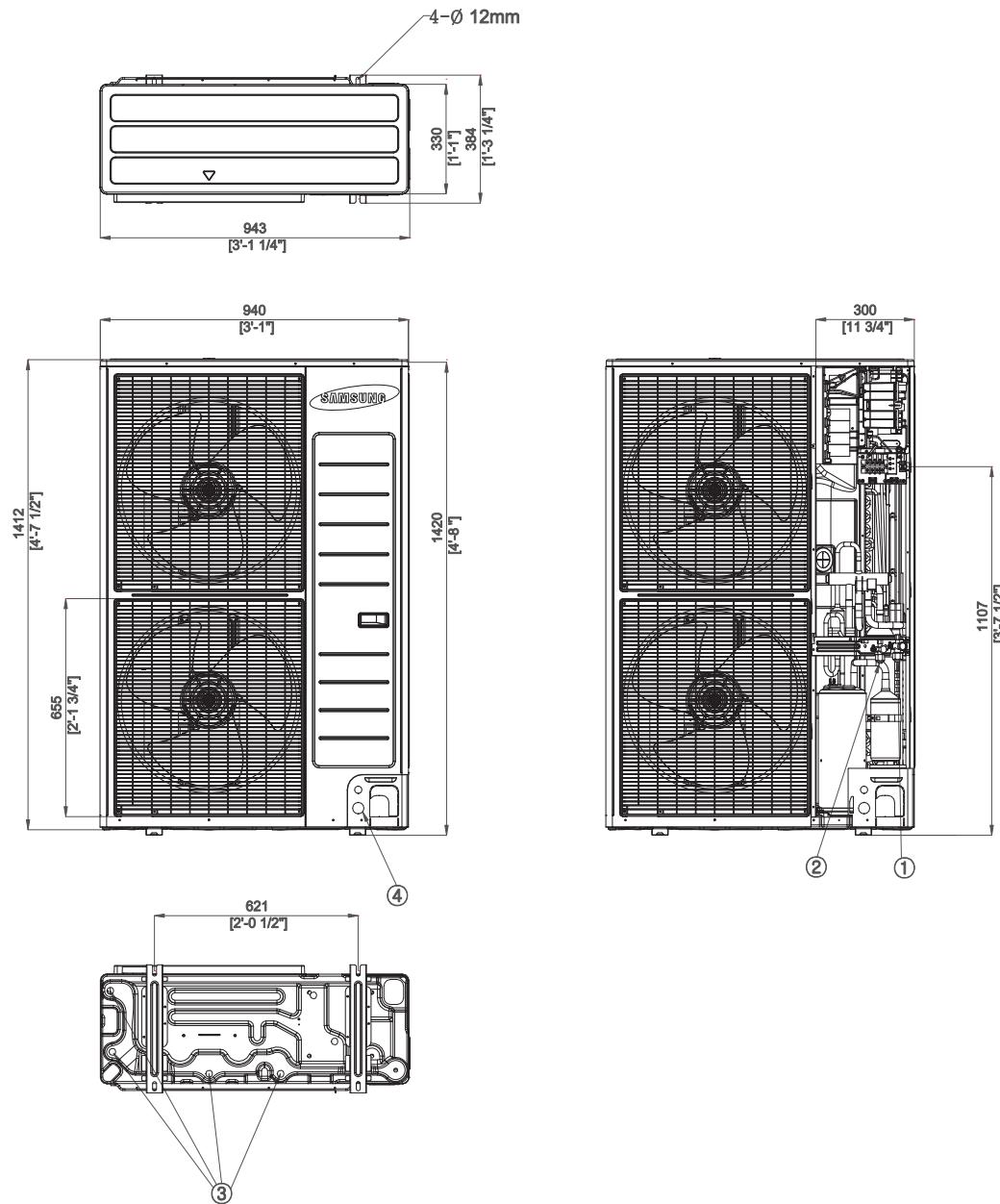
AC160JXADGH/EU



Pos.	Name	Description
1	Gas piping refrigerant	-
2	Liquid piping refrigerant	-
3	Hole for condensation drainage	-
4	Power supply/communication cables	-
5	-	-
6	-	-

# CAC - Commercial Air Conditioner

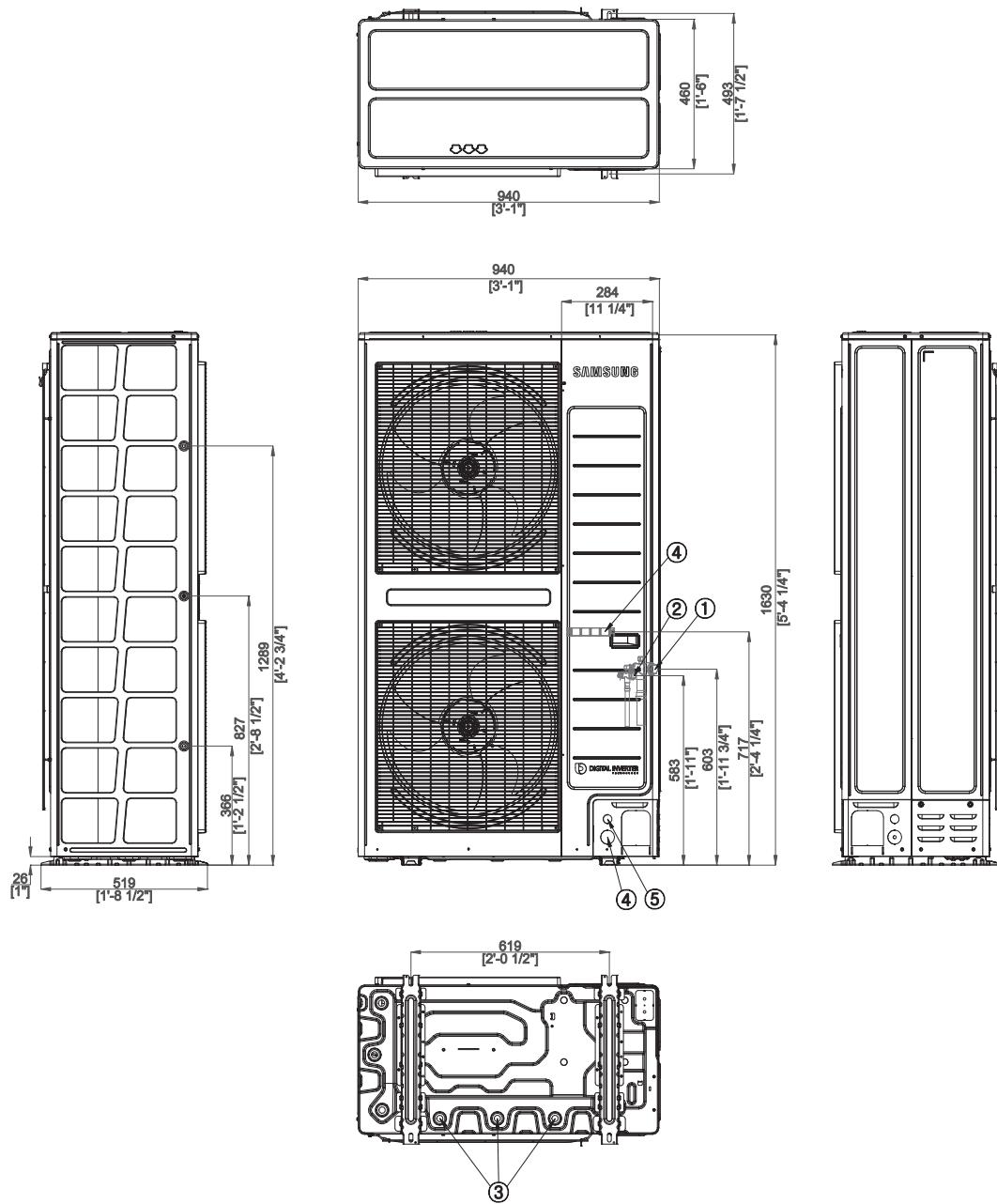
AC180JXAPNH/EU



Pos.	Name	Description
1	Liquid piping	ø 9,52mm (3/8")
2	Gas piping	ø 15,88mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply/communication cables	-
5	Air-inlet flange	-
6	Air-outlet flange	-
7	Air tie rod	Use M8 ~ M10 bolt (4ea)

## TECHNICAL DRAWINGS OUTDOOR UNIT

AC200KXAPNH/EU  
AC250KXAPNH/EU



Pos.	Name	Description
1	Gas piping refrigerant	-
2	Liquid piping refrigerant	-
3	Hole for condensation drainage	-
4	Power supply cables	-
5	Communication cables	-
6	-	-



# ● EHS - Eco Heating System





# EHS SYSTEM



## ARE YOU STILL USING A GAS OR FUEL OIL HEATING SYSTEM?

An eco-friendly heating system that considers above all the earth's health. If you are still using a gas or fuel oil heating system, now you have the possibility to get a much higher efficiency, to save space and, much more important, to protect the environment by replacing it with an EHS System by Samsung. Thanks to this system you can heat your (new or renovated) house in a more efficient way by saving energy and money as well as the space occupied by the heating system. It will be no longer necessary to install an air conditioning system too because EHS system offers everything you need throughout the year. Enjoy your life thanks to this technology as innovative as it is convenient!

## WHICH ARE THE ADVANTAGES?

The usage of a heat pump system to heat the house and produce domestic hot water is a particularly efficient and eco-friendly solution. The main advantage resulting from such efficiency is a relevant reduction in energy absorption and thus in operating costs. EU has definitively classified the heat pump system among the "renewable energy" products. Thanks to this classification, end users can enjoy special tax benefits in compliance with the provisions of the local authorities. Your installer could give you more information about tax benefits.



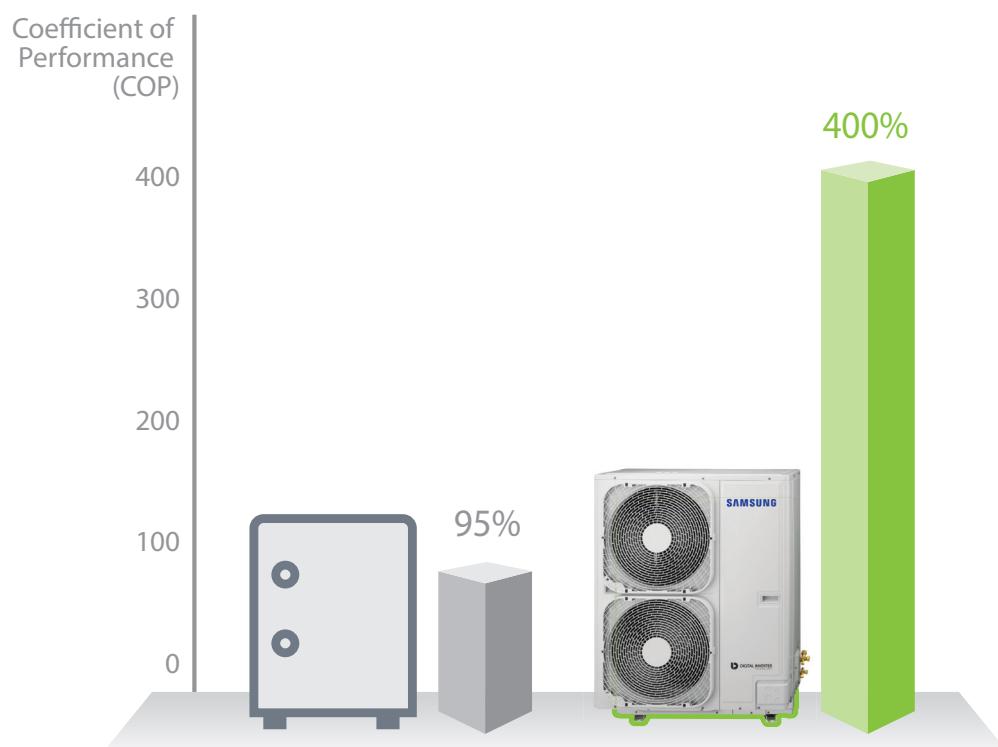
## WHAT'S A HEAT PUMP?

A heat pump is a high-efficient energy system for domestic heating and domestic hot water production. The usage of a heat pump system to heat the house and produce domestic hot water is a very efficient and eco-friendly solution.



## HOW DOES IT WORK?

In order to make available a higher quantity of thermal energy in the radiant panel system, a heat pump needs less primary energy than a traditional heating system. Actually for each kWh of primary energy absorbed, a heat pump is able to make available more than 4kWh of useful energy with a Coefficient of Performance (COP) above 400%. The performance of a good heating system can reach instead 95%. All this means that, contrary to heat pump, the heating systems use more energy than the energy they make available as heat.





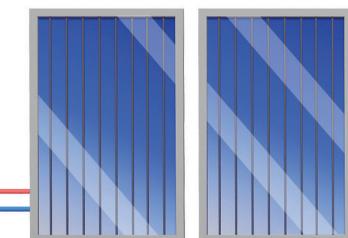
### OUTDOOR UNIT

It transfers the outdoor air heat to the house during the winter while in summer it disperses the indoor heat in the outdoor air.



### EEV KIT

The EEV (Electronic Expansion Valve) Kit checks the liquid refrigerant flow.  
(Only for wall-mounted indoor units)



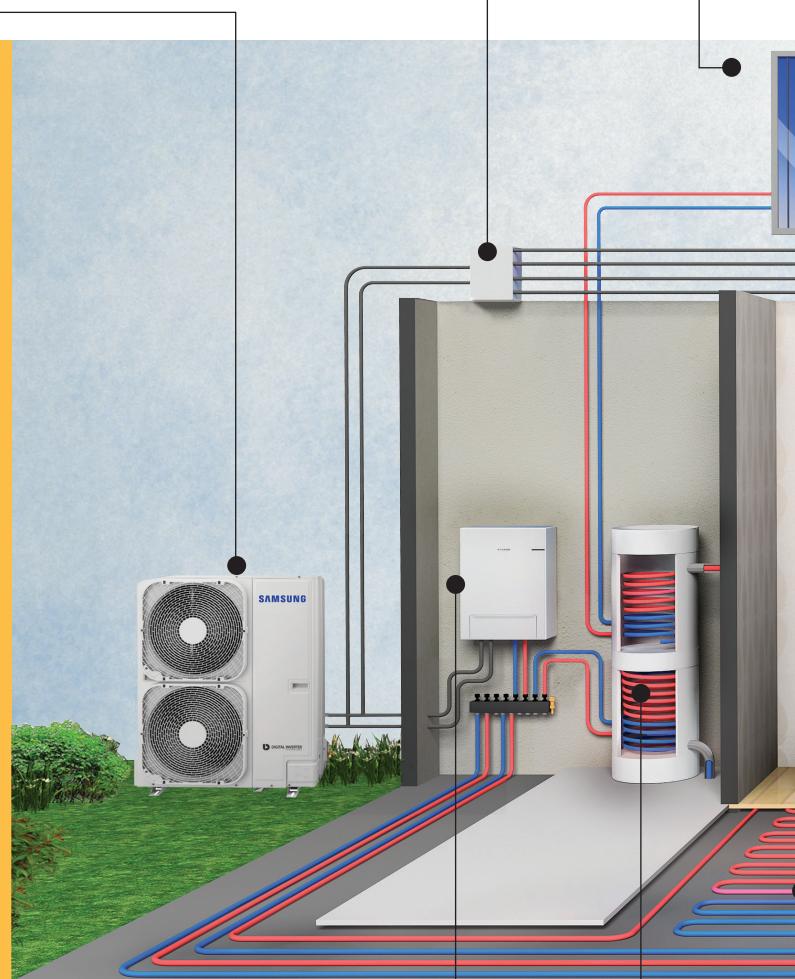
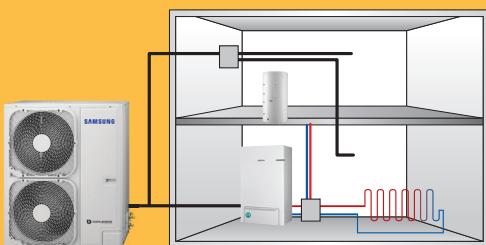
### SOLAR PANELS

(not provided by Samsung)

They can provide up to 70% of the heat required to produce domestic hot water by using solar energy.

## OVERVIEW OF THE EHS TDM PLUS SYSTEM

The EHS TDM Plus system is an "All-In-One" system that uses a **high-efficient heat pump technology for domestic heating** in winter by keeping the **temperature at an optimal level** throughout the year with very limited operating costs both in cooling and heating modes! Therefore, it is a **very economical and compatible system** that not only limits operating costs and CO<sub>2</sub> emission but also offers different solutions with regard to air-conditioning and heating of the house, and domestic hot water. Moreover, it is **able to meet the very different users' needs** throughout the year.



### HYDRONIC SYSTEM

Heat exchanger for hot water production.



### DOMESTIC HOT WATER STORAGE TANK



### UNDERFLOOR RADIANT PANELS AND RADIATORS

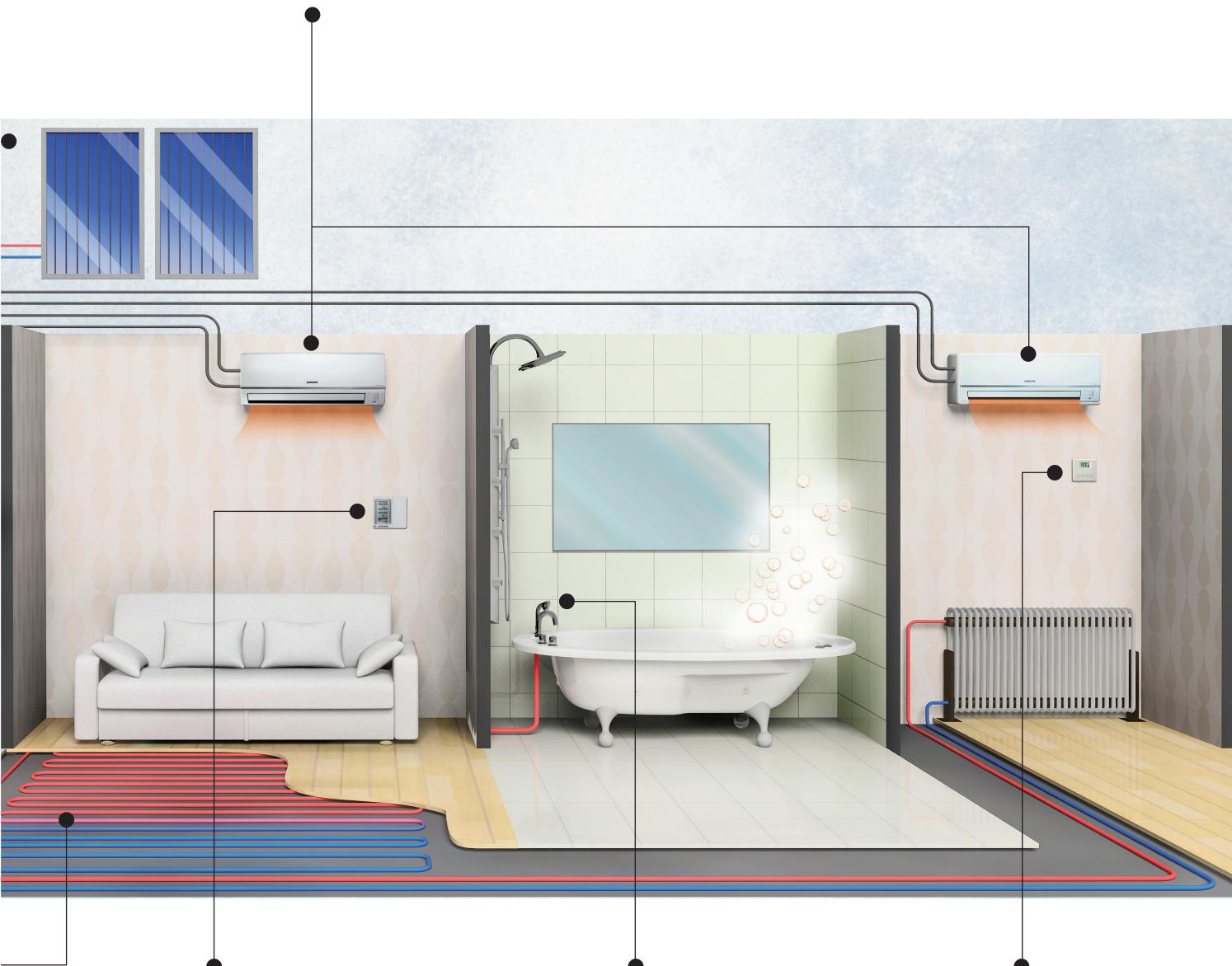
(not provided by Samsung)

They heat the house and make it pleasant to live in.



## DIRECT EXPANSION INDOOR UNITS

Wall-mounted Style models or Slim duct models.



## CONTROL PANEL

Multi-functional control panel to manage the hydronic part (it can also be remotely operated).



## THERMOSTATIC MIXER FOR DOMESTIC HOT WATER

(not provided by Samsung)

It ensures a supply of hot water with a constant temperature.



## AMBIENT THERMOSTAT

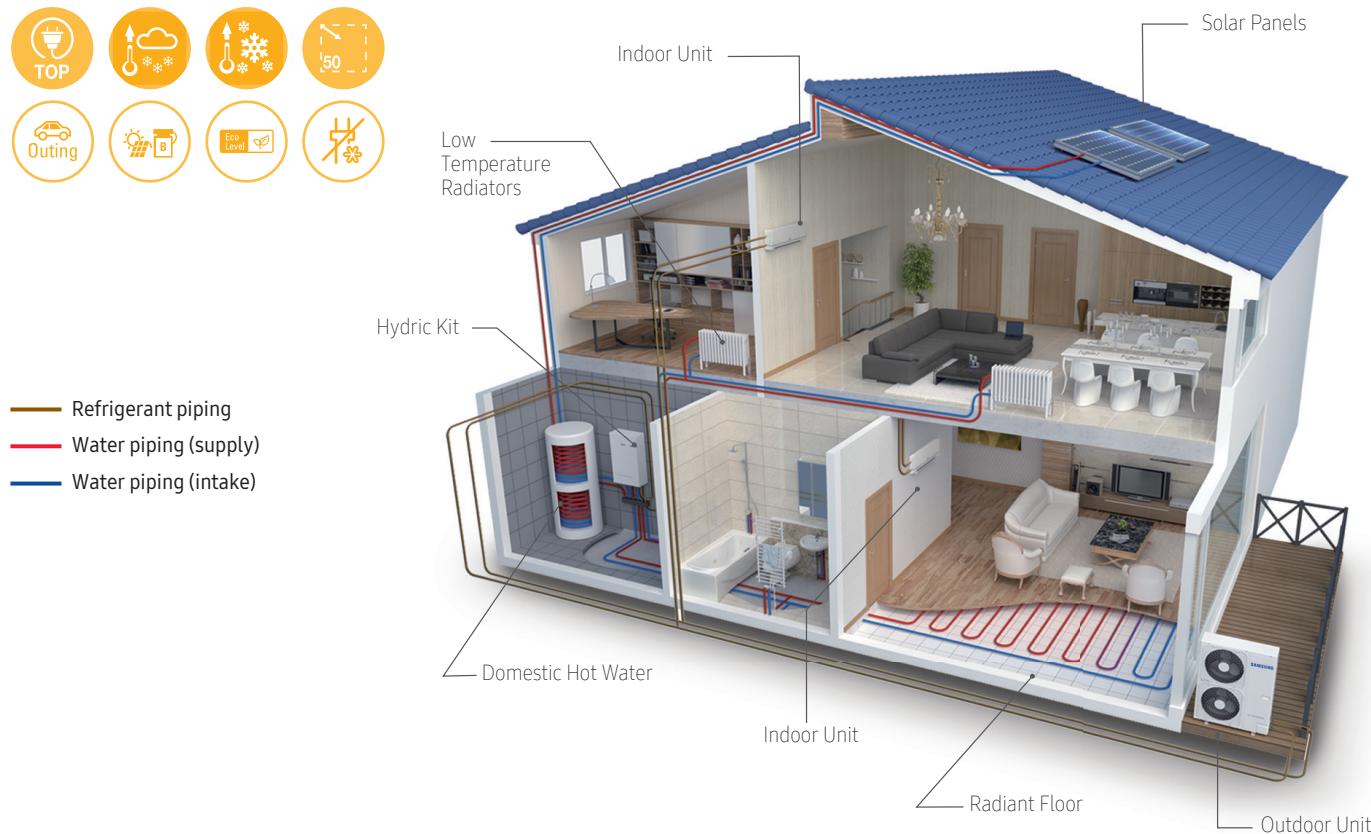
(not provided by Samsung)

It automatically adjusts the room temperature according to the set temperature.

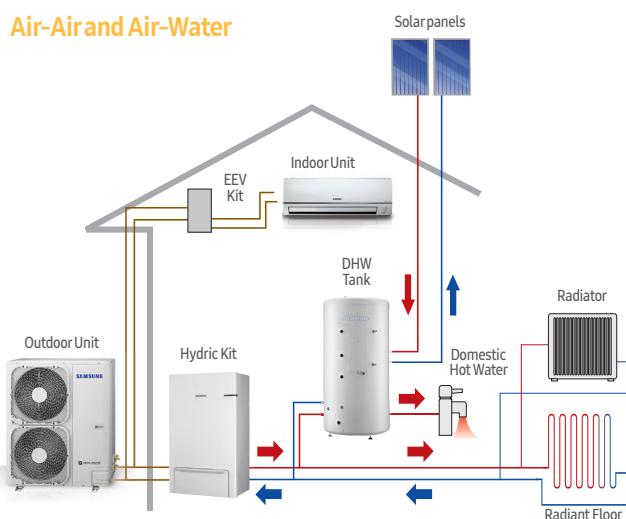
## "ALL IN ONE" AIR-WATER AND AIR-AIR SYSTEM FOR ALL NEEDS



The EHS TDM Plus system can be used throughout the year for cooling and heating both in air-water mode and in air-air mode. It enables underfloor heating/cooling and to power low temperature radiators.

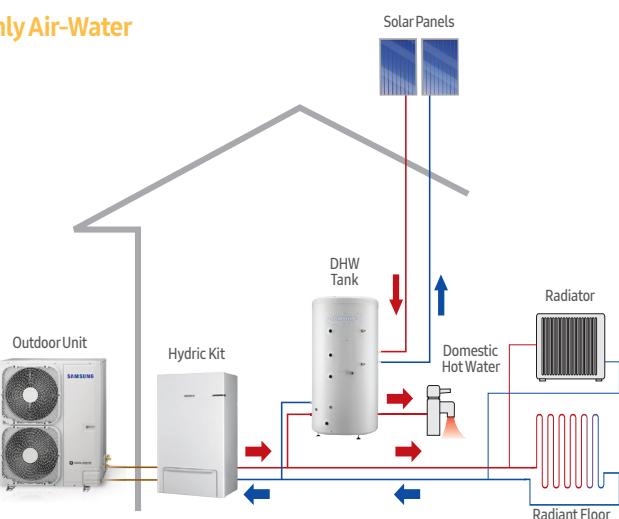


### Air-Air and Air-Water



- Outdoor unit + EEV kit + Indoor units
- Outdoor unit + Hydronic system + Underfloor heating/cooling
- + Low temperature radiator, no central heating
- + Domestic hot water storage tank

### Only Air-Water



- Outdoor unit + Hydronic system + Underfloor heating/cooling
- + Low temperature radiator, no central heating
- + Domestic hot water storage tank



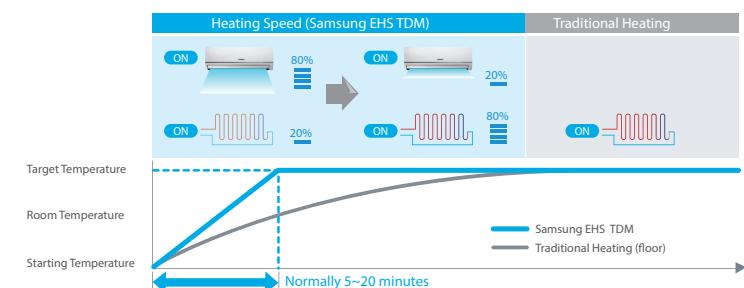
## 50% REDUCTION IN OPERATING COSTS AND INSTALLATION SPACE

With an outdoor unit operating in air-air and air-water modes, the EHS TDM Plus system allows relevant saving both with regard to purchase and installation costs and to the space required for the installation in case of a single outdoor unit.



## FAST HEATING THANKS TO THE TDM TECHNOLOGY (TIME DIVISION MULTI)

The underfloor radiant panel heating is known to be the optimal system to obtain the ideal thermal comfort. 4~8 hours from its activation are required to adjust the room temperature. The TDM technology used in the EHS system with air terminal units enables to significantly reduce the adjustment times of the room temperature.



## HIGH PERFORMANCES EVEN AT LOW TEMPERATURE

The EHS TDM Plus system is equipped with an inverter compressor managed according to the outdoor temperature that is able to supply 90% of its nominal power also in case of outdoor temperature at -10°C, and to operate anyway with outdoor temperatures up to -20°C.



## A SYSTEM FOR ALL SEASONS

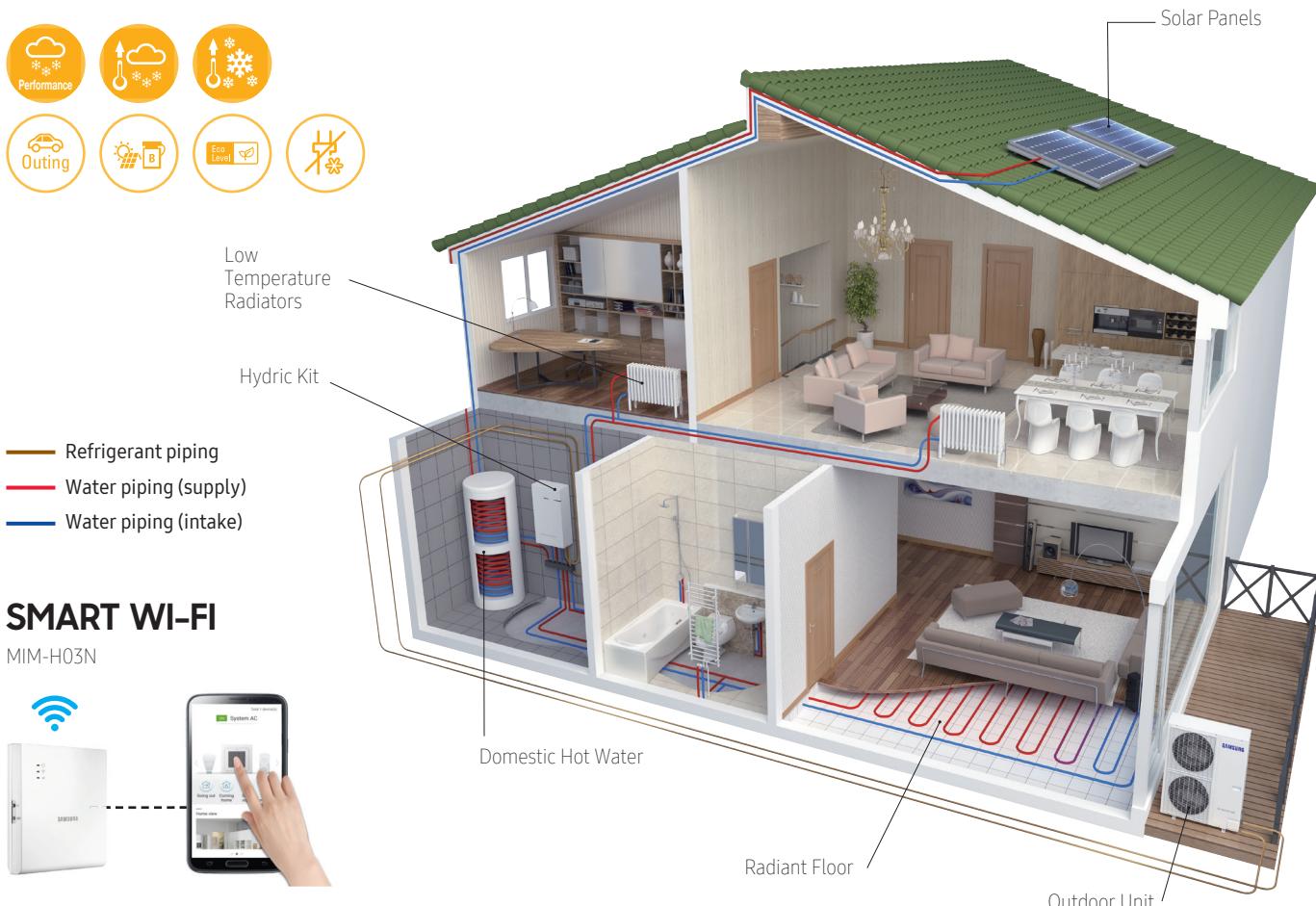
Each season and each climate require a specific usage. The EHS TDM Plus system can be used throughout the year for heating and cooling both in air-water mode and in air-air mode.



## OUTDOOR UNIT WITH SEPARATED HYDRIC KIT FOR ALL APPLICATION REQUIREMENTS



By means of the hydric kit, EHS SPLIT enables to produce domestic hot water and underfloor heating/cooling, and to power radiators at low temperature.



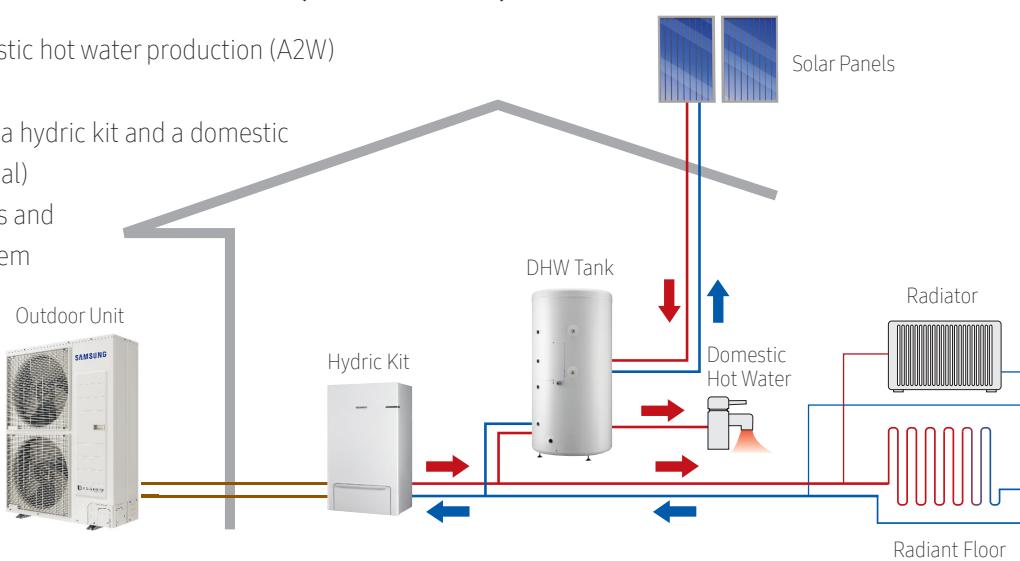
### SMART WI-FI

MIM-H03N



### EHS SPLIT INSTALLATION POSSIBILITY (AIR-WATER)

- Underfloor heating and domestic hot water production (A2W)
- Underfloor cooling (A2W)
- Composed of an outdoor unit, a hydric kit and a domestic hot water storage tank (optional)
- Compatibility with solar panels and possible back-up heating system

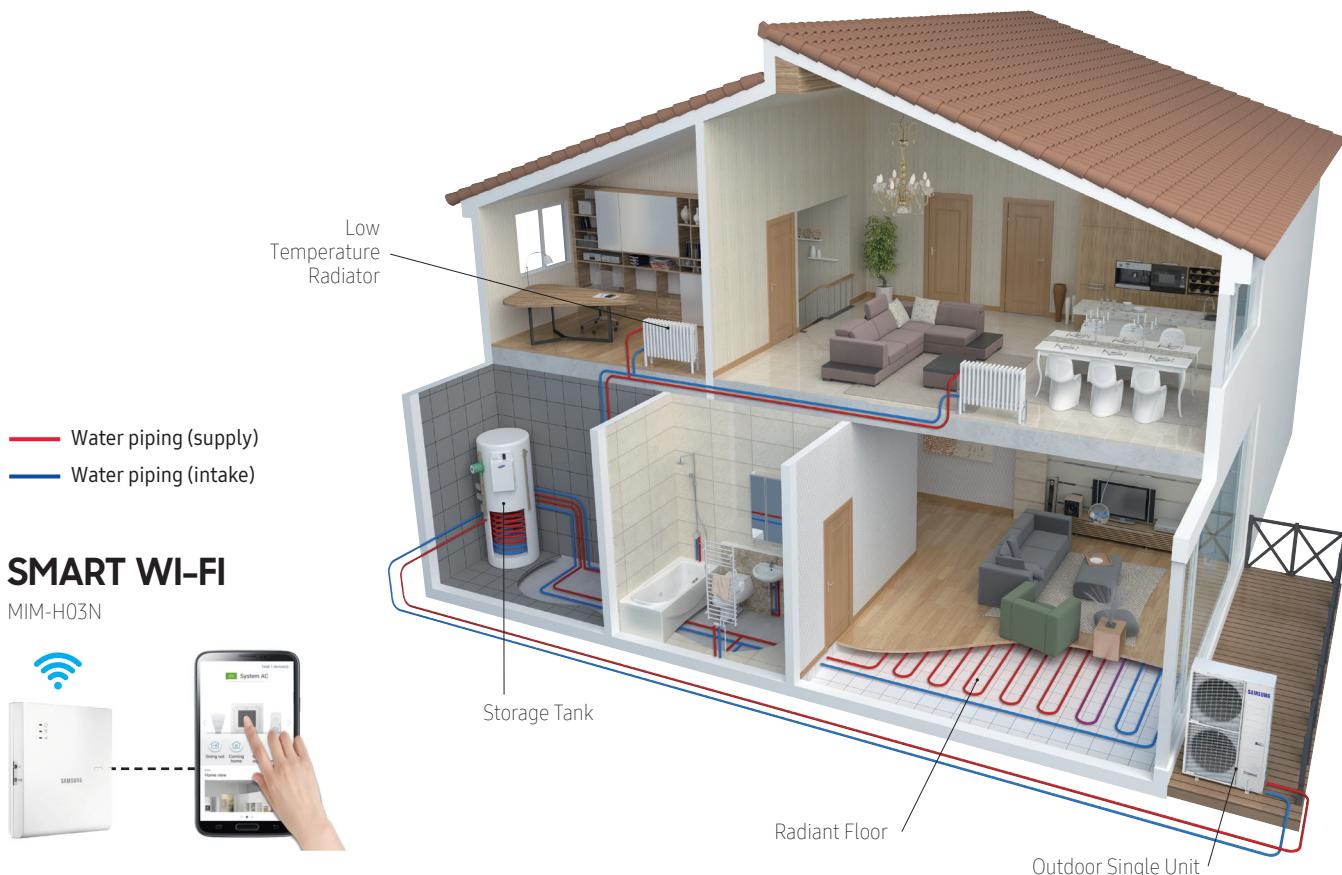




# SINGLE OUTDOOR UNIT FOR A SIMPLIFIED INSTALLATION AND AN EASY USAGE

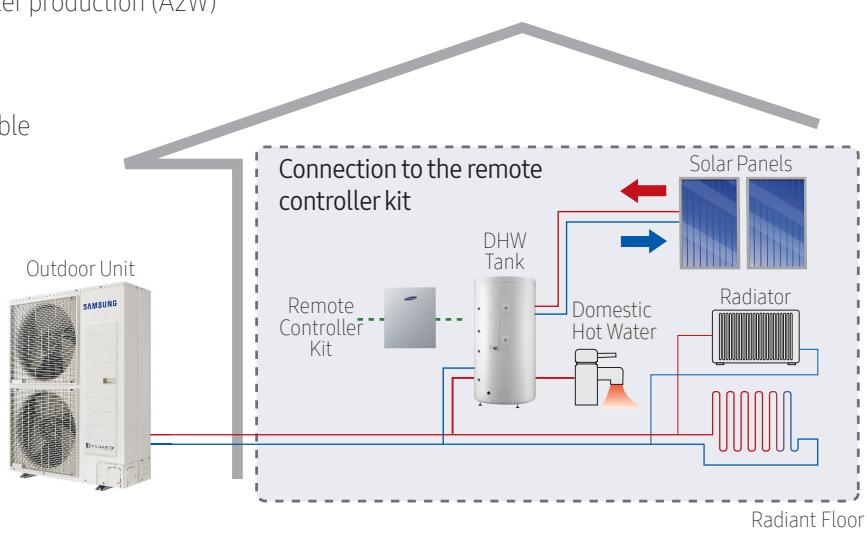


EHS MONO has an outdoor unit including the hydronic system. It is not necessary to make space for the hydric kit installation and for the refrigerant piping.



## EHS MONO INSTALLATION POSSIBILITIES (AIR-WATER)

- Underfloor heating and domestic hot water production (A2W)
- Underfloor cooling (A2W)
- Chilled water production
- Compatibility with solar panels and possible back-up heating system



TYPOLOGY	Power Supply Capacity	OUTDOOR UNIT												HYDRIC KIT	
		4.0kW	5.0kW	6.0kW	7.0kW	8.0kW	9.0kW	10.0kW	11.0kW	12.0kW	14.0kW	16.0kW	4~9kW	11~16kW	
 <b>EHS MONO</b>	Single-phase 220-240V 50Hz			●				●			●	●	●		
	Three-phase 380-415V 50Hz						●				●	●	●		
 <b>EHS SPLIT</b>	Single-phase 220-240V 50Hz	●		●			●			●	●	●	●	●	●
	Three-phase 380-415V 50Hz						●			●	●	●	●	●	●
 <b>EHS TDM Plus</b>	Single-phase 220-240V 50Hz	●		●	●		●			●		●		●	●
	Three-phase 380-415V 50Hz						●			●		●			



Eurovent Certification

## EHS - Eco Heating System

DOMESTIC HOT WATER STORAGE TANK		REMOTE CONTROLLER KIT	INDOOR UNIT								DESCRIPTION
Standard 200L	Solar 300L	-	Model	2.2kW	2.8kW	3.6kW	4.5kW	5.6kW	7.1kW	9.0kW	
●	●	●									• Air-water system with exchanger integrated in the outdoor unit • Installation flexibility • Management of the indoor and outdoor systems through the Wi-Fi application
●	●	●									• Air-water system including an outdoor unit and an hydronic system • Integrated circulation pump • Installation flexibility • Management of the indoor and outdoor system through the Wi-Fi application
●	●		Wall-mounted Style	●	●	●		●	●		• Integrated system for heating/cooling and hot water production • Integrated circulation pump • Installation flexibility • Ductable and connectable with wall-mounted and console indoor units • Unified control solution (NASA, Wi-Fi Kit) • Emergency Operation • Higher efficiency (EER 3.61 / COP 4.05)
●	●		Slim Duct	●	●	●	●	●			
●	●		MSP Duct						●	●	
●	●		Console	●	●	●		●	●		

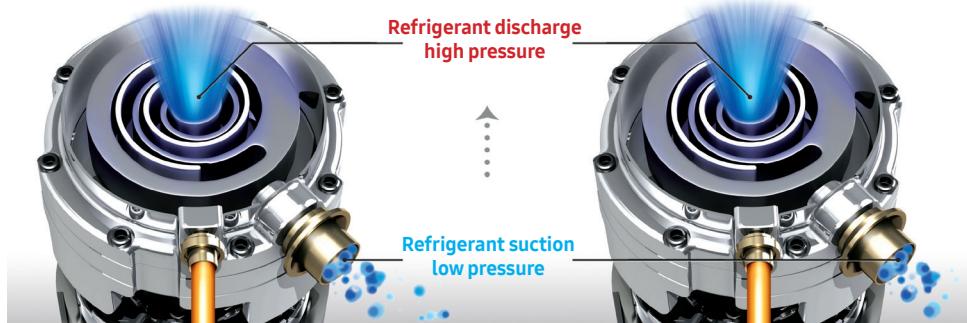
# ● DVM - Digital Variable Multi





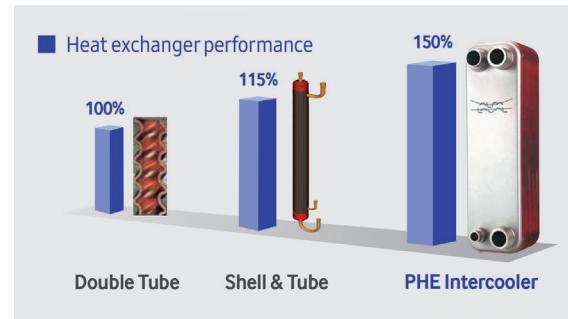
## FLASH INJECTION TECHNOLOGY

The gas injection in each compressor increases the heating/cooling efficiency and the machine performance up to 20% more at low temperatures. This technology has been optimized thanks to the injection of a two-phase refrigerant (liquid + gas) in the compressor. Flash Injection enables to extend the operating ranges up to external -25°C.



## PLATE HEAT EXCHANGER (PHE)

The Plate heat exchanger in the outdoor unit increases the exchange efficiency by 30% compared to the Shell&Tube models and by 50% compared to the two-pipe models.



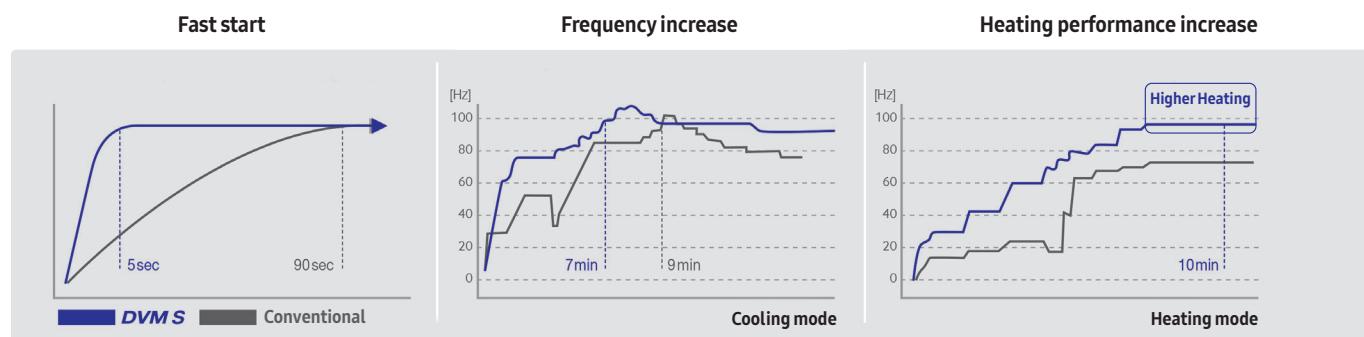
## THIRD-GENERATION COMPRESSORS

Each DVM S outdoor unit includes one or two Inverter compressors ensuring a high efficiency mainly in case of partial loads.

	Case 1	Case 2	Case 3
DVM S (Inverter + Inverter)	INV. ON	INV. OFF	INV. ON
Conventional (Inverter + Fixed)	INV. ON	FIXED OFF	INV. ON

## QUICK TEMPERATURE ADJUSTMENT

Thanks to the accurate capacity check, the double Smart Inverter immediately reacts to the heat load variations in the room with a quick temperature adjustment and a consumption reduction.

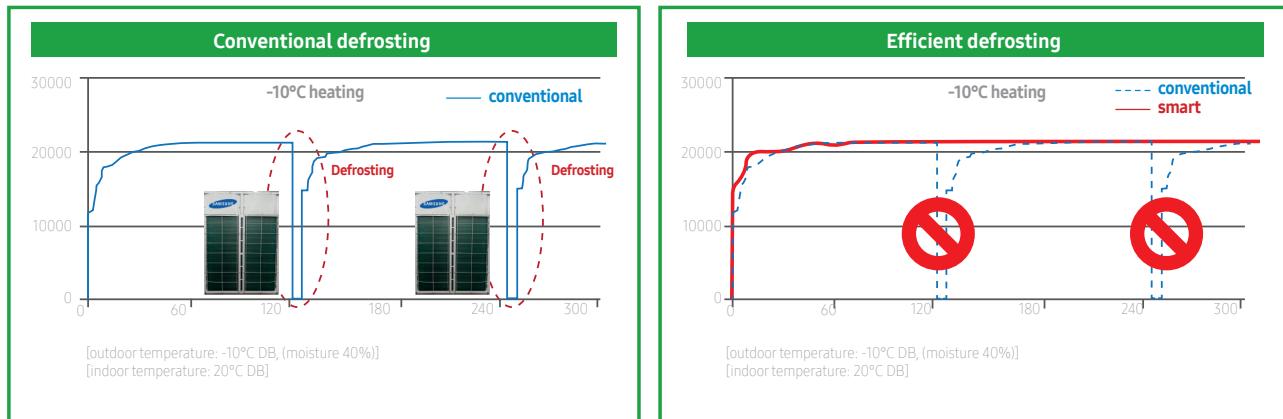


Tests carried out in the Samsung labs



## EFFICIENT DEFROSTING

DVM S outdoor units are equipped with a new system that detects the actual ice formation on the battery. This system considers not only the conventional parameters but it enables to prevent superfluous defrosting through a proper algorithm.

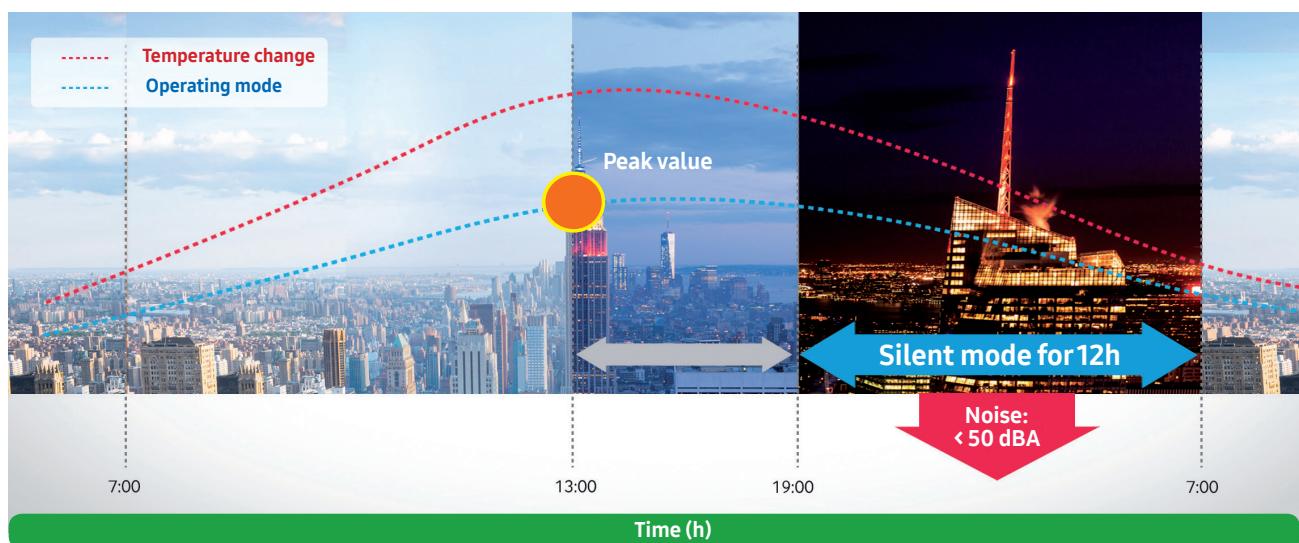


Compared to the conventional systems, DVM S system remains in heating mode for longer periods and avoids continuous cycle inversions. This enables to save energy and to keep the room comfort unchanged.



## SILENT MODE DURING THE NIGHT

It is possible to set the Silent mode that starts 6 hours after the detection of the highest daily outdoor temperature and reduces the noise level of the unit up to 15 dB(A) (it is possible to set the noise level to three levels). The Silent function can also be manually activated.



## OUTDOOR UNIT LINE-UP

### DVM S HEAT PUMP

MODEL	CAPACITY	SINGLE UNIT												
		8	10	12	14	16	18	20	22	24	26	28	30	
	AM080JXVAGH/EU	8 HP	1											
	AM100JXVAGH/EU	10 HP		1										
	AM120JXVAGH/EU	12 HP			1									
	AM140KXVAGH/EU	14 HP				1								
	AM160KXVAGH/EU	16 HP					1							
	AM180KXVAGH/EU	18 HP						1						
	AM200KXVAGH/EU	20 HP							1					
	AM220KXVAGH/EU	22 HP								1				
	AM240KXVAGH/EU	24 HP									1			
	AM260KXVAGH/EU	26 HP										1		
	AM280KXVAGH/EU	28 HP											1	
	AM300KXVAGH/EU	30 HP												1

### DVM S HIGH EFFICIENCY HEAT PUMP (COMPACT COMBINATIONS\*)

MODEL	CAPACITY	SINGLE UNIT												
		8	10	12	14	16	18	20	22	24	26	28	30	
	AM080JXVGH/EU	8 HP	1											
	AM100JXVGH/EU	10 HP		1										
	AM120JXVGH/EU	12 HP			1									
	AM140KXVGHH/EU	14 HP				1								
	AM160KXVGHH/EU	16 HP					1							
	AM180KXVGHH/EU	18 HP						1						
	AM200KXVGHH/EU	20 HP							1					
	AM220KXVGHH/EU	22 HP								1				
	AM240KXVGHH/EU	24 HP									1			
	AM260KXVGHH/EU	26 HP										1		
	AM280KXVGHH/EU	28 HP											1	
	AM300KXVAGH/EU	30 HP												1



**Eurovent Certification** on models:  
 DVM S MINI models 4-5-6-8-10-12-14 HP  
 DVM S HP/HR models 8-10-12-14 HP  
 DVM S WATER HP/HR models 8-10-12 HP

# DVM - Digital Variable Multi ●

	COMBINATIONS																													
	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
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	COMBINATIONS																																
	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90			
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## OUTDOOR UNIT LINE-UP

### DVM S HIGH EFFICIENCY HEAT PUMP (PREMIUM COMBINATIONS\*)

MODEL	CAPACITY	SINGLE UNIT														20	22	24	26	28	30	32	34	36		
		8	10	12	14	16	18	20	22	24	26	28	30	32												
	AM080JXVHGH/EU	8 HP														1	1				2					
	AM100JXVHGH/EU	10 HP									1															
	AM120JXVHGH/EU	12 HP								1	2						1									
	AM140JXVHGH/EU	14 HP																		1						
	AM160KXVGHH/EU	16 HP																								
	AM180KXVGHH/EU	18 HP															1			1	1	1	1	2		
	AM200KXVGHH/EU	20 HP																1								
	AM220KXVGHH/EU	22 HP																								
	AM240KXVGHH/EU	24 HP																								
	AM260KXVGHH/EU	26 HP																								

### DVM S HEAT RECOVERY

MODEL	CAPACITY	SINGLE UNIT														24	26	28	30	32	34	36			
		8	10	12	14	16	18	20	22	24	26	28	30	32											
	AM080JXVHGR/EU	8 HP	1																						
	AM100JXVHGR/EU	10 HP		1																					
	AM120JXVGR/EU	12 HP			1											2	1	1	1	1	1				
	AM140JXVHGR/EU	14 HP				1										1							1		
	AM160JXVHGR/EU	16 HP					1											1							
	AM180JXVHGR/EU	18 HP						1											1						
	AM200JXVHGR/EU	20 HP							1											1					
	AM220JXVHGR/EU	22 HP								1											1	1			

\* Premium DVM S combinations focus on efficiency compared to the compact combinations.



**Eurovent Certification** on models:  
 DVM S MINI models 4-5-6-8-10-12-14 HP  
 DVM S HP/HR models 8-10-12-14 HP  
 DVM S WATER HP/HR models 8-10-12 HP

## DVM - Digital Variable Multi



		COMBINATIONS																														
		38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90				
		1	1	1	1	1	1		1	1		1		1	1			1														
										1							1															
		1	1					1										1														
		1		1		1	2			1							1						1	2	3		1	2	1	1	1	
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												1	1																		1	
										1	1	1						1						1	1	1	1	1	1	2		

		COMBINATIONS																											
		38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80						
							2	1	1	1	1	1								2	1	1	1	1	1	1	1		
								1									1						1					1	
		1							1								1						1						
			2	1						1													1						
												1						2	1								1		
		1		1	2	1	1	1	1	1	1	1	2	2	2	1	2	3	2	2	2	2	2	2	3	3			

## OUTDOOR UNIT LINE-UP

### DVM S MINI

MODEL	CAPACITY
	AM040FXMDEH/EU <b>AM040KXMDEH/EU<sup>1</sup></b> AM040FXMDGH/EU <sup>2</sup> 4 HP
	AM050FXMDEH/EU <b>AM050KXMDEH/EU<sup>1</sup></b> AM050FXMDGH/EU <sup>2</sup> 5 HP
	AM060FXMDEH/EU AM060FXMDGH/EU <sup>2</sup> 6 HP
	AM080FXMDGH/EU <sup>2</sup> 8 HP
	AM0100KXMDGH/EU <sup>2</sup> 10 HP
	AM0120KXMDGH/EU <sup>2</sup> 12 HP
	AM0140KXMDGH/EU <sup>2</sup> 14 HP

### DVM S WATER - HEAT PUMP / HEAT RECOVERY<sup>3</sup>

MODEL	CAPACITY	SINGLE UNIT				
		8	10	12	20	
	AM080FXWANR/EU	8 HP	<b>1</b>			
	AM100FXWANR/EU	10 HP		<b>1</b>		
	AM120FXWANR/EU	12 HP			<b>1</b>	
	AM200FXWANR/EU	20 HP				<b>1</b>

<sup>1</sup>Single-fan outdoor unit.

<sup>2</sup>Three-phase model.

<sup>3</sup>The same unit can be used as heat pump or heat recovery system according to the connection executed.



**Eurovent Certification** on models:  
DVM S MINI models 4-5-6-8-10-12-14 HP  
DVM S HP/HR models 8-10-12-14 HP  
DVM S WATER HP/HR models 8-10-12 HP

## DVM - Digital Variable Multi ●

	COMBINATIONS																		
	16	18	22	24	26	28	30	32	34	36	38	40	42	44	48	50	52	60	
2	1				2	1				2	1				1				
	1	1			1		1		1		1		1			1			
		1	2					1	2				1	2			1		
					1	1	1			1	1	2	1	1	2	2	2	3	

## INDOOR UNIT LINE-UP

MODEL	1.7 kW	2.2 kW	2.8 kW	3.6 kW	4.5 kW	5.6 kW	
360° CASSETTE							
4-WAY CASSETTE							
4-WAY MINI CASSETTE							
1-WAY SLIM CASSETTE							
1-WAY SLIM S CASSETTE							
2-WAY CASSETTE							
LSP DUCT							
LSP DUCT WITH PUMP							
MSP DUCT							
MSP DUCT WITH PUMP							
HSP DUCT							
WALL-MOUNTED BORACAY <b>OUTDOOR EEV</b>							
WALL-MOUNTED BORACAY							
WALL-MOUNTED AR5000 <b>OUTDOOR EEV</b>							
WALL-MOUNTED AR5000							
CONSOLE							
FLOOR/CEILING <b>OUTDOOR EEV</b>							
CEILING							
CONCEALED FLOOR-STANDING							
CONCEALED FLOOR-STANDING <b>WITH PREVALENCE</b>							
FLOOR-STANDING							

\* For this power there are two models, please refer to the technical datasheet.

# DVM - Digital Variable Multi ●

	7.1 kW	9.0 kW	11.2 kW	12.8 kW	14.0 kW	18.0 kW	22.0 kW *	28.0 kW
6.0								
						16.0		

## INDOOR UNIT FOR AIR HANDLING AND HOT/CHILLED WATER PRODUCTION

### HEAT RECOVERY SYSTEM

MODEL	250 m <sup>3</sup> /h	350 m <sup>3</sup> /h	500 m <sup>3</sup> /h	800 m <sup>3</sup> /h	1000 m <sup>3</sup> /h
<b>ERV</b> (without battery)					
<b>ERV PLUS</b> (with direct expansion battery)					

### AIR HANDLING UNIT (AHU) KIT (WITH DIRECT EXPANSION BATTERY)

MODEL	2.5 HP	5.0 HP	7.5 HP	10 HP	10 HPx4
<b>AHU Kit</b>					

### DUCT – EXTERNAL (FRESH) AIR

MODEL	7.0 KW	14.0 KW	22.4 KW	28.0 KW
<b>DUCT</b>				

### HYDRO KIT (FOR HOT/CHILLED WATER PRODUCTION)

MODEL	5.0 HP	8.0 HP	10.0 HP	16.0 HP
<b>HYDRIC KIT</b> LOW TEMPERATURE				
<b>HYDRIC KIT</b> HIGH TEMPERATURE*				

\*single-phase and three-phase version



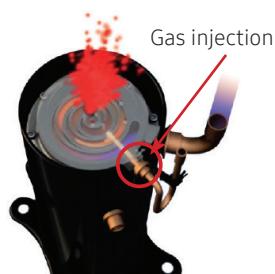
## AVERAGE SEASONAL MAXIMUM EFFICIENCY

The DVM S system enables to reach ESEER values up to 8.00.



## DUAL SMART INVERTER

High efficiency thanks to the simultaneous operation of the two inverter compressors.



## FLASH INJECTION TECHNOLOGY

High performance at low temperature and efficiency increase thanks to the hot gas injection.

SAMSUNG **DVM S**  
DIGITAL VARIABLE MULTI

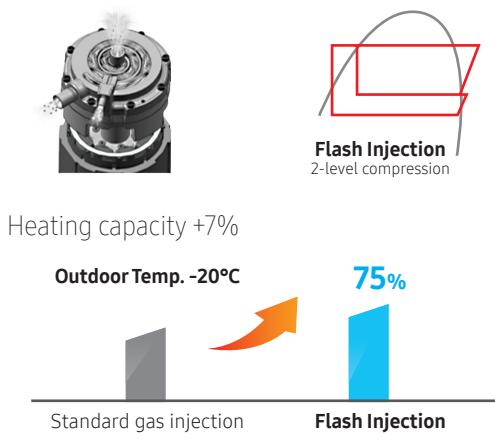
maximum efficiency  
for your business



# DVM CHILLER

Outdoor units are equipped with a Samsung dual Scroll Inverter compressor with Flash Injection (liquid + gas) technology that ensures high performances in case of partial loads (micro frequency check 0.01 Hz) and a high performance in case of outdoor low temperatures. The operation in the heating mode is guaranteed up to -25°C. It is possible to reach an ESEER energy efficiency up to 5.7 (circulation pump not included).

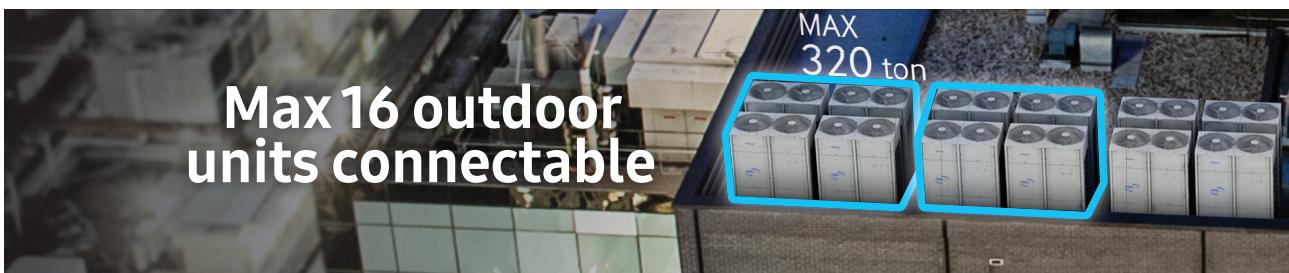
## FLASH INJECTION TECHNOLOGY





## DVM CHILLER MODULARITY

DVM Chiller outdoor units are available in three different sizes (with or without integrated pump): 42/56/65 kW. It is possible to connect up to maximum 16 outdoor units to reach a total capacity of more than 1,000 kW.



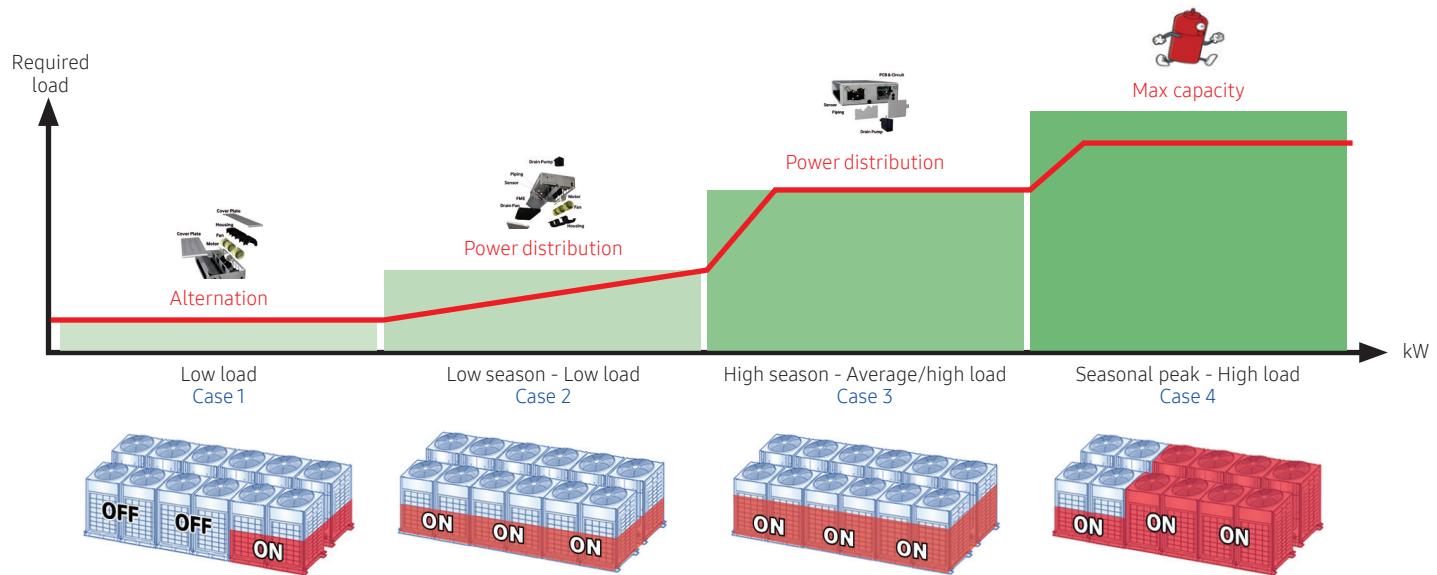
## OPERATION MODE

By connecting more units within a single system, the operation is adjusted according to the required load in order to always get the maximum efficiency:

**Case 1)** In case of low load the different outdoor units are switched on alternatively;

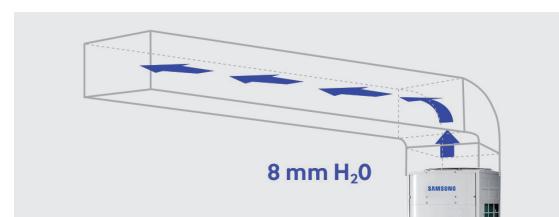
**Case 2/3)** In case of average load, the outdoor units are operated with partial load to optimize the efficiency;

**Case 4)** In case of maximum load, all compressors of all outdoor units are operated at the maximum power.



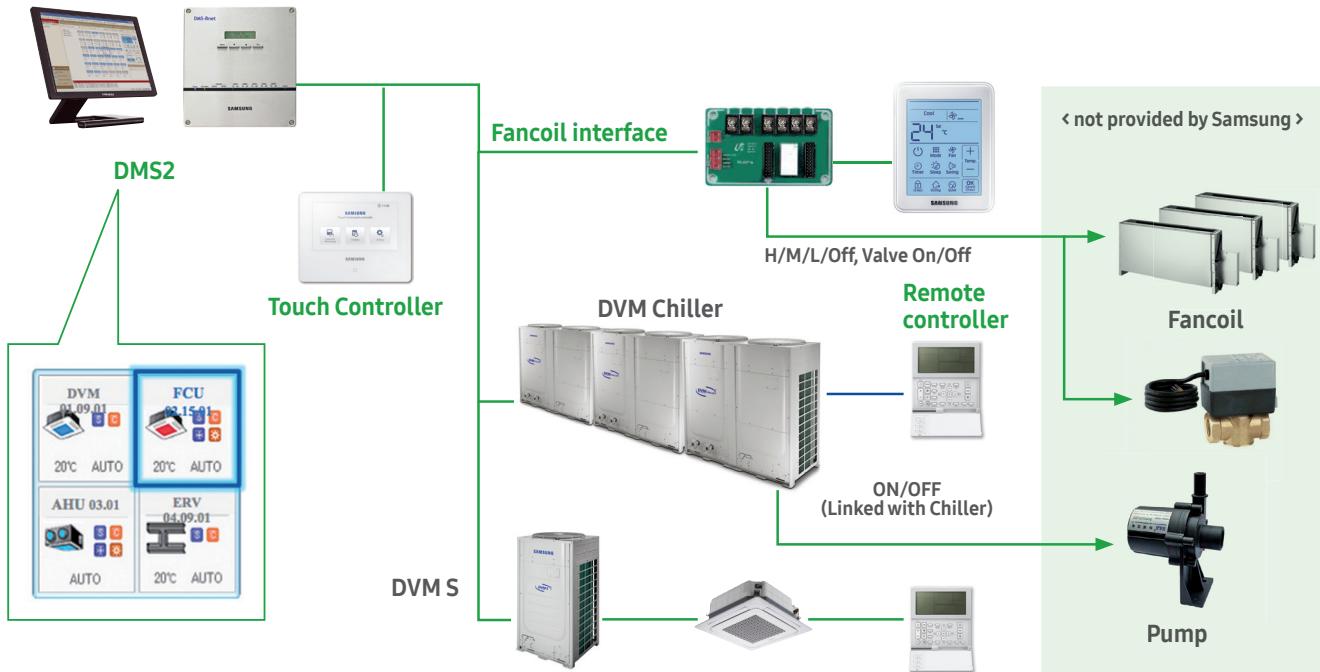
## DUCTING OF THE OUTDOOR UNIT

The fan of the outdoor unit has a static outdoor prevalence of 8mm H<sub>2</sub>O. Therefore, the equipment can be installed in a technical room with a duct for air expulsion and a grille to take the outdoor air.



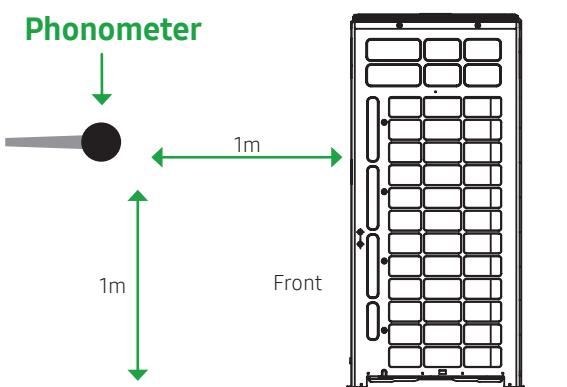
## LOCAL AND CENTRAL REMOTE CONTROLLER

It is possible to use the same local/central remote controller of the DVM S systems with variable refrigerant flow rate to control the fan-coils by means of proper interface cards. Therefore, the great advantage is that you have a single central remote controller that enables to monitor and check the whole Samsung range (residential monosplit and multisplit units, DVM S systems with variable refrigerant flow rate, DVM Chiller and EHS Air-Water heat pumps) without installing remote controller systems provided by third parties.



## SILENT MODE

It is possible to set the Silent mode that starts 6 hours after the detection of the maximum outdoor daily temperature; it reduces the noise level of the outdoor unit up to maximum 9 dB(A) (the noise reduction can be set to three different levels).



Model	Cooling	Silent 1 dBA	Silent 2 dBA	Silent 3 dBA
AG042KSVA(G)NH/EU	60	57	54	51
AG056KSVA(G)NH/EU	62	59	56	53
AG070KSVA(G)NH/EU	63	60	57	54



## COMBINATIONS TABLE

It is possible to connect up to maximum 16 outdoor units in order to reach a total capacity of more than 1,000 kW.

Total Capacity (kW)	Model			Suggested Ø water piping (mm)
	AG042	AG056	AG070	
42	1			40
56		1		40
65			1	50
84	2			50
112		2		65
126	3			65
130			2	80
168		3		80
168 (high efficiency)	4			80
195			3	80
210	5			80
224		4		100
252	6			100
260			4	100
280		5		100
294	7			100
325			5	100
336		6		100
336 (high efficiency)	8			100
378	9			100
390			6	100
392		7		100
420	10			100
448		8		125

Total Capacity (kW)	Model			Suggested Ø water piping (mm)
	AG042	AG056	AG070	
455			7	125
462		11		125
504			9	125
504 (high efficiency)		12		125
520			8	125
546		13		125
560			10	125
585			9	125
588		14		125
616			11	125
630		15		125
650			10	125
672			12	125
672 (high efficiency)		16		125
715			11	150
728			13	125
780			12	150
784			14	150
840			15	150
845			13	150
896			16	150
910			14	150
975			15	150
1040			16	150

Total capacity of modulated units =  $\Sigma$  capacity of each chiller unit

Total power input of modulated units =  $\Sigma$  power input of each chiller unit

# ● ERV - Energy Recovery Ventilation





## STATIC AIR RECOVERY

ERV air recovery ensures the **air changes** required in the room with a **high energy efficiency** in order to **control temperature and humidity**.

## VENTILATION: A NEED

The air quality in the rooms is increasingly attracting the attention of consultants and regulators. Living in a room without contaminants and with a **low CO<sub>2</sub> level** brings **benefits** to the **health** and to the **life quality** in those rooms.

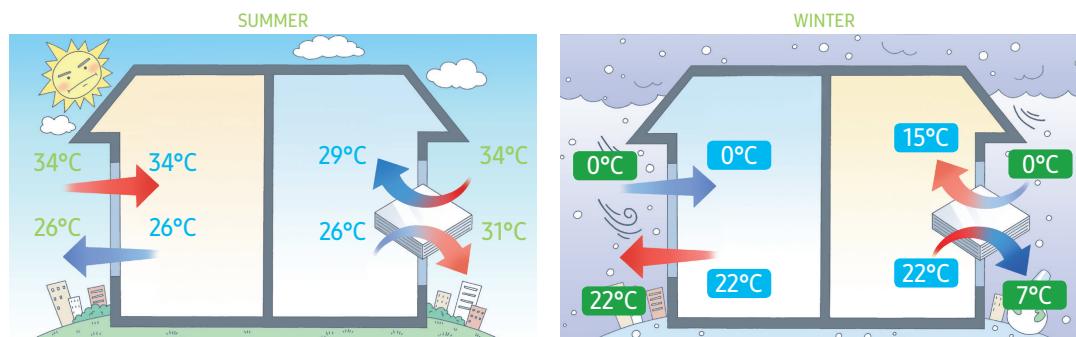
## AIR POLLUTANTS IN THE ROOM

Units are equipped with a built-in filter (corresponding to F6 class) that enables to reduce the pollutants in the room.



## AIR RECOVERY

During the summer/winter, when you open the window to change air, the room temperature significantly increases/decreases. By means of the ERV air recovery system, you get the same **air change effectiveness** by also keeping, however, the **right temperature** with a **significant consumption reduction**.



## SYSTEM TO PREVENT FROST FORMATION

The system is **able to manage itself according to the outdoor temperature** in order to prevent frost formation on the heat exchanger unit. Therefore, it is not necessary to install an auxiliary electrical heating element which results in lower operating and installation costs.

OUTDOOR TEMPERATURE	MODE
> 0°C	Normal
0°C > T <sub>OA</sub> > -15°C	Defrost Cycle

## CO<sub>2</sub> SENSOR (MOS-C1 OPTIONAL ACCESSORY)

ERV automatically keeps the right air quantity thanks to a **CO<sub>2</sub> sensor** (optional). By means of this sensor the airflow is automatically adjusted in order to **always keep a low CO<sub>2</sub> level**. The system can also be interfaced with a **humidity sensor** (provided by third parties) for an accurate check of the humidity present in a room.

# ERV - Energy Recovery Ventilation



INVERTER FAN



FLEXIBLE

CO<sub>2</sub> SENSOR

FREE COOLING

Code		Features						Performances			
Unit	EAN	Fan			Engine			Thermal exchange efficiency		Enthalpic exchange efficiency	
		Airflow	Useful static pressure	Engine	Typeology	No. of units	Cooling	Heating	%	Cooling	Heating
AN026JSKLN/EU	8806086769945	260/250/180	10.2/6.6/5.6	100/65/55	BLDC	-	70.0/70.0/74.0	74.0/74.0/75.0	50.0/50.0/55.0	70.0/70.0/76.0	
AN035JSKLN/EU	8806086769952	350/350/256	15.8/10.2/8.5	155/100/83	BLDC	-	70.0/70.0/74.0	78.0/78.0/79.0	50.0/50.0/55.0	70.0/70.0/76.0	
AN050JSKLN/EU	8806086769969	500/500/360	16.8/10.2/8.7	165/100/85	BLDC	-	70.0/70.0/74.0	74.0/74.0/75.0	50.0/50.0/55.0	70.0/70.0/76.0	
AN080JSKLN/EU	8806086769976	800/800/560	15.8/9.2/8.2	155/90/80	BLDC	-	70.0/70.0/74.0	77.0/77.0/78.0	50.0/50.0/55.0	70.0/70.0/76.0	
AN100JSKLN/EU	8806086769983	1000/1000/690	15.8/9.2/7.6	155/90/75	BLDC	-	70.0/70.0/74.0	74.0/74.0/75.0	50.0/50.0/55.0	70.0/70.0/76.0	

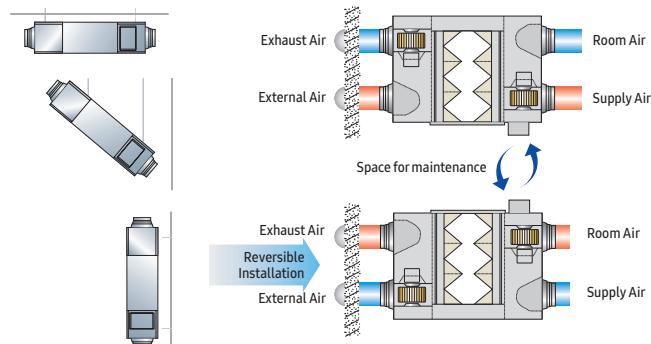
## ACCESSORIES

MWR-VH12N	8806086770002	Wired Remote Controller
MOS-C1	8808987652777	CO <sub>2</sub> Sensor (optional)

## FLEXIBLE INSTALLATION

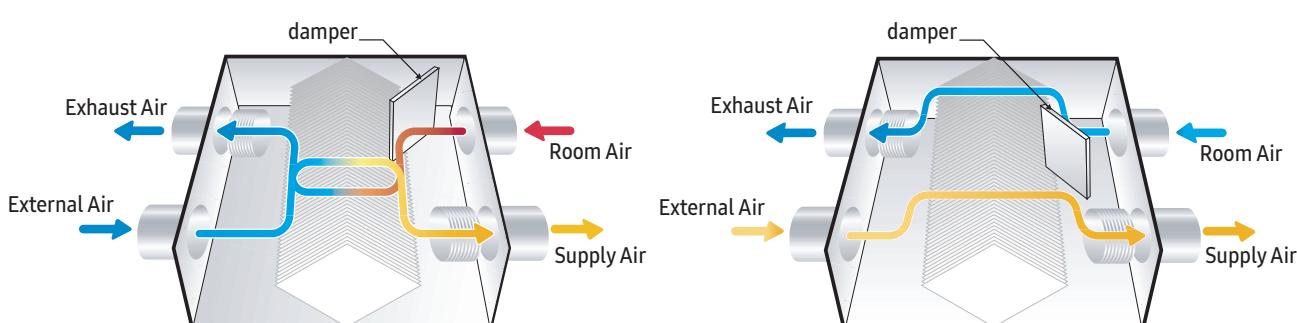
The ERV system can be installed horizontally, vertically and also diagonally.

During the installation phase this flexibility enables to **reduce installation times** and the number of inspection hatches.



## ENERGY-SAVING MODE (FREE COOLING)

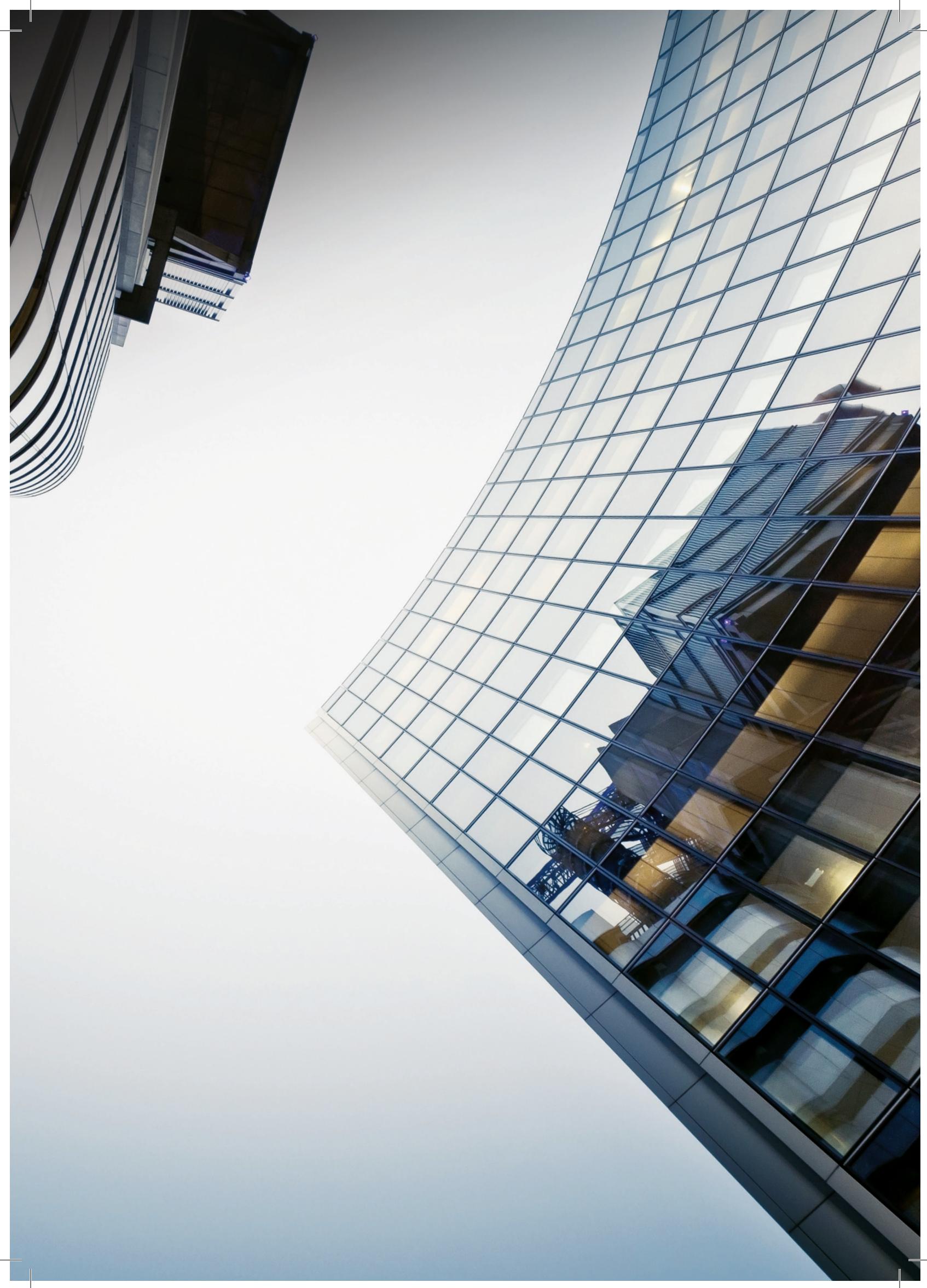
ERV automatically changes its operating mode according to the temperature difference between the outdoor air and the fresh air.



Test conditions  
Cooling: indoor air temperature 24°C (dry bulb) and 17°C (wet bulb); outdoor air temperature 35°C (dry bulb) and 24°C (wet bulb)  
Heating: indoor air temperature 22°C (dry bulb) and 13.9°C (wet bulb); outdoor air temperature 2°C (dry bulb) and 0.44°C (wet bulb)  
Due to our continuous product improvement policy we reserve the right to change the above-described features without any previous notice.

# Control Systems





# CONTROL SYSTEMS



## LOCAL REMOTE CONTROLLERS



### REMOTE CONTROLLER

#### MR-EH00

- Wireless remote controller.
- Selection of the operation mode.
- Temperature adjustment.
- Filter recovery.
- Fan speed adjustment.
- Flap movements.
- Display exclusion.

For the ductable models:

- cable kit (MRW-10A) + receiver (MRK-A00) for ductable FJM
- receiver/connector (MRK-A10N) for ductable CAC/DVM.



### PREMIUM WIRED REMOTE CONTROLLER

#### MWR-WE10N/MWR-WE11N

- Single remote controller or group remote controller up to 16 indoor units.
- Single remote controller (only indoor unit or indoor unit and ERV heat recovery).
- Weekly schedule settings.
- Integrated temperature sensor.
- Night mode, Silent mode, keyboard block.
- Setting of the temperature ranges.
- Individual flap adjustment for 4-way Mini/Cassette.

MWR-WE10N compatible with RAC and FJM.

MWR-WE11N compatible with CAC and DVM.



## STANDARD WIRED REMOTE CONTROLLER

### MWR-WH00

- Single remote controller or group remote controller up to 16 indoor units .
- Integrated temperature sensor .
- Night mode, Silent mode, keyboard block .
- Setting of the temperature ranges.

Compatible only with RAC and FJM.



Image referred to model  
MWR-SH10N

## SIMPLIFIED WIRED REMOTE CONTROLLER

### MWR-SH00/ MWR-SH10N

- Individual remote controller or group remote controller up to 16 indoor units .
- Setting of the operation mode.
- Adjustment of the fan speed.
- Temperature setting.

MWR-SH10N only compatible with CAC/DVM.

## CENTRAL REMOTE CONTROLLERS



## CENTRAL REMOTE CONTROLLER

### MCM-A202DN

- Management of up to 16 indoor units or 16 groups (maximum 256 units).
- On/off selection.
- Indoor unit alarm display.



## MINI TOUCH

### MCM-A300N

- Control and programming of up to 128 indoor units .
- 7" touch screen display
- Area-specific control.
- Setting of the temperature range/inhibition of the local remote controllers.
- External contacts : 2 inputs and 1 digital output.



## WI-FI KIT

### MIM-H03/MIM-H03N

- Control of up to 16 indoor units (for DVM systems).
- Control of the indoor units both in each room (through a smartphone as a remote controller) and remotely through the Samsung Smart Home application (that can be downloaded for free for Android and iOS).
- Weekly schedule setting of the indoor units
- ON/OFF control of a single unit or of groups of units
- Monitoring of the energy consumption of the outdoor units.

MIM-H03 compatible with FJM.

MIM-H03N compatible with CAC/DVM.

## SUPERVISION SYSTEMS



### DMS2 (DATA MANAGEMENT SERVER 2)

The DMS2 system integrates new functions and services to manage large systems.

#### MIM-D01AN

- Integrated web server for a free remote access from a PC.
- Multiple control (Zen Manager, Mini Touch, Web-client).
- It manages up to 256 indoor units included ERV and UTA recovery systems
- Inhibitions/limitations of the local controls and of the operation modes.
- Access level controlled through password/user ID.
- Equipment "historical" data storage (errors included).
- Weekly/monthly/yearly schedule settings.
- Energy consumption distribution (calculation).
- Back-up function in case of power failure (for 24 hours).
- Storage of the data on the hard disk or SD memory card .
- 10 digital inputs/10 digital outputs to interact with external devices.
- Control logic.

## ZEN MANAGER

The Zen Manager system enables to monitor and manage one or more units via the Internet and smartphone.

#### MST-R5A

- Control and monitoring via the Internet and smartphone.
- Control of more units in different installation sites.
- Consumption distribution analysis for each indoor unit.
- Analysis and monitoring of different units in different sites.
- Immediate notification of possible system errors.
- Monitoring of the operation cycle and error check.



## BUILDING MANAGEMENT SYSTEM



### INTERFACE FOR CONSUMPTION DISTRIBUTION

#### MIM-B16N (Pulse Input Module)

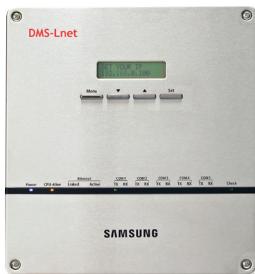
- Interface between digital counters (Wattmeters) and DMS2.
- It can be used to calculate consumption only.
- It can be used with compatible RS485 counters (please contact Samsung to choose the device).
- To be combined with DMS2 (MIM-D01AN).



## KONNEX AND MODBUS (not provided by Samsung)

#### SM-ACN-KNX/SM-ACN-MBS

- Interface card with KNX and MODBUS protocol from 4 to 64 indoor units.



## BACNET/LONWORKS INTERFACE

### MIM-B17BN/ MIM-B18BN

- Interface card with BACnet/Lonworks protocol.
- It supports up to 256 BACnet/128 Lonworks indoor units and 16 outdoor units.
- It can be used in parallel with the touchscreen.
- It includes the DMS2 functionalities.

## INTERFACES AND ACCESSORIES



### TEMPERATURE SENSOR

#### MRW-TA

- Outdoor temperature sensor to be placed in a room in order to avoid air stratification.
- Connection cable length: 12 m.



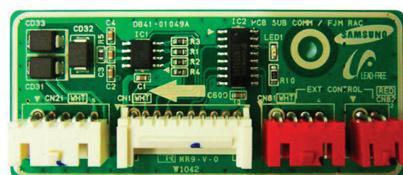
### RECEIVER FOR REMOTE CONTROLLER

#### MRK-A00

To be combined with the MRW-10A cable kit and the MR-EH00 remote controller (only for ductable units of the FJM series).

#### MRK-A10N

To be combined with the MR-EH00 remote controller (only for ductable units of the CAC and DVMS series).



### INTERFACE FOR WIRED REMOTE CONTROLLER WALL-MOUNTED UNIT RESIDENTIAL LINE

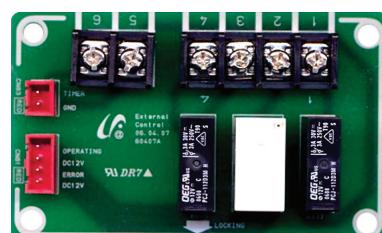
#### MIM-A00

- Interface module to connect wired remote controller.
- Dry contact to connect contact/window, door opening badge, on / off remote control via telephone switch (not provided by Samsung).

## INTERFACE FOR CENTRAL REMOTE CONTROLLERS

### MIM-N01

- Interface module to connect central remote controller  
ONLY FOR RAC/FJM OUTDOOR UNITS.
- Installation on the outdoor unit.



### INTERFACE FOR OUTDOOR CONTACTS

#### MIM-B14

- Dry contact.
- Operating output.
- Compressor error output.
- To be connected to the indoor unit.

## REMOTE CONTROLLERS, ACCESSORIES, COMPATIBILITY

PRODUCT	MODEL	IMAGE	MATCHABLE PRODUCTS	
Supervision Systems	DMS2	MIM-D01AN EAN 8806085537101		DVM, FJM, CAC, ERV PLUS, EHS SPLIT / MONO
	Zen Manager	MST-R5D EAN 8806085663695		DVM, FJM, CAC, ERV PLUS, EHS SPLIT / MONO
	PIM consumption distribution	MIM-B16N EAN 8806086121040		DVM, FJM, CAC, ERV PLUS, EHS SPLIT / MONO
Building Management System	LonWorks	MIM-B18BN EAN 8806085537033		DVM, FJM, CAC, ERV PLUS, EHS SPLIT / MONO
	BACnet Interface	MIM-B17BN EAN 8806085537040		DVM, FJM, CAC, ERV PLUS, EHS SPLIT / MONO
	Konnex/Modbus Interface	-		DVM, FJM, CAC, ERV, ERV PLUS, EHS SPLIT / MONO
Central Remote Controllers	Central Remote Controller	MCM-A202DN EAN 8806085537088		DVM, FJM, CAC, ERV PLUS, EHS SPLIT / MONO
	Mini Touch	MCM-A300N EAN 8806085766518		DVM, FJM, CAC, ERV PLUS, EHS SPLIT / MONO
	Wireless Remote Controller	MR-EH00 EAN 8806086374361		DVM, FJM, CAC (Except from wall-mounted units)
Local Remote Controllers	Wireless Remote Controller	AR-KH00E EAN 8806088719933		CAC (only 360° Cassette)
	Wi-Fi Kit	MIM-H03 EAN 8806088124117		FJM
	Wi-Fi Kit	MIM-H03N EAN 8806086830928		DVM, EHS SPLIT / MONO, CAC (only for 2017 line-up)
	Premium Wired Remote Controller	MWR-WE10 EAN 8806071267067		FJM
	Premium Wired Remote Controller	MWR-WE11N EAN 8806085537071		DVM, CAC (only for 2017 line-up)
	Standard Wired Remote Controller	MWR-WH00 EAN 8808993520411		FJM, EHS TDM
	Simplified Wired Remote Controller	MWR-SH00 EAN 8808987420086		FJM, EHS TDM
	Comando a filo semplificato	MWR-SH10N EAN 8806086849548		DVMS / CAC
	Wired Remote Controller for the Recovery System	MWR-VH12N EAN 8806086770002		ERV

PRODUCT	MODEL	IMAGE	MATCHABLE PRODUCTS	
Interfaces	Module for External Contacts	MIM-B14 EAN 8808979978373		DVM, RAC, FJM, CAC, EHS
	Interface for Central Remote Controller	MIM-N01 EAN 8806085937796		FJM, CAC
	Interface for Central Remote Controller for ERV Recovery Systems	MIM-N10 EAN 8806086769990		ERV
	Interface for Wired Remote Controller	MIM-A00 EAN 8806071252100		RAC, FJM (only for universal wall-mounted units)
Condensation Drain Pump	MDP-G075SP	EAN 8806086250658		DVM, CAC (Only low prevalence duct 5.2/71 kW and medium prevalence duct models)
	MDP-E075SEE3D	EAN 880608537200		DVM, CAC (Only low prevalence duct 2.6/3.5 kW)
	MDP-E075SEE3	EAN 8806071074887		FJM, EHS (Only low prevalence duct 2.6/3.5 kW)
	MDP-M075SGU3	EAN 8808987751432		FJM (Only medium prevalence duct)
	CO <sub>2</sub> Sensor	MOS-C1 EAN 8808987652777		ERV, ERV PLUS
	Cable Kit for Wireless Remote Controller	MRW-10A EAN 8803821482459		FJM, EHS TDM (Only duct models)
Accessories	Temperature probe	MRW-TA EAN 8808993622634		DVM, FJM, CAC
	Receiver with connector for wireless remote controller	MRK-A10N EAN 8806085545533		DVM, CAC (Only duct models)
	Receiver for wireless remote controller	MRK-A00 EAN 8803821482442		FJM, EHS TDM (Only duct models)

Ductable models of the multisplit line (FJM) are provided with a wired remote controller (already included in the indoor unit). The console, wall-mounted and floor-standing/ceiling models of the multisplit and commercial lines are provided with a wireless remote controller (already included in the indoor unit). The MWR-SH00, MWR-WH00 wired remote controllers do not support the Turbo, Energy saving, Virus Doctor, Automatic Cleaning (easy clean), Good Sleep modes. The MWR-SH00 wired remote controller does not adjust the flap movement.

## NOTE



## NOTE