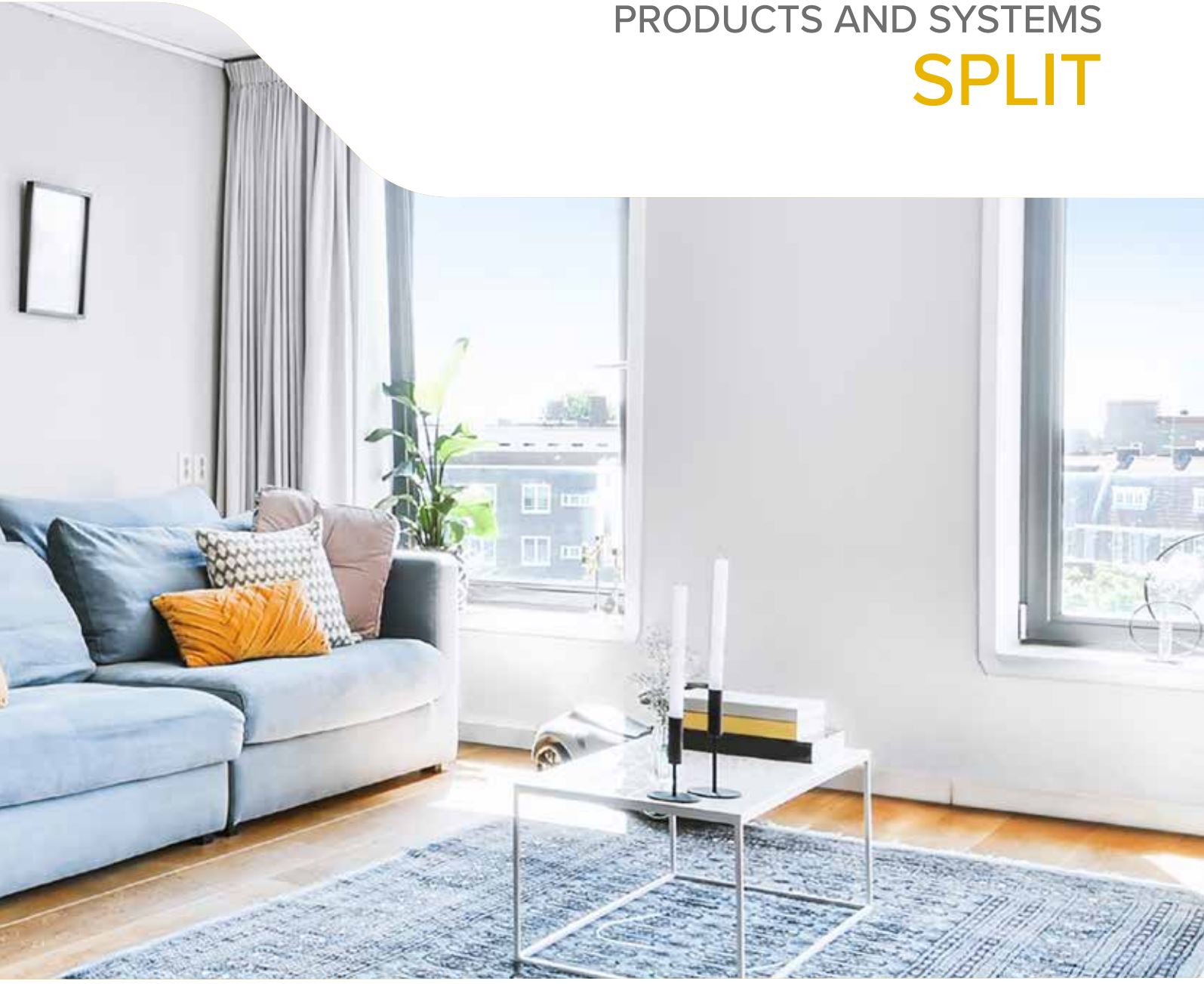
CLIVET®

GUIDE **2022**

PRODUCTS AND SYSTEMS

SPLIT



CLIVET | AIR CONDITIONING AND AIR QUALITY PARTNER

Inspiring Solutions since 1989

This document is dedicated to those looking for advanced and specialized solutions for heating and cooling.

Solutions able to increase the comfort level in the places where we live, work and spend our free time.

Complete year round systems, focused on substantial energy savings and less dependency on the fossil fuels used by traditional HVAC solutions, such as natural gas or oil.

INSPIRING SOLUTIONS

AIR CONDITIONING AND AIR QUALITY PARTNER

This Guide is printed every year and presents all Clivet's products with the aim of providing a basis for decisions and evaluations.

More detailed information, updated regularly, is available in the “SYSTEMS AND PRODUCTS” area at www.clivet.com and on Clivet Apps, where they can be downloaded free of charge.

To keep up to date with Clivet news, follow us on our social networks:

ALWAYS READY FOR THE FUTURE

INSPIRING SOLUTIONS

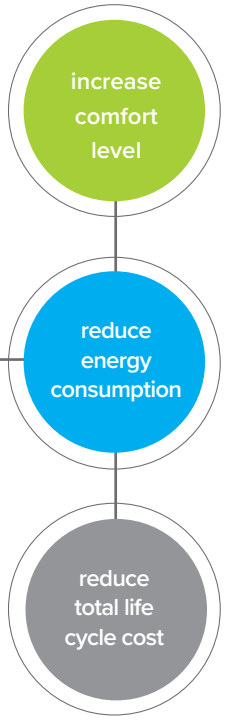
For over 30 years of working on the design, manufacturing and distribution of air conditioning and handling systems, combining high efficiency with minimal environmental impact, Clivet has developed solutions to ensure sustainable comfort and the well-being of people and the environment.
Designing and developing year-round air conditioning solutions with innovative technologies are part of Clivet's DNA, which means the company has always been ready for the future.

COMFORT FOR THE PLANET & PEOPLE

OUR VALUES

IN THE RESIDENTIAL, COMMERCIAL AND INDUSTRIAL SECTORS

Increasing comfort, saving energy and providing customers with the best value for the entire life cycle of the system: these are the values that inspire our systems for the residential, services and industrial sectors.



OUR NUMBERS

35
AGENCIES
IN ITALY

53.500 m²
OF PLANTS IN
FELTRE - BELLUNO
VERONA (UTA PRODUCTION)

100
COUNTRIES WE
EXPORT TO

707
EMPLOYEES
IN ITALY
AND ABROAD

260
WHOLESALERS
WITH CONTRACT

7 BRANCHES:
GREAT BRITAIN,
GERMANY, INDIA,
RUSSIA, UAE,
CHINA, BALKANS

160
SERVICE CENTRES

2015
CLIVET LIVE IS BORN

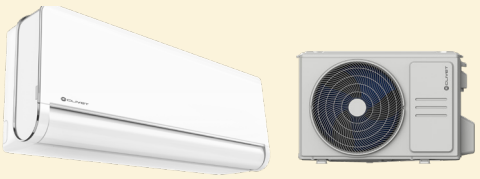
2016
STRATEGIC ALLIANCE
WITH MIDEA GROUP

2021
MIDEA GROUP #288 FORTUNE GLOBAL 500
44.100 $M
OF TURNOVER

New additions to the 2022 range

New Single/Multi Split Schiara 2

New high efficiency design model in class A+++/A++, sizes 27M and 35M, equipped with 180° rotating louvers and purification filter.



BOX 2 950x950 Unit upgrade

- ✓ New aesthetic design panel
- ✓ Reduction of the diameter of the condensate drain connection to 25 mm (previously 32 mm)
- ✓ The pump is now outside the unit for easy maintenance
- ✓ The pump is now 1,000 mmH_2O (previously 750 mmH_2O)
- ✓ New packaging optimised to withstand falls from greater heights
- ✓ Air inlets 23% larger for quieter operation

Humidity management function on Stelvio units

The unit is now equipped with a humidity probe that allows it to manage the new humidity control function. You can set a relative humidity in intervals of ±5%, in a range of 35 ÷ 85%: if the set is lower than the value detected by the probe, the unit will start dehumidifying.
The function is also available from the App.

New Hydronic module for Multi Split systems

New indoor unit for the production of DHW up to 60°C, to create in a single solution a system for air conditioning, water heating and DHW production. All units can be managed from the same App.

Uncased Wi-Fi kit for BOX 2 950x950 units

New optional Wi-Fi kit with uncased installation inside the unit panel.

New sizes and combinations for the Light Commercial range

New sizes 88M and 120M for the Duct 2 and BOX 2 950x950

Several new combinations available for TWIN configurations:

- 7 kW system with two Duct 2 35M
- 10.5 kW system with two Duct 2 53M
- 10.5 kW system with two C&F 2 53M

New functions for the Light Commercial range

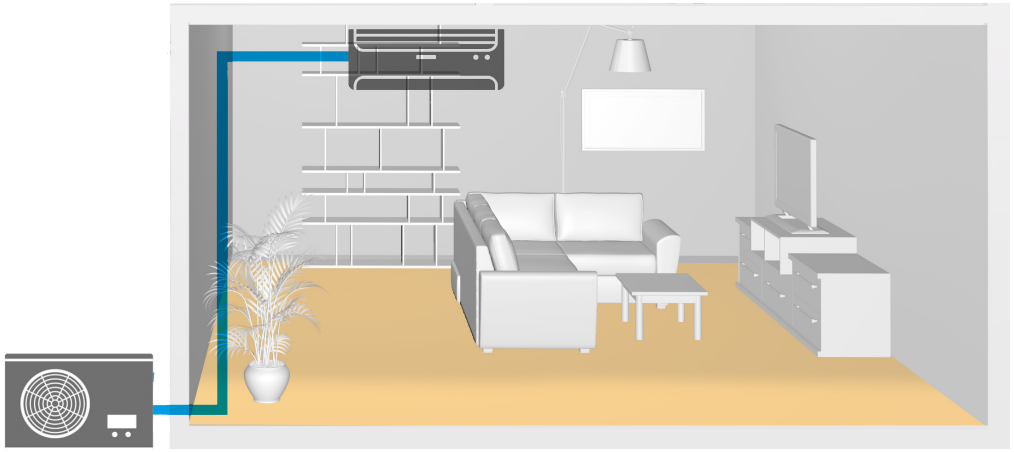
The indoor units of the Light Commercial range have been enriched with the new functions ECO/ Gear, i-Clean, Super-silence, fan with continuous speed adjustment and temperature that can be set with 0.5°C precision.

Choose the right system

SPLIT systems are synonymous of comfort, performance and elegance. In order to make the best use of them, it is important to select the capacity of the air conditioner according to the room in which it will be placed.
An oversized system does not guarantee a uniform temperature or a good dehumidification and operates inefficiently by alternating continuous start/stop, wearing out quickly.
An undersized system cannot meet the comfort requirements, has a bad performance and always works at 100%.

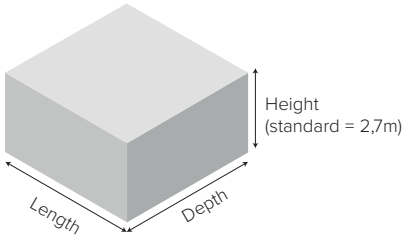
An indicative sizing of the system can be done in this way:

Single Split / Light Commercial



Required capacity [W] = Room volume [m^3] x 40

NOTE:
choose the size of the system with the maximum capacity greater than the required capacity.

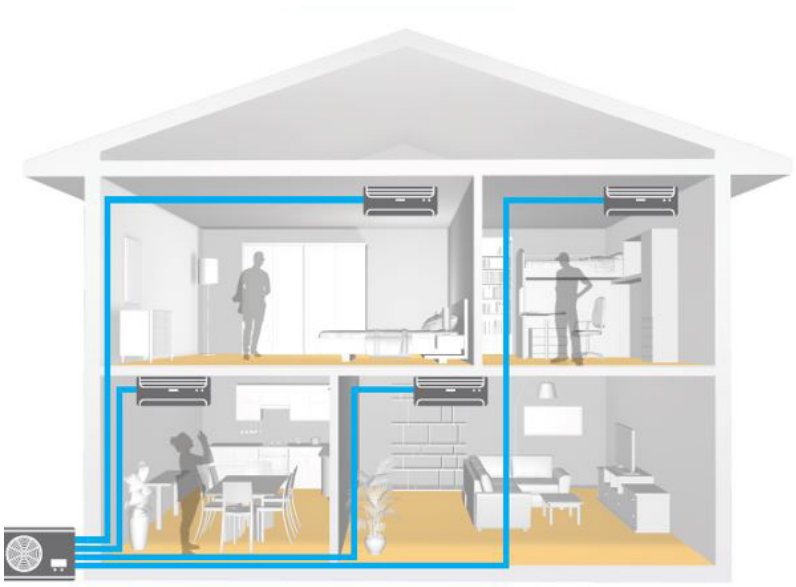


Room volume = length x depth x height

Typical rooms (example with Cristallo)::

Room	Surface [m^2]	Volume [m^2]	Required C [W]	Size
Bedroom	25	67,5	**2,70**	27M
Dining room	35	94,5	3,78	35M
Living room	50	135	5,40	53M

Model				Power input	Capacity and Efficiency						Energy Class
					Cooling			Heating			
Set S.IM1+MM1-Y	Unit		Configuration code		kW	Btu/h	SEER	kW	Btu/h	SCOP	Cooling/ Heating
27M	IDU	IM1-XY 27M	AAP3Q100-0001	230/1/50	2,6 (1,0~3,2)	9.000 (3.500~10.900)	7,1	2,8 (0,9~3,7)	9.500 (3.000~12.500)	4,0	A++ A+
	ODU	MM1-Y 27M	AAMMQ100-0001	230/1/50							



- Choose how many rooms need air conditioning: number of outdoor unit connections
- For each room: Required power [W] = Room volume [m³] x 40
- Choose the size of the outdoor unit: sum of the required capacities of each air-conditioned room at the same time

Application examples:

- Rooms to be air-conditioned: 4 = outdoor unit with at least 4 connections
- Calculation of the required capacity for each room

Area	Room	Surface [m²]	Volume [m²]	Required C [W]	Size
Sleeping area	Bedroom	25	67,5	2,70	27M
Day area	Studio	20	54	**2,16**	20M
	Dining room	35	94,5	**3,78**	35M
	Living room	50	135	**5,40**	53M

tot
11,34 kW

Model		Connectable Indoor Units	Capacity				Energy Class1
			Cooling		Heating		
Outdoor unit	Configuration code		kW	Btu/h	kW	Btu/h	Cooling/Heating
MU1-Y 105M	AAMVP100-0001	QUADRI (1÷4)	10,5 (3,68÷13,65)	36.000 (12.500÷46.500)	11,1 (3,89÷13,32)	38.000 (13.000÷45.500)	A++ A

- Selection of outdoor unit:
  Required capacity = 2,160 + 3,780 + 5,400 (rooms of the day area to be air-conditioned at the same time) = 11,340 W.
  The best choice is the MU1-Y 105M unit.

Functions

ENERGY SAVING

1W Stand-by (Single Split IDU)

The consumption in stand-by mode of electrical equipment can total up to 10% of the energy bill and causes an increase in CO2 emissions. The wall-mounted indoor units boast the 1 W Stand-by technology, which reduces wastages down to –80%, well below the average for products on the market.

On average, the energy saved up in one year can power:

LAMP
14 days

WASHING MACHINE
4 days.

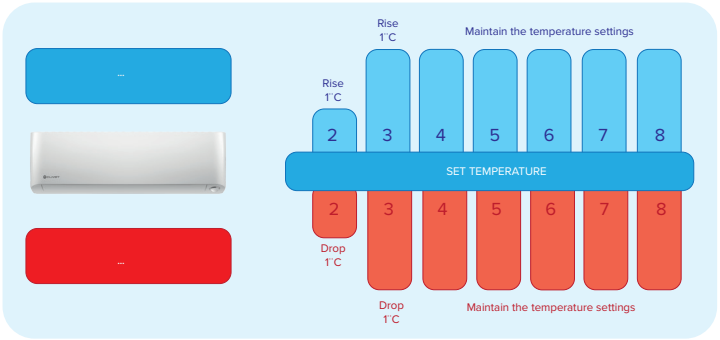
REFRIGERATOR
3 days.

Sleep

The Sleep function allows to save energy during the night:
COOLING: the set temperature increases by 1°C/h for 2 hours and the fan of the indoor unit is set at low speed

HEATING: the set temperature decreases by 1°C/h for 2 hours and the fan of the indoor unit is set at low speed
Note: the Sleep function terminates 7 hours after its activation and the unit switches off.

The Sleep function can be activated from a standard control:



ECO/Gear

ECO/Gear is an energy saving function that allows the user to set standard operation profiles, reducing the unit's capacity to standard profiles of 100% / 75% / 50% / ECO.
The ECO profile in particular sets an operating cycle of 8 hours with extremely low consumption, particularly suitable when out of the house or at night.

COMFORT

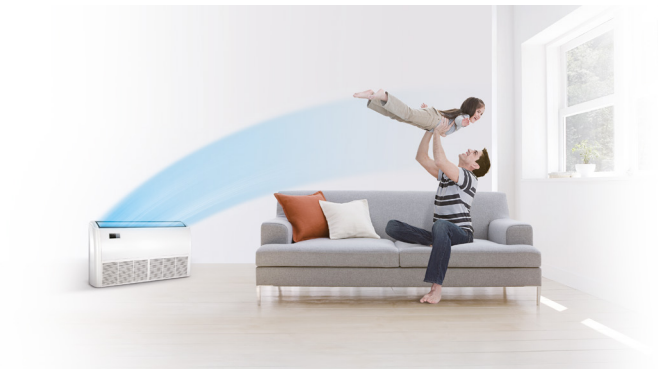
Follow Me

The remote control and the wired control have an integrated temperature sensor that measures the surrounding temperature. The Follow Me function manages the operation of the air conditioning unit by adjusting it with this set-point, monitoring the indoor temperature more accurately and guaranteeing improved comfort.
The Follow Me function can be selected from a standard control:

Turbo

Turbo function can boost cooling or heating speed in a short period, and makes the room cool down or heat up rapidly.

The Turbo function can be activated from a standard control:



Mute Operation

The Mute Operation function enables you to optimally enjoy your moments of relax without having to interrupt your beauty sleep, by deactivating the buzzers and dimming the luminous display.

The Mute Operation function can be activated from the standard control by pressing the LED button.

Functions

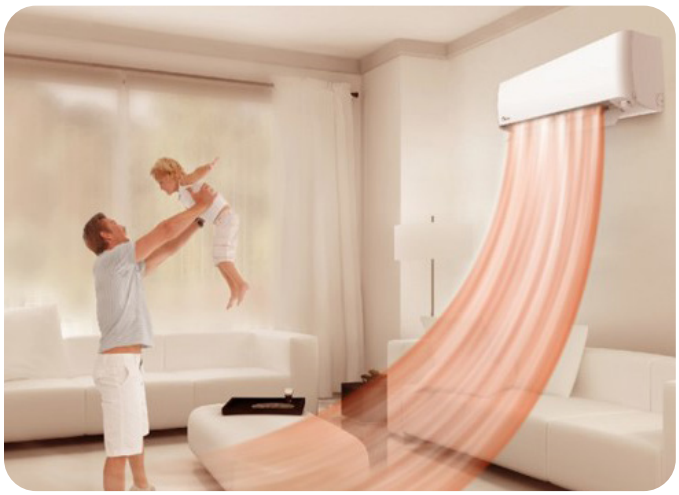
COMFORT

Stepless Indoor Fan Speed / 12 Grades Speed

The stepless indoor fan speed allows the user to set a speed from one to 6 standard speeds (1% / 20% / 40% / 60% / 80% / 100%) or, by holding down the button on the remote control, change the speed in steps of 1%.
The 12-speed fan allows the user to set one speed among the 3 standard ones (High / Medium / Low). Each of these, depending on how far you are from the set temperature, has 3 sub-speed settings that the unit adjusts itself.
In addition to the standard speeds described and AUTO mode, the unit also independently manages profiles dedicated to Turbo, Silent and Anti-Cold Air modes.

Anti-cold Air Function

When the unit is set to Heating, the logic does a temperature check of the indoor exchanger before activation. The indoor unit's fan is activated only when it detects that the exchanger is hot enough not to cause cold air to spread.



Multidirectional Airflow

The air conditioning unit can distribute the flow of air in multiple directions: to better direct the flow within the room, it electronically adjusts the direction of the slats both horizontally and vertically.

The standard control can be used to easily set the desired louver position.

RELIABILITY

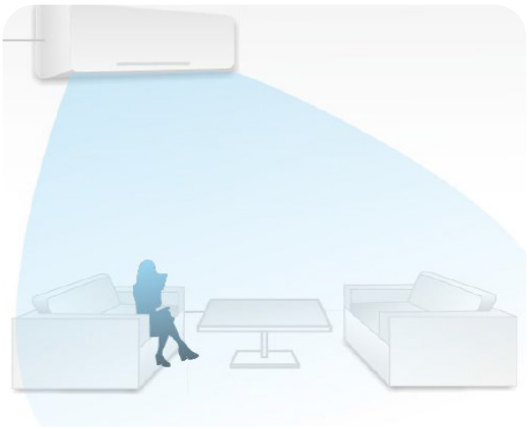
Refrigerant Leakage Detect

The units are equipped with an automatic system to protect the compressor that detects possible refrigerant leakages, and automatically switches off the system in case of anomalies.

Note: The indoor unit's display presents the corresponding error code, so as to facilitate and speed-up the maintenance intervention.

Emergency Using

The Emergency using allows the system to continue operating even when an internal sensor has failed: the unit shows the error code on the display, but continues in an emergency operating mode before stopping.



Low Ambient Cooling

The air conditioning units are also able to satisfy the needs of technical rooms, thanks to the possibility of operating in cooling mode even with low outdoor temperatures, in other words, up to –15°C and 50°C.

N.B.: the set-point temperatures that can be selected through the remote control range between 17°C to 30°C. If the applications require other values, the remote ON/OFF function can be used.

Functions

HEALTH

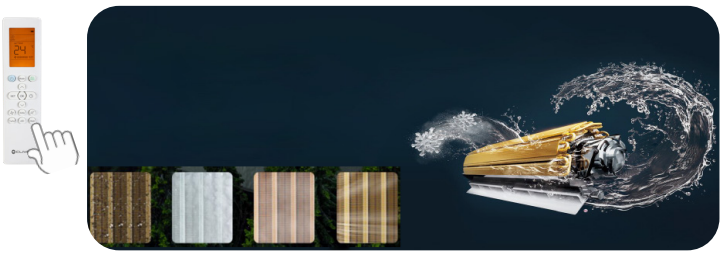
High Density Filter

The high-density filter allows for removing up to 80% of dust and pollen: this makes it far more effective compared to traditional dust filters.

I-Clean

Dries and cleans the exchanger of the indoor unit, preventing the formation of mould or the emission of unpleasant odours into the environment.
The cycle includes:

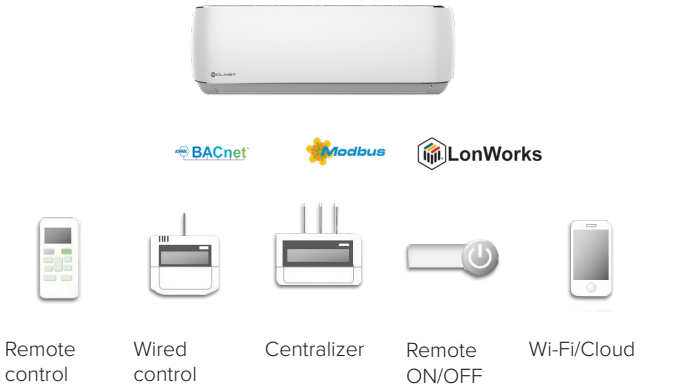
- Cooling until ice forms on the exchanger (17 minutes)
- Heating to defrost the exchanger (6 minutes)
- Ventilation to dry the exchanger (7 minutes)



CONVENIENCE

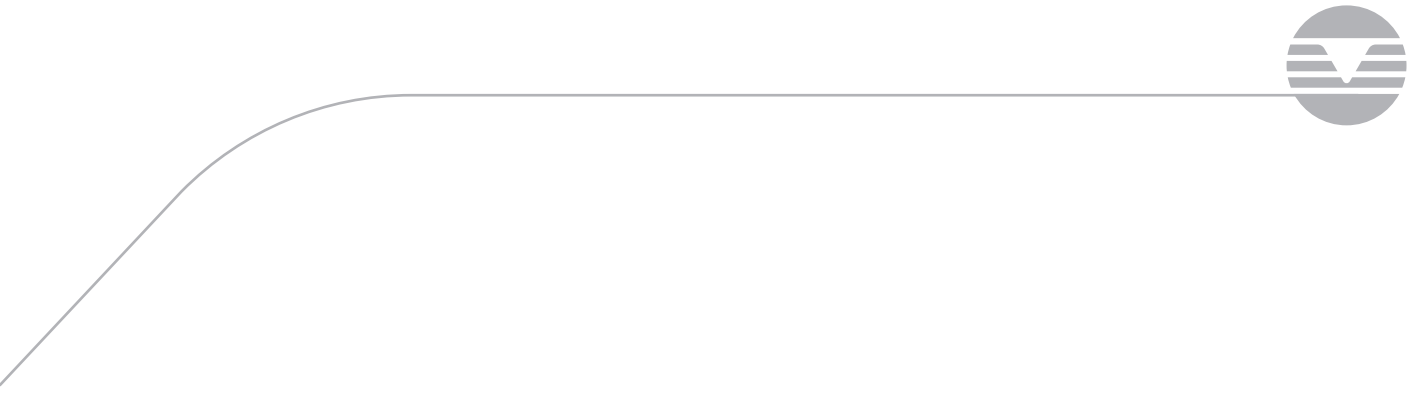
Control Systems

Besides the standard remote control the units can be managed with devices designed to satisfy any need:
- Wired control per single unit
- Wired centraliser, capable of managing up to 64 indoor units with a weekly scheduler
- Data converter, capable of managing up to 64 indoor units via Cloud
- Gateways, which allow for inserting the systems in BMS management software



Auto-restart

When the power fails, the unit keeps the last settings in memory and resumes operation in the same way when restored.



Certifications and safety

The innovation for which Clivet has always stood out, is supported by an industrial framework that has adopted the standards envisaged by ISO 9001, since 1996, guaranteeing a quality management system designed to control company processes so that they are targeted at improving the efficacy and efficiency of the organisation, as well as at client satisfaction.

Clivet products comply with applicable product directives, as required in all EU countries, in order to guarantee an appropriate level of safety.

In 2015 Clivet became a CasaClima partner, joining the network of companies that stand out for their high technical expertise and constant focus on sustainable management of homes.

With the aim of providing Customer satisfaction, Clivet S.p.A. has supplemented and certified its Quality, Environment and Safety Management Systems, in accordance with the ISO 9001, ISO 14001 and ISO 45001 International Standards.

Clivet is committed in promoting the green building principles and has become a member of GBC Italia. This organization collaborates with USGBC, the U.S. nonprofit organization that promotes worldwide the LEED® system of independent certification.

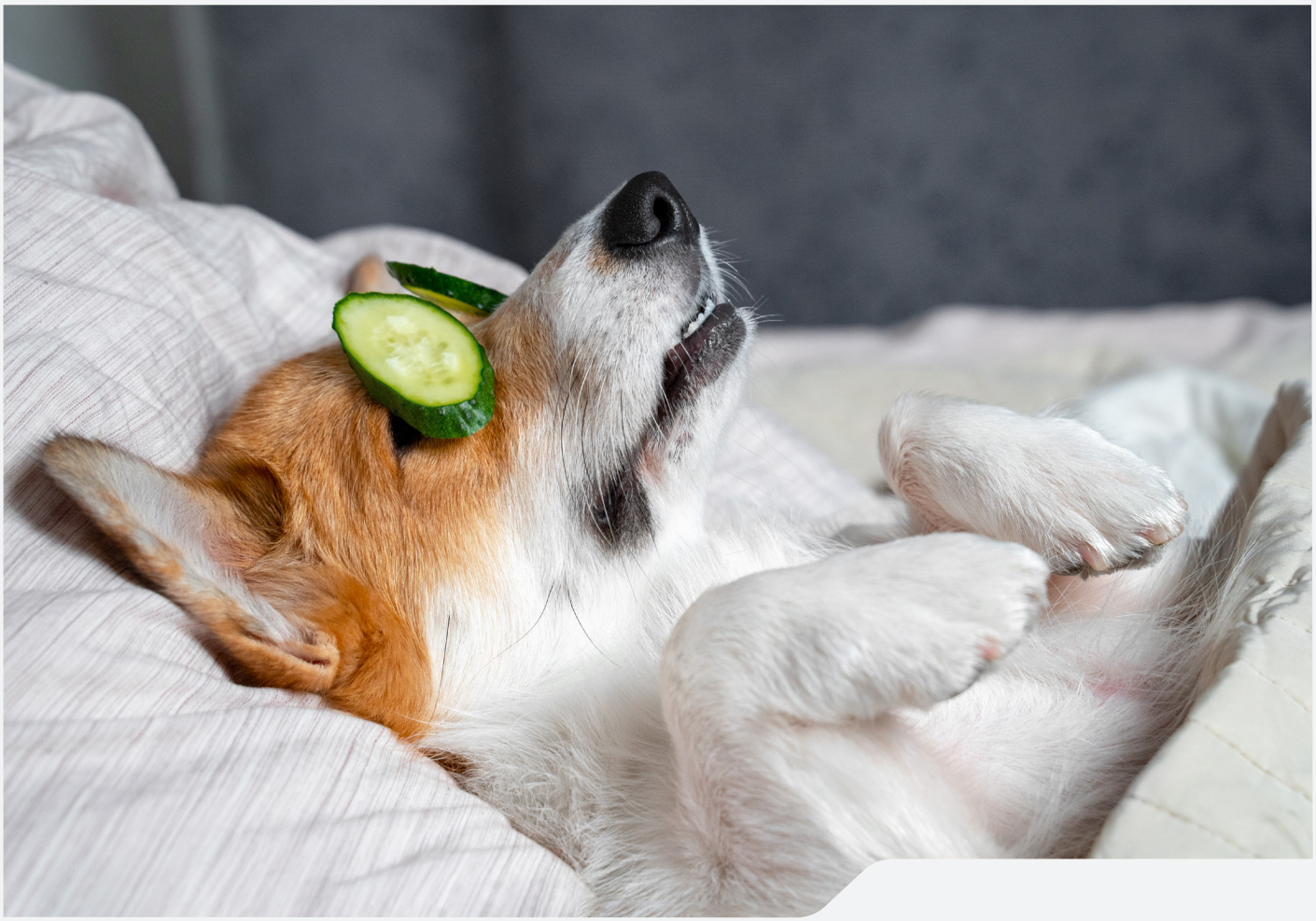
The wide range of Clivet products and complete systems comply with the requirements of the implementing measures for ErP (Energy related Products) Directives 2009/125/EC (Eco-design) and 2010/30/EU (Energy labelling), whose purpose is to reduce the energy consumption of products for heating, cooling, ventilation and hot water production, encouraging the user towards energy-efficient choices.
Directives 2009/125/EC and 2010/30/EU include the following Regulations: (EU) 206/2012, (EU) 626/2011; (EU) 811/2013, (EU) 812/2013, (EU) 813/2013, (EU) 814/2013; (EU) 1253/2014, (EU) 1254/2014; (EU) 2016/2281.

CLIVET UNIVERSITY

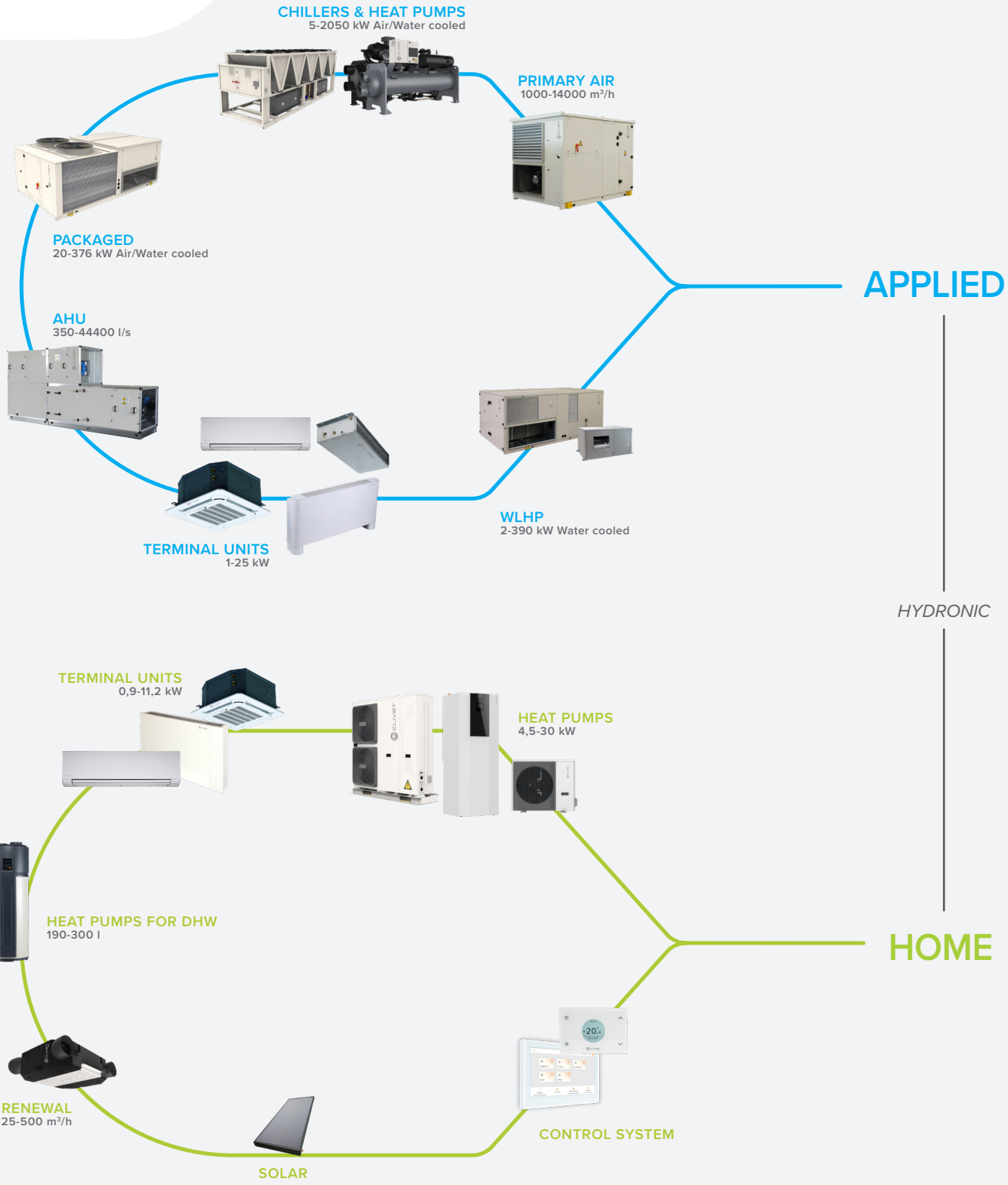
Clivet provides training classes to professionals willing to stand out in the field of innovative technologies using renewable energies. The training programme, structured in different levels providing detailed information, discusses annual-cycle systems based on heat pump technology.

THE COURSES

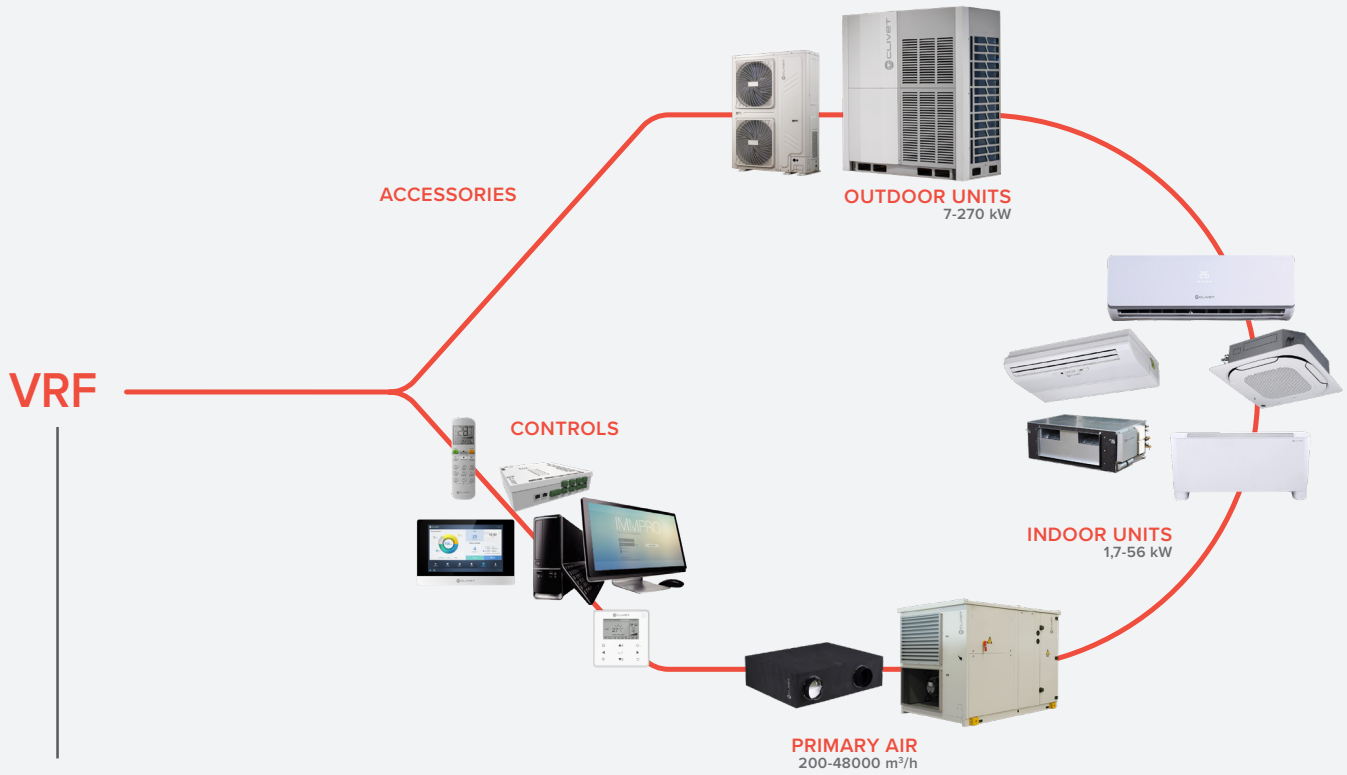
Clivet offers a complete training catalogue for architects, mechanical engineers, installers, sales and technical staff:
- Seminars for Distributors and Wholesalers about comfort at annual cycle and the SPLIT/Residential range.
- Basic courses for installers to present the main principles of installation, start-up, operation and maintenance.

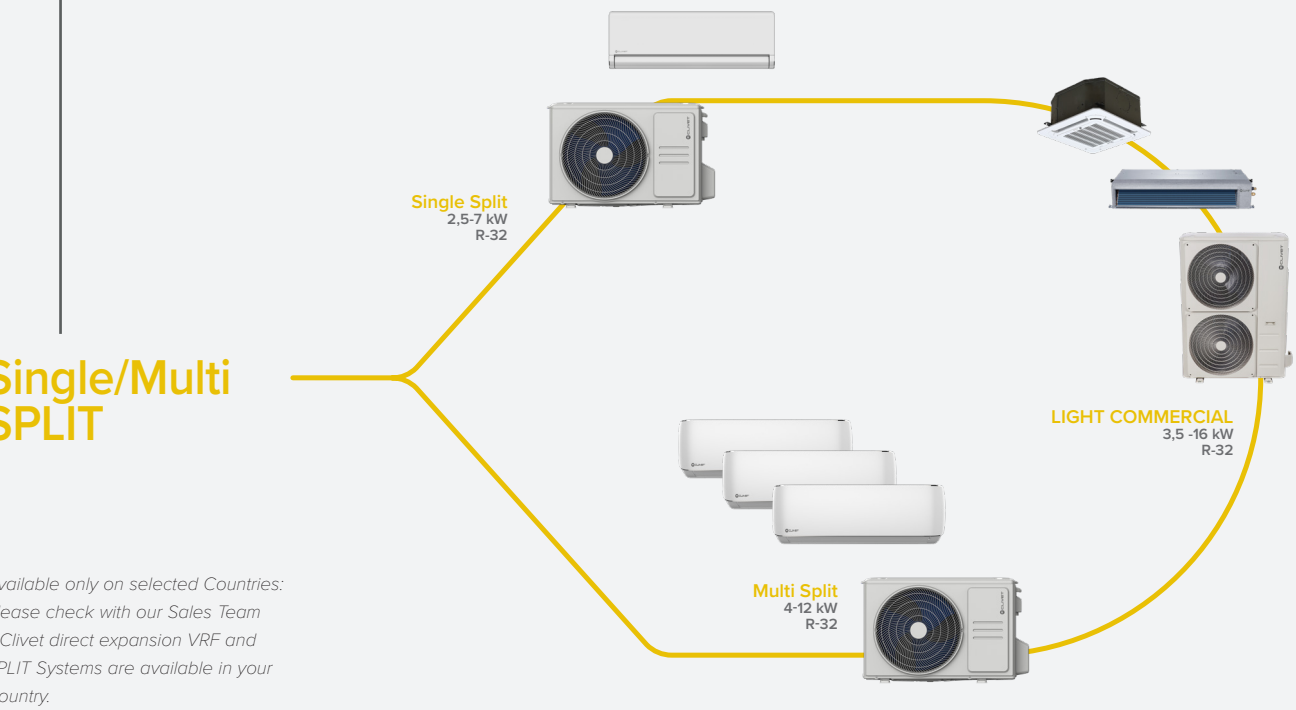


ALL TECHNOLOGIES FOR A COMPLETE PROPOSAL



Heating, cooling, air renewal and domestic hot water production





Available only on selected Countries: please check with our Sales Team if Clivet direct expansion VRF and SPLIT Systems are available in your Country.

Single/Multi SPLIT

Single Split

DC Inverter

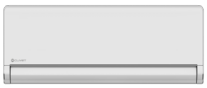
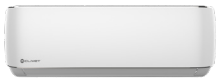
Name		Type	Serie	Class	Size Btu/h kW	27M 9000 2,6	35M 12000 3,5	53M 18000 5,3	70M 24000 7,0
STELVIO		Hiwall	IH2-Y MH2-Y	A+++ A+++		•	•		
NEW SCHIARA 2		Hiwall	IE2-Y ME2-Y	A+++ A++		•	•		
CRISTALLO		Hiwall	IM2-XY MM2-Y	A++ A+		•	•	•	•
ESSENTIAL 2		Hiwall	IL3-XY ML3-Y	A++ A+		•	•	•	•
NATIV		Hiwall	IZ2-XY MZ2-Y	A++ A+		•	•	•	•

All units are supplied with standard remote control

Multi Split

DC Inverter

INDOOR UNITS

Name		Type	Serie	Size Btu/h kW	20M 8000 2,0	27M 9000 2,6	35M 12000 3,5	53M 18000 5,3	70M 24000 7,0	80M 27000 8,0
NEW SCHIARA 2		Hiwall	IE2-Y			•	•			
CRISTALLO		Hiwall	IM2-XY		•	•	•	•	•	
ESSENTIAL 2		Hiwall	IL3-XY		•	•	•	•	•	
NATIV		Hiwall	IZ2-XY			•	•	•		
BOX-SM 2 650x650		Cassette 650x650	IB3-XY			•	•	•		
DUCT 2		Ductable	ID3-XY			•	•	•		
NEW CEILING & FLOOR 2		Ceiling/ Floor	IF3-XY					•		
HYDRO-M		Hydronic module	IHM1-Y							•

All units are supplied with standard remote control, Hydro-M has an on-board control

OUTDOOR UNITS

Name		Type	Series	Class	Connectable Indoor Units	Size. Btu/h kW	41M 14000 4,1	53M 18000 5,3	61M 21000 6,2	79M 27000 7,9	82M 28000 8,2	105M 36000 10,6	125M 42000 12,3
ODU-SM 2		Outdoor unit	MU2-Y	A++ A+	Dual (1÷2)		●	●					
				A++ A+	Triple (1÷3)				●	●			
				A++ A	Quadri (1÷4)						●	●	
				A++ A	Penta (1÷5)								●

Energy Classes for a 100% combination of the nominal load. For the complete technical data of the combinations, refer to the Combination Tables

LIGHT COMMERCIAL

DC Inverter

Name			Type	Series	Class	Size. Btu/h kW	35M 12000 3,5	53M 18000 5,3	70M 24000 7,0	88M 30000 8,8	105M 105T 36000 10,5	120M 42000 12	140T 48000 14,0	160T 55000 16,1
BOX 2 650x650			Cassette 650x650	IB3-XY MC3-Y	A++ A+		SINGLE	SINGLE						
BOX 2 950x950			Cassette 950x950	IA3-XY MC3-Y	A++ A+				SINGLE TWIN	NEW SINGLE TWIN	SINGLE	SINGLE	SINGLE	SINGLE
DUCT 2			Ductable	ID3-XY MC3-Y	A++ A+		NEW SINGLE TWIN	NEW SINGLE TWIN	SINGLE TWIN	NEW SINGLE TWIN	SINGLE	SINGLE	SINGLE	SINGLE
CEILING & FLOOR 2			Ceiling/ Floor	IF3-XY MC3-Y	A++ A+			NEW SINGLE TWIN	SINGLE TWIN		SINGLE		SINGLE	SINGLE
STANDING 2			Tower	IS3-XY MC3-Y	A++ A+								SINGLE	

STELVIO 27M÷35M

Wi-Fi READY

CONTROL SYSTEM SPLIT VRF

24 dB(A)

A+++

A+++

Single Split with hiwall indoor unit

WHY CHOOSE STELVIO?

Smart management as standard: via smartphone with the NetHome Plus App and voice control setup with Amazon Alexa and Google Assistant.

Extremely extended operating ranges (Heating -30°C ÷ +30°C; Cooling -15°C ÷ +50°C)

Humidity management: the unit dehumidifies according to the customer's humidity setting. *NEW*

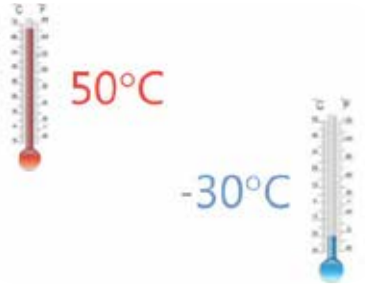
Comfort in any situation thanks to the "Intelligent Eye" sensor.

ULTRA-HIGH ENERGY EFFICIENCY

STELVIO is equipped with ultra-high energy efficiency technology, which makes it one of the most efficient air conditioners on the market.
Unsurpassed comfort, with low electricity consumption and related costs.

SCOP	SEER
5.3	9.2

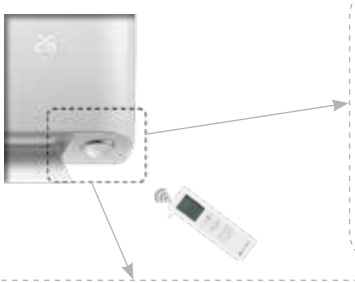
EXTREMELY EXTENDED OPERATING RANGE



HUMIDITY MANAGEMENT

The unit is now equipped with a humidity probe that allows it to manage the new humidity management function. You can set a relative humidity in intervals of ±5%, in a range of 35÷85%: if the set is lower than the value detected by the probe, the unit will start dehumidifying.
The function is also available from the App.

INTELLIGENT EYE SENSOR



Wind flow away from people or Wind flow follow people

When you are away for 30 minutes, automatically lowers the frequency

When you are away for 2 hours, automatically shuts down

When you returns to the room, automatically turns on

COMFORT

Follow Me · Turbo · Mute Operation · Silent · Stepless indoor Fan speed · Stepless outdoor Fan speed · Anti-cold air · Temperature Compensation · Multidirectional Airflow · High Air Outlet Temperature · Auto swing · Long-Distance Windblast · Stepless Control Compressor · Humidity management (NEW)

ENERGY SAVING

1W Standby · Sleep · Intelligent Eye Detector

RELIABILITY

Refrigerant Leakage Detect · Self-diagnosis Function · Emergency using · Autodefrosting · Low ambient coolingt · Chasis Heating Belt · Compressor Heating Belt · Opposite fan rotation (NEW)

HEALTH

High Dendity filter · Cold Catalyst filter · Self-Cleaning

CONVENIENCE

2-way Draining · Timer · 0,5° Temperature Control · Manual ON/OFF · Wi-Fi control · Louver Position Control · Auto Restart Function · Voice control compatible

OPTIONAL

Wired Control · Central Control Management · BMS Communication · Remote ON/OFF · Error Alarm Port · Weekley Timer (NEW)

Wi-Fi
NWMX
(standard)

WIRED REMOTE CONTROL
KJR-120X1-TFBG-E
(optional)
(necessary kit MBLCX)

REMOTE CONTROL
RG10P1-G2HS-BGEF
(standard)

IH2-Y

MH2-Y

technical data

Set				27M	35M
Cooling capacity	Standard (Min.~Max.)		Btu/h	9.000 (3.400~14.200)	12.000 (3.500~16.400)
	Standard (Min.~Max.)		kW	2,6 (1,0~4,2)	3,5 (1,0~4,8)
Heating capacity	Standard (Min.~Max.)		Btu/h	14.000 (2.600~23.900)	14.500 (2.600~24.600)
	Standard (Min.~Max.)		kW	4,1 (0,8~7,0)	4,2 (0,8~7,2)
Standard power input	Cooling (Min.~Max.)		W	483 (87~1.955)	748 (102~1.955)
	Heating (Min.~Max.)		W	834 (104~1.955)	924 (104~2.625)
Rated current input	Cooling (Min.~Max.)		A	2,1 (0,4~8,5)	3,25 (0,4~8,5)
	Heating (Min.~Max.)		A	3,6 (0,45~8,5)	4,01 (0,45~11,4)
Seasonal efficiency[1]	Cooling	Energy efficiency class	-	A+++	A+++
		Design load (Pdesign)	kW	3,0	3,5
		SEER	-	9,20	9,20
		Annual energy consumption	kWh/a	130	130
	Heating Average season	Energy efficiency class	-	A+++	A+++
		Design load (Pdesign)	kW	2,2	2,2
		SCOP	-	5,30	5,30
		Annual energy consumption	kWh/a	620	620
	Heating Warmer season	Energy efficiency class	-	A+++	A+++
		SCOP	-	6,00	6,00
Standard efficiency	EER		-	5,38	4,68
	COP		-	4,92	4,55

Indoor unit			IH2-Y	27M	35M
Configuration code				AAK9Q10001	AAK9Q20001
Dimensions	Unit	L x D x H	mm	895x248x298	895x248x298
	Packaging	L x D x H	mm	985x370x350	985x370x350
Weight	Unit/Packaging		kg	12,7/17,5	12,7/17,5
Air filter	Type		-	CCF	CCF
Airflow		Hi/Mid/Lo	m³/h	575/497/340	575/497/340
Dehumidification capacity			l/h	1,0	1,2
Sound power level		Hi	dB(A)	59	59
Sound pressure level		Hi/Mid/Lo	dB(A)	43/34/24	43/34/24
Control systems	Infrared remote control		-	RG10P1-G2HS-BGEF	
	Settable temperature		°C	17~30	17~30
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1

Outdoor unit			MH2-Y	27M	35M
Configuration code				AANHQ10001	AANHQ20001
Dimensions	Unit	L x D x H	mm	805x330x554	805x330x554
	Packaging	L x D x H	mm	915x370x615	915x370x615
Weight	Unit/Packaging		kg	32,3/34,8	32,3/34,8
Sound power level		Nominal	dB(A)	60	60
Sound pressure level		Nominal	dB(A)	55,5	55,5
Operating range	Cooling	Indoor T.	°C	16~32	16~32
		Outdoor T.	°CBS	-15~50	-15~50
	Heating	Indoor T.	°C	0~30	0~30
		Outdoor T.	°CBU	-30~30	-30~30
Refrigerante	Type/GWP		-	R-32 / 675	R-32 / 675
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1
Current - 50Hz	Maximum fuse range (MFA)		A	20	20

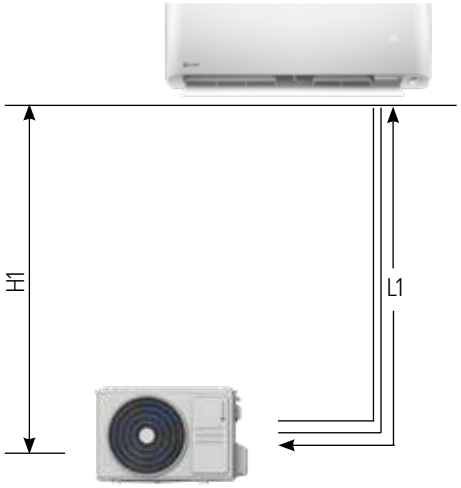
[1] SEER and SCOP data, relative energy ratings and annual energy consumption in conformity to the EN 14825 standard measurement.

CCF = Cold Catalyst
Fan speed: Hi=High; Mid=Medium; Lo=Low; Si=Silent

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

refrigerant piping and connections

Set			27M	35M
Max equivalent length	L1	m	25	25
Max difference in level ODU / IDU	H1	m	±10	±10
Refrigerant precharge		kg / m	0,90 / 5	0,90 / 5
		CO_2 tons	0,61	0,61
Additional refrigerant charge		g/m	12	12
External diameters	Liquid	mm / inch	Φ6,35 - 1/4"	Φ6,35 - 1/4"
	Gas	mm / inch	Φ9,52 - 3/8"	Φ9,52 - 3/8"



electrical connections

Set			27M	35M
ODU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1
		no. of cables / section	2 x 1,5 mm^2 + G	2 x 1,5 mm^2 + G
	Signal	no. of cables / section	2 x 1,5 mm^2	2 x 1,5 mm^2
IDU	Power supply	V/Hz/n°	from ODU	from ODU
		no. of cables / section	2 x 1,5mm^2 + G	2 x 1,5mm^2 + G
	Signal	no. of cables / section	2 x 1,5mm^2	2 x 1,5mm^2

accessories

Standard

RG10P1-G2HS-BGEF	Infrared remote control for STELVIO indoor units of 2022 range
NWMX	Wi-fi kit for indoor units

Optionals

MBLCX	Multifunction board that makes the indoor unit available for Remote ON / OFF, Alarm port and XYE Port (required for connection of Wired controller, Centralized wired controller, Data Converter, BMS Gateway) The ON-OFF/Alarm/XYE/Wi-Fi port functions can be used simultaneously
Control systems	(learn more at Control System page)

SCHIARA 2 27M÷35M

Single Split

NEW PRODUCT

Wi-Fi READY

CONTROL SYSTEM SPLIT VRF

21 dB(A)

A+++

A++

Single Split with hiwall indoor unit

WHY CHOOSE SCHIARA 2?

- ✓ Smart management as standard: via smartphone with the NetHome Plus App and voice control setup with Amazon Alexa and Google Assistant.
- ✓ Purification filter: active against odours, dust, VOCs, pollen, spores, bacteria
- ✓ Extremely wide air distribution thank to the 180° motorized louver rotation
- ✓ Single Split/Multi Split compatible

180° LOUVER

The horizontal louvers can rotate up to 180° for better air distribution and silent operation.

Note: A conventional air conditioner works on an amplitude of about 70°.

CASCADE

The function allows rapid cooling of the room by setting a standard operation profile:

- ✓ the louver can be set in two positions: to let the air flow downwards or frontally
- ✓ the louvers swing automatically
- ✓ the fan moves at AUTO speed

BREEZE AWAY

This function prevents the air flow from being directed directly at people, creating discomfort.
The deflector can be set in two positions: so that the air flows downwards, typically in Heating, or frontally, typically in Cooling.
The fan moves at minimum speed.

PURIFICATION FILTER

- ✓ High density filter: Removes larger dust and microbes, protects other filters. It is washable and reusable
- ✓ Cold catalyst filter: Oxidises various hazardous gases (such as VOCs) by decomposing them into inert substances such as H_2O or carbon dioxide. It also limits odours
- ✓ Activated carbon filter: Chemically absorbs microparticles and bacteria, cleaning the air and eliminating odours
- ✓ Silver ion filter: Continuously releases silver ions to eliminate up to 99% of airborne bacteria, while also limiting their growth and proliferation. Also active on viruses

COMFORT

Follow Me · Turbo · Stepless Indoor Fan Speed · 5-grades outdoor Fan speed · Anti-cold air Function · Temperature Compensation · Auto swing · Multi directional Airflow · 180° louver · High Air Outlet temperature · Breeze away · Cascade

RELIABILITY

Refrigerant Leakage Detect · Self-diagnosis Function · Emergency using · Auto defrosting · Low Ambient Cooling · Opposite fan rotation

CONVENIENCE

Manual ON/OFF · Wi-Fi Control · Single/Multi Compatible · Louver Position Memory · Auto-restart · 2-way Draining · Timer · 0,5°C Temperature Regulation · Compatible with voice control

ENERGY SAVING

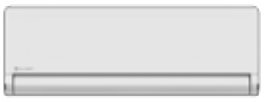
1W Standby · Sleep mode

HEALTH

High Density Filter · Purification Filter · i-clean

Wi-Fi NWMX *(standard)*

REMOTE CONTROL RG10X1-G2HS-BGEF *(standard)*



IE2-Y

ME2-Y

technical data

Set				27M	35M
Cooling capacity	Standard (Min.~Max.)		Btu/h	9.000 (4.200~11.300)	12.000 (4.500~14.700)
	Standard (Min.~Max.)		kW	2,6 (1,2~3,3)	3,5 (1,3~4,3)
Heating capacity	Standard (Min.~Max.)		Btu/h	10.000 (2.900-12.700)	13.000 (3.000~15.000)
	Standard (Min.~Max.)		kW	2,9 (0,8~3,7)	3,8 (0,9~4,4)
Standard power input	Cooling (Min.~Max.)		W	600 (100~1.260)	900 (130~1.650)
	Heating (Min.~Max.)		W	623 (110-1.320)	950 (120~1.500)
Rated current input	Cooling (Min.~Max.)		A	2,6 (0,4~5,5)	3,91 (0,6~7,2)
	Heating (Min.~Max.)		A	2,7 (0,4-5,7)	4,13 (0,5~6,5)
Seasonal efficiency[1]	Cooling	Energy efficiency class	-	A+++	A+++
		Design load (Pdesign)	kW	2,6	3,5
		SEER	-	8,80	8,50
		Annual energy consumption	kWh/a	103	146
	Heating Average season	Energy efficiency class	-	A++	A++
		Design load (Pdesign)	kW	2,5	2,5
		SCOP	-	4,60	4,60
		Annual energy consumption	kWh/a	776	776
	Heating Warmer season	Energy efficiency class	-	A+++	A+++
		SCOP	-	6,00	6,00
Standard efficiency	EER		-	4,33	3,91
	COP		-	4,65	4,01

Indoor unit			IE2-Y	27M	35M
Configuration code				AAHEQ10001	AAHEQ20001
Dimensions	Unit	L x D x H	mm	920x211x321	920x211x321
	Packaging	L x D x H	mm	1005x295x385	1005x295x385
Weight	Unit/Packaging		kg	11,3/14,2	11,3/14,2
Air filter	Type		-	PUF	PUF
Airflow		Hi/Mid/Lo	m³/h	700/515/425	700/515/425
Dehumidification capacity			l/h	1,0	1,2
Sound power level		Hi	dB(A)	53	53
Sound pressure level		Hi/Mid/Lo	dB(A)	40/32,5/21,5	40/32,5/21,5
Control systems	Infrared remote control		-	RG10X1-G2HS-BGEF	RG10X1-G2HS-BGEF
	Settable temperature		°C	17~30	17~30
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1

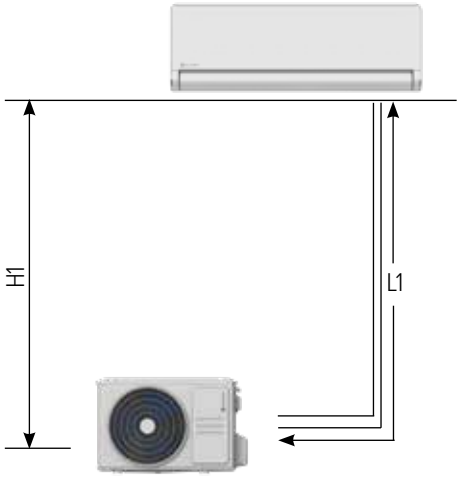
Outdoor unit			ME2-Y	27M	35M
Configuration code				AAKEQ10001	AAKEQ20001
Dimensions	Unit	L x D x H	mm	765x303x555	765x303x555
	Packaging	L x D x H	mm	887x337x610	887x337x610
Weight	Unit/Packaging		kg	26,4/28,8	26,4/28,8
Sound power level		Nominal	dB(A)	62	62
Sound pressure level		Nominal	dB(A)	53,5	53,5
Operating range	Cooling	indoor T.	°C	16~32	16~32
		outdoor T.	°C BS	-15~50	-15~50
	Heating	indoor T.	°C	0~30	0~30
		outdoor T.	°C BU	-15~24	-15~24
Refrigerant	Type/GWP		-	R-32 / 675	R-32 / 675
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1
Current - 50Hz	Maximum fuse range (MFA)		A	20	20

[1] SEER and SCOP data, relative energy ratings and annual energy consumption in conformity to the EN 14825 standard measurement.
PUF= Purificator
Fan speed: Hi=High; Mid=Medium; Lo=Low; Si=Silent

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation
Data declared according to UE 626/2011 delegated regulation

refrigerant piping and connections

Set			27M	35M
Max equivalent length	L1	m	25	25
Max difference in level ODU / IDU	H1	m	±10	±10
Refrigerant precharge		kg / m	0,70 / 5	0,70 / 5
		CO_2 tons	0,47	0,47
Additional refrigerant charge		g/m	12	12
External diameters	Liquid	mm / inch	Φ6,35 - 1/4"	Φ6,35 - 1/4"
	Gas	mm / inch	Φ9,52 - 3/8"	Φ9,52 - 3/8"



electrical connections

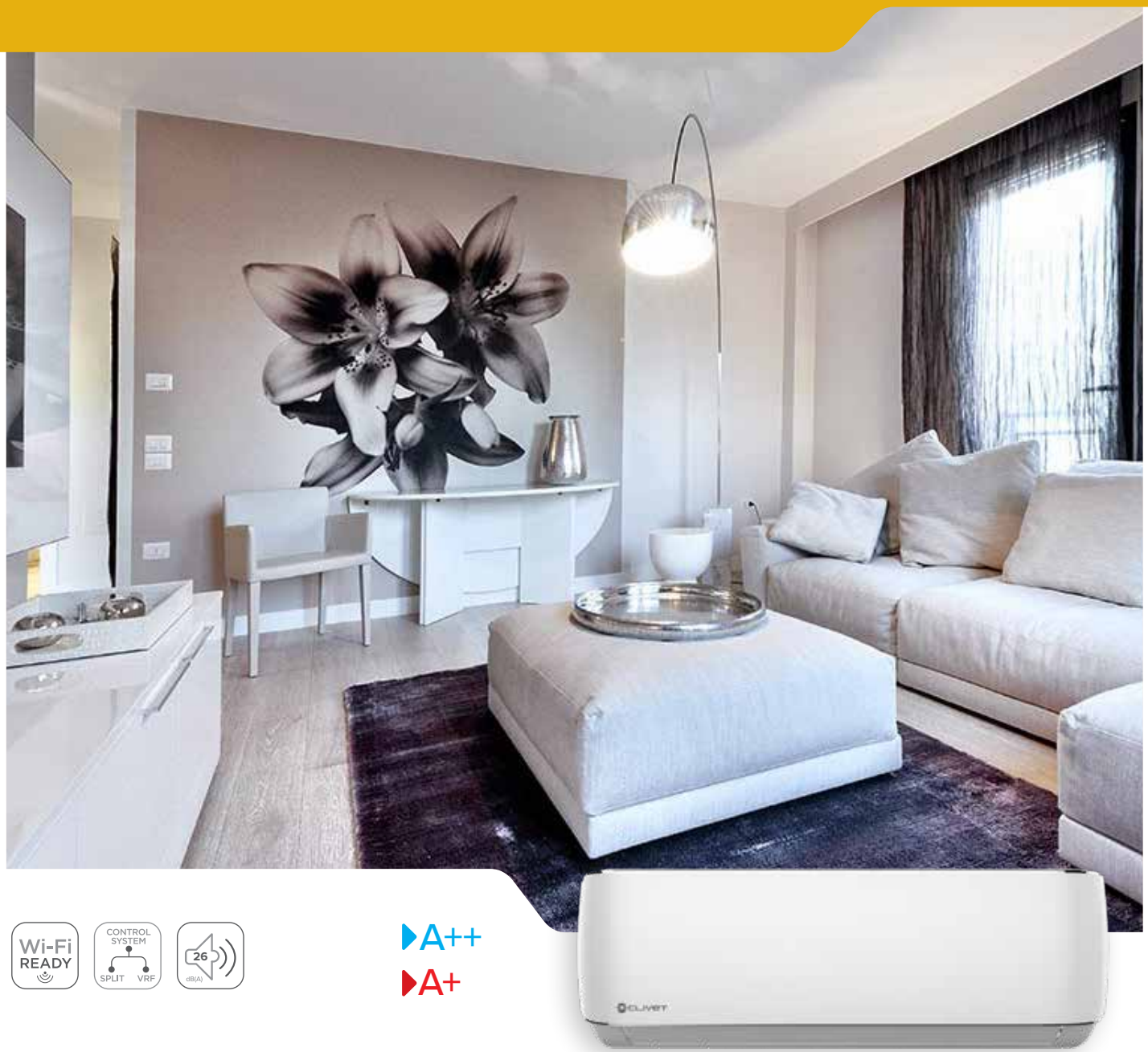
Set			27M	35M
ODU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1
		no. of cables / section	2 x 1,5mm² + G	2 x 1,5mm² + G
	Signal	no. of cables / section	2 x 1,5mm²	2 x 1,5mm²
IDU	Power supply	V/Hz/n°	from ODU	from ODU
		no. of cables / section	2 x 1,5mm² + G	2 x 1,5mm² + G
	Signal	no. of cables / section	2 x 1,5mm²	2 x 1,5mm²

accessories

Standard

RG10X1-G2HS-BGEF	Infrared remote control for SCHIARA indoor units of 2022 range
NWMX	Wi-fi kit for indoor units

CRISTALLO 27M÷70M



Wi-Fi READY

CONTROL SYSTEM
SPLIT VRF

26 dB(A)

A++
A+

Single Split with hiwall indoor unit

WHY CHOOSE CRISTALLO?

- ✓ Smart management as standard: via smartphone with the NetHome Plus App and voice control setup with Amazon Alexa and Google Assistant.
- ✓ Clean, rounded and elegant design
- ✓ Single Split/Multi Split compatible

MULTI-DIRECTIONAL AIRFLOW

The air conditioning unit can distribute the flow of air in multiple directions: to better direct the flow within the room, it electronically adjusts the direction of the louvers both horizontally and vertically.

The standard control can be used to easily set the desired louvers position.

COMFORT

- Follow Me
- Turbo
- Mute Operation
- Silent
- 12-grades indoor Fan speed
- 5-grades outdoor Fan speed
- Anti-cold air Function
- Temperature Compensation
- Auto swing
- Multidirectional Airflow

RELIABILITY

- Refrigerant Leakage Detect
- Self-diagnosis Function
- Emergency using
- Auto defrosting
- Low Ambient Cooling
- Opposite fan rotation (NEW)

CONVENIENCE

- Manual ON/OFF
- Wi-Fi Control
- Single/Multi Compatible
- Louver Position Mermory
- Auto Restart Function
- 2-way Draining
- Timer
- Compatible with voice control

ENERGY SAVING

- 1W Standby
- Sleep Mode

HEALTH

- High Density Filter
- Cold Catalyst Filter
- Self-cleaning

OPTIONAL

- Wired Control
- Central Control Management
- BMS Communication
- Remote ON/OFF
- Weekley Timer (NEW)

Wi-Fi
NWMX
(standard)

WIRED REMOTE CONTROL
KJR-120X1-TFBG-E
(optional)
(necessary MKSSX kit)

REMOTE CONTROL
RG10A4-D-BGEF
(standard)

IM2-XY

MM2-Y

technical data

Set				27M	35M	53M	70M
Cooling capacity	Standard (Min.~Max.)		Btu/h	9.000 (3.500~11.000)	12.000 (4.700~14.700)	18.000 (11.570~20.000)	24.000 (7.200~28.000)
	Standard (Min.~Max.)		kW	2,6 (1,0~3,2)	3,5 (1,4~4,3)	5,3 (3,4~5,9)	7,0 (2,1~8,4)
Heating capacity	Standard (Min.~Max.)		Btu/h	10.000 (2.800~11.500)	13.000 (3.700~15.000)	19.000 (10.600~20.000)	25.000 (5.300~28.000)
	Standard (Min.~Max.)		kW	2,9 (0,8~3,4)	3,8 (1,1~4,4)	5,6 (3,1~5,8)	7,3 (1,6~8,2)
Standard power input	Cooling (Min.~Max.)		W	740 (80~1.100)	1.140 (120~1.650)	1.550 (560~2.050)	2.510 (420~3.200)
	Heating (Min.~Max.)		W	780 (70~990)	1.080 (110~1480)	1.500 (780~2.000)	2.130 (300~3.100)
Rated current input	Cooling (Min.~Max.)		A	4,95 (0,35~4,78)	5,10 (0,5~7,2)	6,7 (2,4~9)	10,9 (1,8~13,9)
	Heating (Min.~Max.)		A	3,50 (0,32~4,32)	4,80 (0,5~6,4)	6,5 (3,4~8,7)	9,46 (1,4~14,4)
Seasonal efficiency[1]	Cooling	Energy efficiency class	-	A++	A++	A++	A++
		Design load (Pdesign)	kW	2,7	3,5	5,3	7,0
		SEER	-	6,90	7,00	7,00	6,50
		Annual energy consumption	kWh/a	137	180	265	377
	Heating Average season	Energy efficiency class	-	A+	A+	A+	A+
		Design load (Pdesign)	kW	2,7	2,9	4,1	4,9
		SCOP	-	4,00	4,10	4,00	4,00
		Annual energy consumption	kWh/a	945	990	1.435	1.730
	Heating Warmer season	Energy efficiency class	-	A+++	A+++	A+++	A+++
		SCOP	-	5,30	5,40	5,10	5,10
Standard efficiency	EER		-	3,56	3,27	3,23	3,25
	COP		-	3,76	3,71	3,71	3,80

Indoor unit			IM2-XY	27M	35M	53M	70M
Configuration code				AAP4Q10001	AAP4Q20001	AAP4Q40001	AAP4Q60001
Dimensions	Unit	L xD x H	mm	722x187x290	802x189x297	965x215x319	1080x226x335
	Packaging	L xD x H	mm	790x270x375	875x285x380	1045x305x410	1155x415x320
Weight	Unit/Packaging		kg	7,3/9,7	8,6/11,1	10,9/14,2	13,7/17,3
Air filter	Type		-	CCF	CCF	CCF	CCF
Airflow		Hi/Mid/Lo	m³/h	416/309/230	584/477/395	730/500/420	1020/830/640
Dehumidification capacity			l/h	1,0	1,2	1,8	2,7
Sound power level		Hi	dB(A)	56	55	57	63
Sound pressure level		Hi/Mid/Lo	dB(A)	39/32/26	39/32/26	43/33,5/28	47/41,5/30,5
Control systems	Infrared remote control		-	RG10A4-D-BGEF	RG10A4-D-BGEF	RG10A4-D-BGEF	RG10A4-D-BGEF
	Settable temperature		°C	17~30	17~30	17~30	17~30
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1

Outdoor unit			MM2-Y	27M	35M	53M	70M
Configuration code				AANMQ10001	AANMQ20001	AANMQ40001	AANMQ60001
Dimensions	Unit	L xD x H	mm	720x270x495	720x270x495	805*330*554	890*342*673
	Packaging	L xD x H	mm	835x300x540	835x300x540	915*370*615	995*398*740
Weight	Unit/Packaging		kg	23,2/25	23,2/25	33,5/36,1	43,9/46,9
Sound power level		Nominal	dB(A)	63	63	65	67
Sound pressure level		Nominal	dB(A)	56	56	55,5	60,5
Operating range	Cooling	Indoor T.	°C	17~32	17~32	17~32	17~32
		Outdoor T.	°C BS	-15~50	-15~50	-15~50	-15~50
	Heating	Indoor T.	°C	0~30	0~30	0~30	0~30
		Outdoor T.	°C BU	-15~30	-15~30	-20~30	-20~30
Refrigerante	Type/GWP		-	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Current - 50Hz	Maximum fuse range (MFA)		A	20	20	20	30

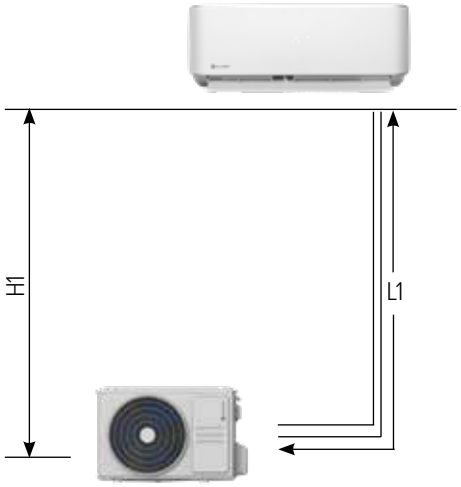
[1] SEER and SCOP data, relative energy ratings and annual energy consumption in conformity to the EN 14825 standard measurement.

CCF = Cold Catalyst
Fan speed: Hi=Hight; Mid=Medium; Lo=Low; Si=Silent

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

refrigerant piping and connections

Set			27M	35M	53M	70M
Max equivalent length	L1	m	25	25	30	50
Max difference in level ODU / IDU	H1	m	±10	±10	±20	±25
Refrigerant precharge		kg / m	0,55 / 5	0,55 / 5	1,1 / 5	1,45 / 5
		CO_2 tons	0,37	0,37	0,74	0,98
Additional refrigerant charge		g/m	12	12	12	24
External diameters	Liquid	mm / inch	Φ6,35 - 1/4"	Φ6,35 - 1/4"	Φ6,35 - 1/4"	Φ9,52 - 3/8"
	Gas	mm / inch	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ12,7 - 1/2"	Φ15,9 - 5/8"



electrical connections

Set			27M	35M	53M	70M
ODU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
		no. of cables / section	2 x 2,5mm² + G	2 x 2,5mm² + G	2 x 2,5mm² + G	2 x 2,5mm² + G
	Signal	no. of cables / section	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 2,5mm²
IDU	Power supply	V/Hz/n°	from ODU	from ODU	from ODU	from ODU
		no. of cables / section	2 x 1,5mm² + G	2 x 1,5mm² + G	2 x 1,5mm² + G	2 x 2,5mm² + G
	Signal	no. of cables / section	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 2,5mm²

accessories

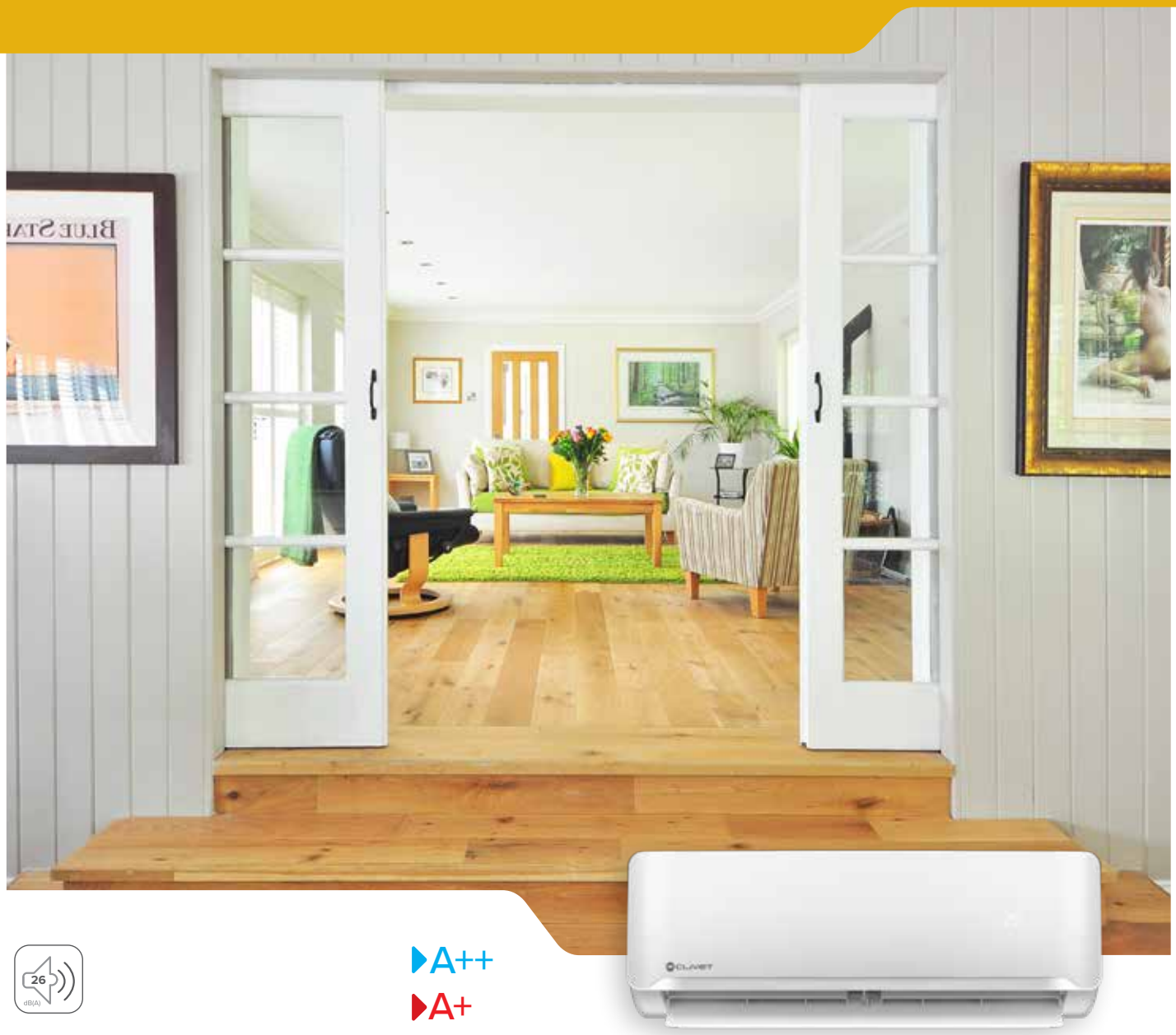
Standard

RG10A4-D-BGEF	Infrared remote control for indoor units CRISTALLO / ESSENTIAL 2 of 2022 range
NWMX	Wi-fi kit for indoor units

Optionals

MKSSX	Multifunction board that makes the indoor unit available for Remote ON / OFF and XYE Port (required for connection of Wired controller, Centralized wired controller, Data Converter, BMS Gateway) Only one function among ON-OFF/Alarm/XYE/Wi-Fi can be used simultaneously
Control systems	(learn more at Control System page)

ESSENTIAL 2 27M÷70M



26 dB(A)

A++
A+

Single Split with hiwall indoor unit

WHY CHOOSE ESSENTIAL 2?

- ✓ Silent mode
- ✓ Completed range: Single Split 9.000 ÷ 24.000 Btu/h, Multi Split 8.000 ÷ 24.000 Btu/h
- ✓ Single Split/Multi Split Compatible

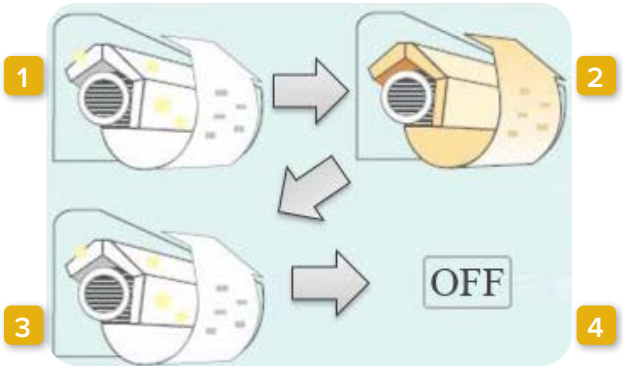
FOLLOW-ME FUNCTION

The system gives priority to the temperature sensor in the remote control and adjusts itself accordingly.

1. Standard temperature sensor
2. Temperature sensor can be activated

AUTO-CLEANING FUNCTION

Dries and cleans the indoor unit's exchanger, prevents the emission of bad odours into the environment.



1. Ventilation
2. Heating
3. Ventilation
4. Stand-by

COMFORT

Follow Me · Turbo · Mute Operation · Silent · 12-grades indo- or Fan speed · 5-grades outdoor Fan speed · Anti-cold air Function · Temperature Compensation · Auto swing · Multidirec- tional Airflow

RELIABILITY

Refrigerant Leakage Detect · Self- diagnosis Function · Emergency using · Auto- defrosting · Low Ambient Cooling · Opposite fan rotation

CONVENIENCE

Manual ON/OFF · Single/Multi Compatible · Louver Position Mermory · Auto Restart Function · 2-way Draining · Timer

ENERGY SAVING

1W Standby · Sleep Mode

HEALTH

High Density Filter · Cold Catalyst Filter · Self- cleaning

TELECOMANDO RG10A4-D-BGEF *(standard)*

IL3-XY

ML3-Y

technical data

Set				27M	35M	53M	70M
Cooling capacity	Standard (Min.~Max.)		Btu/h	9.000 (3.500~11.000)	12.000 (4.700~14.700)	18.000 (11.570~20.000)	24.000 (7.200~28.000)
	Standard (Min.~Max.)		kW	2,6 (1,0~3,2)	3,5 (1,4~4,3)	5,3 (3,4~5,9)	7,0 (2,1~8,4)
Heating capacity	Standard (Min.~Max.)		Btu/h	10.000 (2.800~11.500)	13.000 (3.700~15.000)	19.000 (10.600~20.000)	25.000 (5.300~28.000)
	Standard (Min.~Max.)		kW	2,9 (0,8~3,4)	3,8 (1,1~4,4)	5,6 (3,1~5,8)	7,3 (1,6~8,2)
Standard power input	Cooling (Min.~Max.)		W	740 (80~1.100)	1.140(120~1.650)	1.550 (560~2.050)	2.510 (420~3.200)
	Heating (Min.~Max.)		W	780 (70~990)	1.080 (110~1480)	1.500 (780~2.000)	2.130 (300~3.100)
Standard power input	Cooling (Min.~Max.)		A	4,95 (0,35~4,78)	5,10 (0,5~7,2)	6,7 (2,4~9)	10,9 (1,8~13,9)
	Heating (Min.~Max.)		A	3,50(0,32~4,32)	4,80 (0,5~6,4)	6,5 (3,4~8,7)	9,46 (1,4~14,4)
Seasonal efficiency[1]	Cooling	Energy efficiency class	-	A++	A++	A++	A++
		Design load (Pdesign)	kWh/a	2,7	3,5	5,3	7,0
		SEER	-	6,90	7,00	7,00	6,50
		Annual energy consumption	kW	137	180	265	377
	Heating Average season	Energy efficiency class	-	A+	A+	A+	A+
		Design load (Pdesign)	kWh/a	2,7	2,9	4,1	4,9
		SCOP	-	4,00	4,10	4,00	4,00
		Annual energy consumption	-	945	990	1.435	1.730
	Heating Warmer season	Energy efficiency class		A+++	A+++	A+++	A+++
		SCOP		5,30	5,40	5,10	5,10
Standard efficiency	EER			3,56	3,27	3,23	3,25
	COP			3,76	3,71	3,71	3,80

Indoor unit			IL3-XY	27M	35M	53M	70M
Configuration code				AAKLQ10001	AAKLQ20001	AAKLQ40001	AAKLQ60001
Dimensions	Unit	L x D x H	mm	722x187x290	802x189x297	965x215x319	1080x226x335
	Packaging	L x D x H	mm	790x270x375	875x285x380	1045x305x410	1155x415x320
Weight	Unit/Packaging		kg	7,3/9,7	8,6/11,1	10,9/14,2	13,7/17,3
Air filter	Type		-	CCF	CCF	CCF	CCF
Airflow		Hi/Mid/Lo	m³/h	416/309/230	584/477/395	730/500/420	1020/830/640
Dehumidification capacity			l/h	1,0	1,2	1,8	2,7
Sound power level		Hi	dB(A)	56	55	57	63
Sound pressure level		Hi/Mid/Lo	dB(A)	39/32/26	39/32/26	43/33,5/28	47/41,5/30,5
Control systems	Infrared remote control		-	RG10A4-D-BGEF	RG10A4-D-BGEF	RG10A4-D-BGEF	RG10A4-D-BGEF
	Settable temperature		°C	17~30	17~30	17~30	17~30
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1

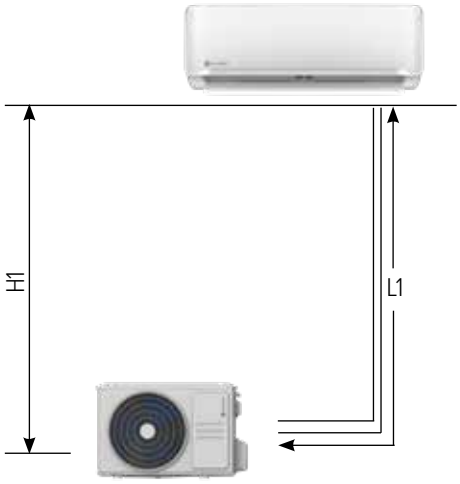
Outdoor unit			ML3-Y	27M	35M	53M	70M
Configuration code				AAPIQ10001	AAPIQ20001	AAPIQ40001	AAPIQ60001
Dimensions	Unit	L x D x H	mm	720x270x495	720x270x495	805*330*554	890*342*673
	Packaging	L x D x H	mm	835x300x540	835x300x540	915*370*615	995*398*740
Weight	Unit/Packaging		kg	23,2/25	23,2/25	33,5/36,1	43,9/46,9
Sound power level		Nominal	dB(A)	63	63	65	67
Sound pressure level		Nominal	dB(A)	56	56	55,5	60,5
Operating range	Cooling	indoor T.	°C	17~32	17~32	17~32	17~32
		outdoor T.	°CBS	-15~50	-15~50	-15~50	-15~50
	Heating	indoor T.	°C	0~30	0~30	0~30	0~30
		outdoor T.	°CBU	-15~30	-15~30	-20~30	-20~30
Refrigerante	Type/GWP		-	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Current - 50Hz	Maximum fuse range (MFA)		A	20	20	20	30

[1] SEER and SCOP data, relative energy ratings and annual energy consumption in conformity to the EN 14825 standard measurement.
CCF = Cold Catalyst
Fan speed: Hi=Hight; Mid=Medium; Lo=Low; Si=Silent
Test conditions:
according to EN14511 / EN12102

Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

refrigerant piping and connections

Set			27M	35M	53M	70M
Max equivalent length	L1	m	25	25	30	50
Max difference in level ODU / IDU	H1	m	±10	±10	±20	±25
Refrigerant precharge		kg / m	0,55 / 5	0,55 / 5	1,1 / 5	1,45 / 5
		CO_2 tons	0,37	0,37	0,74	0,98
Additional refrigerant charge		g/m	12	12	12	24
External diameters	Liquid	mm / inch	Φ6,35 - 1/4"	Φ6,35 - 1/4"	Φ6,35 - 1/4"	Φ9,52 - 3/8"
		mm / inch	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ12,7 - 1/2"	Φ15,9 - 5/8"



electrical connections

Set			27M	35M	53M	70M
ODU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
		no. of cables / section	2 x 1,5 mm^2 + G	2 x 1,5 mm^2 + G	2 x 1,5 mm^2 + G	2 x 2,5mm^2 + G
	Signal	no. of cables / section	2 x 1,5 mm^2	2 x 1,5 mm^2	2 x 1,5 mm^2	2 x 2,5mm^2
IDU	Power supply	V/Hz/n°	from ODU	from ODU	from ODU	from ODU
		no. of cables / section	2 x 1,5 mm^2 + G	2 x 1,5 mm^2 + G	2 x 1,5 mm^2 + G	2 x 2,5mm^2 + G
	Signal	no. of cables / section	2 x 1,5 mm^2	2 x 1,5 mm^2	2 x 1,5 mm^2	2 x 2,5mm^2

accessories

Standard

RG10A4-D-BGEF	Infrared remote control for indoor units CRISTALLO/ESSENTIAL 2 of 2022 range

NATIV 27M÷70M

25 dB(A)

A++
A+

Single Split / Multi Split with Hiwall indoor unit

WHY CHOOSE NATIV?

- ✓ Full range: Single Split 9.000 ÷ 24.000 Btu/h, Multi Split 9.000 ÷ 24.000 Btu/h
- ✓ Compatible with Single & Multi Split systems
- ✓ Optional: Wi-Fi for the remote management with NetHome Plus application for Android and iOS

MULTI-DIRECTIONAL AIRFLOW

The air conditioning unit can distribute the flow of air in multiple directions: to better direct the flow within the room, it electronically adjusts the direction of the louvers both horizontally and vertically.

The standard control can be used to easily set the desired louver position.

FOLLOW-ME FUNCTION

The system gives priority to the temperature sensor in the remote control and adjusts itself accordingly.

1. Standard temperature sensor
2. Temperature sensor can be activated

CONTROL BY SMARTPHONE

Thanks to an optional accessory, it is possible to set the temperature, on/off and timer of the unit from the smartphone.

COMFORT

Follow Me · Turbo · 12-grades indoor Fan speed · 10-grades outdoor Fan speed (Single Split) · 6-grades outdoor Fan speed (Single Split) · Anti-cold air · Temperature compensation · Auto swing

RELIABILITY

Refrigerant Leakage Detect · Self-diagnosis Function · Emergency using · Auto defrosting · Low Ambient Cooling · Opposite fan rotation (NEW)

CONVENIENCE

Manual ON/OFF · Single/Multi Compatible · Louver Position Memory · Auto Restart Function · 2-way Draining · Timer · Automatic correction of the connection error (Multi Split)

ENERGY SAVING

1W Standby · Sleep

HEALTH

High Density Filter · Cold Catalyst Filter · Self-Cleaning

OPTIONAL

WIFI Control

Wi-Fi NWMX *(optional)*

REMOTE CONTROL RG57 *(standard)*

IZ2-XY

MM2-Y

technical data

Set				27M	35M	53M	70M
Cooling capacity	Standard (Min.~Max.)		Btu/h	9.000(3.100~11.600)	12.000(3.800~14.200)	18.000(4.200~19.900)	24.000(7.100~27.000)
	Standard (Min.~Max.)		kW	2,6 (0,9~3,4)	3,5 (1,1~4,2)	5,3 (1,2~5,8)	7,0 (2,1~7,9)
Heating capacity	Standard (Min.~Max.)		Btu/h	10.000(2.800~11.500)	13.000(3.700~14.400)	19.000(4.600~20.000)	25.000(5.500~27.000)
	Standard (Min.~Max.)		kW	2,9 (0,8~3,7)	3,8 (1,1~4,2)	5,6 (1,3~5,8)	7,3 (1,6~7,9)
Standard power input	Cooling (Min.~Max.)		W	732(100~1240)	1.213(130~1580)	1.550(560~2.050)	2.600(420~3.150)
	Heating (Min.~Max.)		W	733(120~1200)	1.088(100~1680)	1.570(780~2000)	2.400(300~2.750)
Rated current input	Cooling (Min.~Max.)		A	3,18(0,4~5,4)	5,27(0,5~6,9)	6,7(2,4~8,9)	11,5(1,8~13,8)
	Heating (Min.~Max.)		A	3,18(0,5~5,2)	4,73(0,4~6,9)	6,8(3,4~8,7)	11,0(1,3~12,2)
Seasonal efficiency[1]	Cooling	Energy efficiency class	-	A++	A++	A++	A++
		Design load (Pdesign)	kW	2,8	3,6	5,2	7,0
		SEER	-	6,30	6,10	7,40	6,10
		Annual energy consumption	kWh/a	156	211	247	405
	Heating Average season	Energy efficiency class	-	A+	A+	A+	A+
		Design load (Pdesign)	kW	2,6	2,7	4,1	4,8
		SCOP	-	4,00	4,00	4,00	4,00
		Annual energy consumption	kWh/a	910	945	1.435	1.680
	Heating Warmer season	Energy efficiency class	-	A+++	A+++	A+++	A++
		SCOP	-	5,10	5,10	5,10	4,80
Standard efficiency	EER		-	3,60	3,28	3,54	3,28
	COP		-	3,92	3,71	3,83	3,73

Indoor unit		IZ2-XY		27M	35M	53M	70M
Configuration code				AAKZQ10001	AAKZQ20001	AAKZQ40001	AAKZQ60001
Dimensions	Unit	L x D x H	mm	805x194x285	805x194x285	957x213x302	1040x220x327
	Packaging	L x D x H	mm	870x270x365	870x270x365	1035x295x385	1120x405x315
Weight	Unit/Packaging		kg	7,6/9,7	7,6/9,8	10,0/13,0	12,3/15,8
Air filter	Type		-	CCF	CCF	CCF	CCF
Airflow		Hi/Mid/Lo	m3/h	466/360/325	540/430/314	840/680/540	980/817/662
Dehumidification capacity			l/h	1,0	1,2	1,8	2,7
Sound power level		Hi	dB(A)	54	55	56	59
Sound pressure level		Hi/Mid/Lo/Si	dB(A)	38,5/32/25/21	40,5/34,5/25/21	42,5/36/26	45/40,5/36
Control systems		Infrared remote control	-	RG57	RG57	RG57	RG57
		Settable temperature	°C	17-30	17-30	17-30	17-30
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1

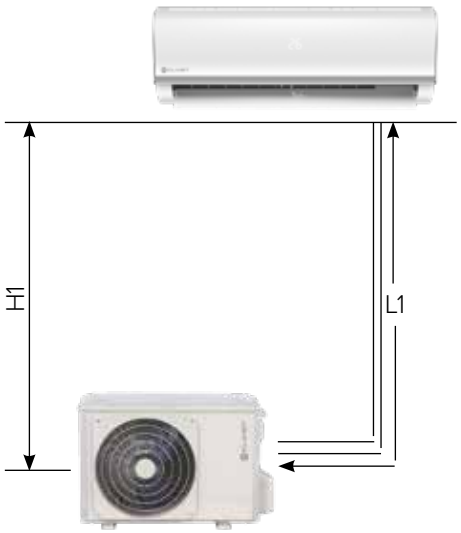
Outdoor unit		MZ2-Y		27M	35M	53M	70M
Configuration code				AAPZQ10001	AAPZQ20001	AAPZQ40001	AAPZQ60001
Dimensions	Unit	L x D x H	mm	720x270x495	720x270x495	805x330x554	890x342x673
	Packaging	L x D x H	mm	835x300x540	835x300x540	915x370x615	995x398x740
Weight	Unit/Packaging		kg	23,2/25,0	23,2/25,0	32,7/35,4	42,9/45,9
Sound power level		Nominal	dB(A)	62	63	63	67
Sound pressure level		Nominal	dB(A)	56	56	56	59
Operating range	Cooling	Indoor T.	°C	17~32	17~32	17~32	17~32
		Outdoor T.	°CBS	-15~50	-15~50	-15~50	-15~50
	Heating	Indoor T.	°C	0~30	0~30	0~30	0~30
		Outdoor T.	°CBU	-15~30	-15~30	-15~30	-15~30
Refrigerant	Type/GWP		-	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Current - 50Hz	Maximum fuse range (MFA)		A	20	20	20	30

[1] SEER and SCOP data, relative energy ratings and annual energy consumption in conformity to the EN 14825 standard measurement.
CCF = Cold Catalyst
Fan speed: Hi=Hight; Mid=Medium; Lo=Low; Si=Silent

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

refrigerant piping and connections

Set			27M	35M	53M	70M
Max equivalent length	L1	m	25	25	30	50
Max difference in level ODU / IDU	H1	m	10	10	20	25
Refrigerant precharge		kg / m	0,55 / 5	0,55 / 5	1,08 / 5	1,42 / 5
		CO_2 tons	0,37125	0,37125	0,729	0,9585
Additional refrigerant charge		g/m	12	12	12	24
External diameters	Liquid	mm / inch	Φ6,35 - 1/4"	Φ6,35 - 1/4"	Φ6,35 - 1/4"	Φ9,52 - 3/8"
	Gas	mm / inch	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ12,7 - 1/2"	Φ15,9 - 5/8"



electrical connections

Set			27M	35M	53M	70M
ODU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
		no. of cables / section	2 x 1,5 mm^2 + G	2 x 1,5 mm^2 + G	2 x 1,5 mm^2 + G	2 x 2,5mm^2 + G
	Signal	no. of cables / section	2 x 1,5 mm^2	2 x 1,5 mm^2	2 x 1,5 mm^2	2 x 2,5 mm^2
IDU	Power supply	V/Hz/n°	da ODU	da ODU	da ODU	da ODU
		no. of cables / section	2 x 1,5 mm^2 + G	2 x 1,5 mm^2 + G	2 x 1,5 mm^2 + G	2 x 2,5 mm^2 + G
	Signal	no. of cables / section	2 x 1,5 mm^2	2 x 1,5 mmm^2	2 x 1,5 mm^2	2 x 2,5 mm^2

accessories

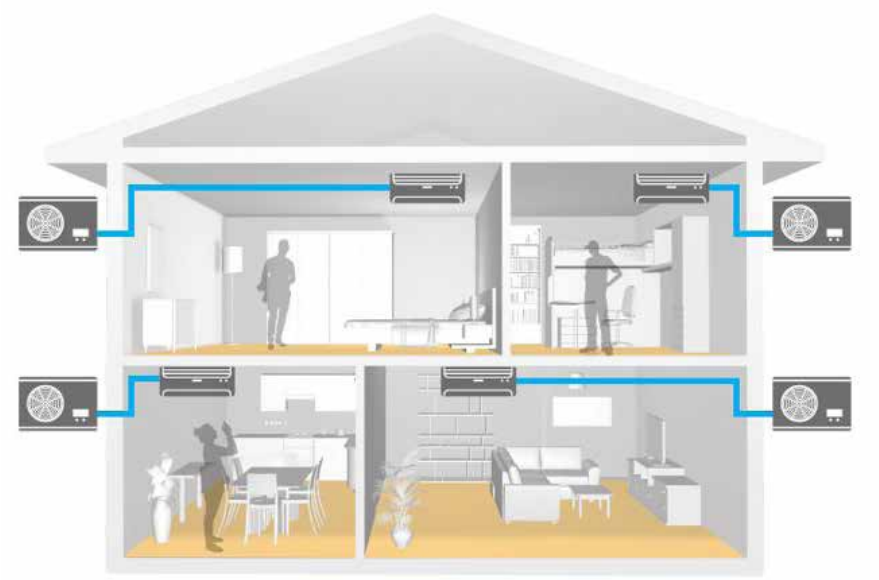
Standard

RG57	Standard Wireless remote controller for Indoor units NATIV

Optionals

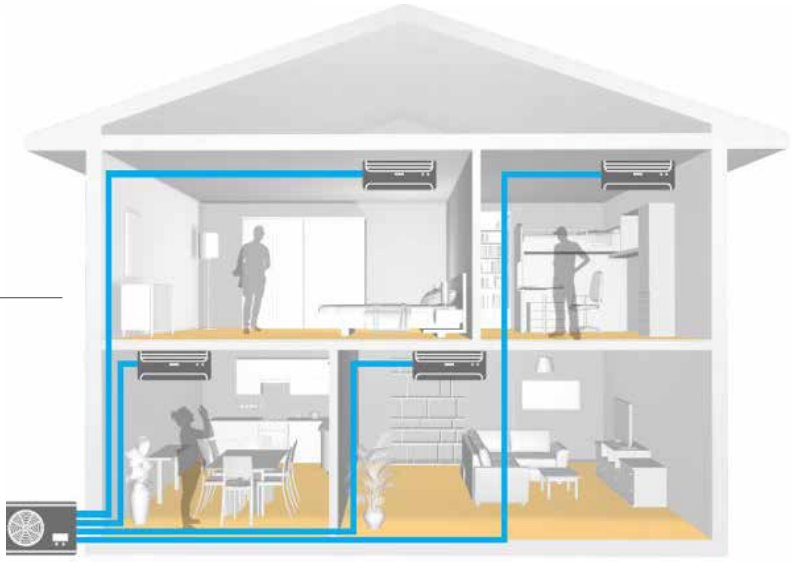
Control systems	Learn more at Control System page

Multi Split



Single Split

One outdoor unit for each environment to be conditioned.



Multi Split

Space-saving solution, suitable for the conditioning of many environments.

OUTDOOR/INDOOR UNIT COMBINATION

OUTDOOR UNIT	ENERGY CLASS[1]	HIWALL INDOOR UNITS												COMPACT CASSETTE 4-WAY 60X650 INDOOR UNIT			DUCT INDOOR UNITS			CEILING/FLOOR INDOOR UNITS.	HOT WATER
		SCHIARA 2		CRISTALLO					ESSENTIAL 2					BOX 2 650x650			DUCT 2			C&F 2	HYDRO-M
Outdoor Unit	Cooling/ Heating.	IE2-Y		IM2-XY					IL3-XY					IB3-XY			ID3-XY			IF3-XY	IHW1-Y
		27M	35M	20M	27M	35M	53M	70M	20M	27M	35M	53M	70M	27M	35M	53M	27M	35M	53M	53M	80M
MU2-Y 41M	A++/A+	●	●	●	●	●	●	-	●	●	●	●	-	●	●	●	●	●	●	●	-
MU2-Y 53M	A++/A+	●	●	●	●	●	●	-	●	●	●	●	-	●	●	●	●	●	●	●	-
MU2-Y 61M	A++/A+	●	●	●	●	●	●	-	●	●	●	●	-	●	●	●	●	●	●	●	-
MU2-Y 79M	A++/A+	●	●	●	●	●	●	-	●	●	●	●	-	●	●	●	●	●	●	●	-
MU2-Y 82M	A++/A+	●	●	●	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-
MU2-Y 105M	A++/A	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MU2-Y 125M	A++/A	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-

[1]Energy Classes for a 100% combination of the nominal load. For the complete technical data of the combinations, refer to the Combination Tables

ODU-SM 2 41M÷125M

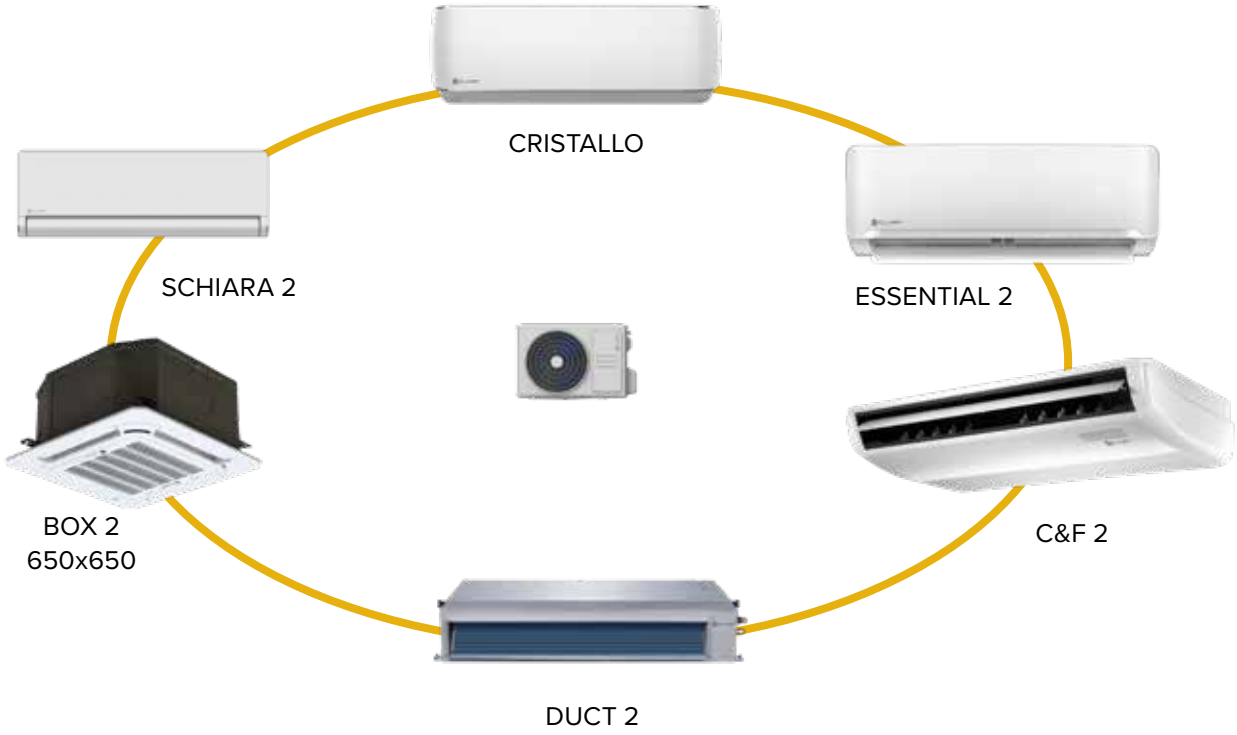
A++
A+

Outdoor unit for Multi Split systems

WHY CHOOSE OUTDOOR UNIT-SM 2 R-32?

- ✓ From 1 up to 5 connectable indoor units, also of different types
- ✓ Rapid installation: automatic correction of the connection errors
- ✓ Extremely extended operating ranges : Heating -15°C ÷ +24°C ; Cooling -15°C ÷ +50°C

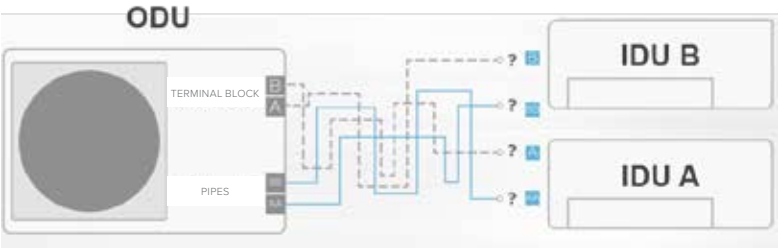
INCREASED INDOOR UNIT RANGE



AUTOMATIC CORRECTION FUNCTION OF PIPING/WIRING ERRORS

The unit reassigns the communication, correcting any wiring errors.

Note: Press the «CHECK» button for 5 seconds until «CE» appears on the display.



EVEN ONLY ONE COLLECTABLE IDU

Possibility to add more indoor units after the first installation.

COMFORT

7 - grades outdoor Fan speed

CONVENIENCE

CHECK

Automatic correction connection errors

CONVENIENCE

NEW

Opposite fan rotation

MU2-Y (41M÷53M)

MU2-Y (61M÷79M)

MU2-Y (82M÷125M)

technical data

Outdoor unit			MU2-Y	41M	53M	61M	79M	82M	105M	125M
Configuration code				AANVQ30001	AANVQ40001	AANVQ50001	AANVQ70001	AANVQ80001	AANVP10001	AANVR20001
Indoor units connectable		Min~Max	-	1~2 (DUAL)	1~2 (DUAL)	1~3 (TRIPLE)	1~3 (TRIPLE)	1~4 (QUADRI)	1~4 (QUADRI)	1~5 (PENTA)
Cooling capacity	Standard[1] (Min~Max)		Btu/h	14000 (5000~16500)	18000 (7600~19000)	21000 (6800~22500)	27000 (10200~29000)	28.000 (7.000~33.600)	36.000 (7.000~36.000)	42.000 (10.800-42.000)
	Standard[1] (Min~Max)		kW	4,1 (1,5~4,8)	5,3 (2,2~5,6)	6,2 (2,0~6,6)	7,9 (3,0~8,5)	8,2 (2,1~9,8)	10,5 (2,1~10,5)	12,3 (3,2~12,3)
Heating capacity	Standard[2] (Min~Max)		Btu/h	15.000 (5.500~16.500)	19.000 (8.000~19.200)	22.000 (4.900~22.800)	28.000 (7.500~29.000)	30.000 (8.000~36.000)	37.000 (8.000~38.000)	42.000 (11.500-42.000)
	Standard[2] (Min~Max)		kW	4,4 (1,6~4,8)	5,6 (2,3~5,6)	6,4 (1,4~6,7)	8,2 (2,2~8,5)	8,8 (2,3~10,5)	10,8 (2,3~11,1)	12,3 (3,4~12,3)
Dimensions	Unit		mm	805x330x554	805x330x554	890x342x673	890x342x673	946x410x810	946x410x810	946x410x810
	Packaging		mm	915x370x615	915x370x615	1030x438x750	1030x438x750	1090x500x875	1090x500x875	1090x500x875
Weight	Unit / Packaging		kg	31,6/34,7	35/38	43,3/47,1	48/51,8	62,1/67,7	68,8/75,6	73,3/80,4
Sound power level		Standard	dB(A)	65	65	68	68	69	70	70
Sound pressure level		Standard	dB(A)	56	56	58	58	61	62	64
Operating range	Cooling	Outdoor T.	°CBS	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50
	Heating	Outdoor T.	°CBU	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24
Refrigerant	Tipo/GWP		-	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Current - 50Hz	Maximum fuse capacity (MFA)		A	20	20	30	30	30	30	30

Note: Adapters for connection to the refrigerant piping with different diameters supplied as standard.

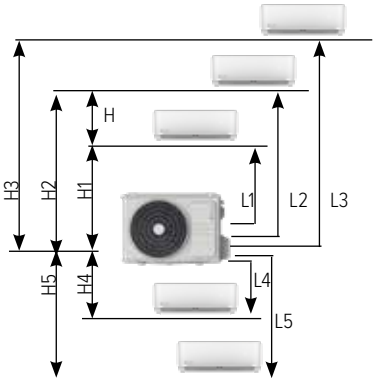
[1] Test conditions: indoor air temperature 27°C B.S./ 19°C B.U. - outdoor air temperature 35°C B.S./ 24°C B.U.
[2] Test conditions: indoor air temperature 20°C B.S./ 15°C B.U. - outdoor air temperature 7°C B.S./ 6°C B.U.

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

refrigerant piping and connections

Outdoor unit				41M	53M	61M	79M	82M	105M	125M
Max equivalent length (Total)	L1+L2+L3+L4+L5	m		40	40	60	60	80	80	80
Max equivalent length (Each branch)	L1 / L2 / L3 / L4 / L5	m		25	25	30	30	35	35	35
Max difference in level ODU / IDU	H1 / H2 / H3 / H4 / H5	m		±15	±15	±15	±15	±15	±15	±15
Max difference in level IDU / ODU	H	m		10	10	10	10	10	10	10
Refrigerant precharge		kg / m		1,1 / (2 x 7,5)	1,25 / (2 x 7,5)	1,5 / (2 x 7,5)	1,85 / (3 x 7,5)	2,1 / (4 x 7,5)	2,1 / (4 x 7,5)	2,9 / (5 x 7,5)
		CO_2 tons		0,74	0,84	1,01	1,25	1,42	1,42	1,96
Additional refrigerant charge		g/m		12	12	12	12	12	12	12
External diameters (ODU)	Liquid	mm / inch		2 x (Φ6,35 - 1/4")	2 x (Φ6,35 - 1/4")	3 x (Φ6,35 - 1/4")	3 x (Φ6,35 - 1/4")	4 x (Φ6,35 - 1/4")	4 x (Φ6,35 - 1/4")	5 x (Φ6,35 - 1/4")
	Gas	mm / inch		2 x (Φ9,52 - 3/8")	2 x (Φ9,52 - 3/8")	3 x (Φ9,52 - 3/8")	3 x (Φ9,52 - 3/8")	3 x (Φ9,52 - 3/8") + 1 x (Φ12,7 - 1/2")	3 x (Φ9,52 - 3/8") + 1 x (Φ12,7 - 1/2")	4 x (Φ9,52 - 3/8") + 1 x (Φ12,7 - 1/2")

Indoor unit			20M	27M	35M	53M	70M
External diameters (IDU)	Liquid	mm / inch	Φ6,35 - 1/4"	Φ6,35 - 1/4"	Φ6,35 - 1/4"	Φ6,35 - 1/4"	Φ9,52 - 3/8"
	Gas	mm / inch	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ12,7 - 1/2"	Φ15,9 - 5/8"



electrical connections

Set				41M	53M	61M	79M	82M	105M	125M
ODU	Power supply	V/Hz/n°		230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
		no. of cables / section		2 x 1,5mm² + G	2 x 1,5mm² + G	2 x 2,5mm² + G	2 x 2,5mm² + G	2 x 2,5mm² + G	2 x 2,5mm² + G	2 x 4mm² + G
	Signal (for each IDU)	no. of cables / section		1 x 1mm²	1 x 1mm²	1 x 1mm²	1 x 1mm²	1 x 1mm²	1 x 1mm²	1 x 1mm²
IDU	Power supply	V/Hz/n°		from ODU	from ODU	from ODU	from ODU	from ODU	from ODU	from ODU
		no. of cables / section		2 x 1,5mm² + G	2 x 1,5mm² + G	2 x 1,5mm² + G (20M÷53M) 2 x 2,5mm² + G (70M)	2 x 1,5mm² + G (20M÷53M) 2 x 2,5mm² + G (70M)	2 x 1,5mm² + G (20M÷53M) 2 x 2,5mm² + G (70M)	2 x 1,5mm² + G (20M÷53M) 2 x 2,5mm² + G (70M)	2 x 1,5mm² + G (20M÷53M) 2 x 2,5mm² + G (70M)
	Signal	no. of cables / section		1 x 1mm²	1 x 1mm²	1 x 1mm²	1 x 1mm²	1 x 1mm²	1 x 1mm²	1 x 1mm²

SCHIARA 2 27M÷35M

NEW PRODUCT

MULTISplit

Wi-Fi READY

21 dB(A)

Hiwall indoor unit for Multi Split systems

WHY CHOOSE SCHIARA 2?

- ✓ Smart management as standard: via smartphone with the NetHome Plus App and voice control setup with Amazon Alexa and Google Assistant.
- ✓ Purification filter: active against odours, dust, VOCs, pollen, spores, bacteria and virus
- ✓ Extremely wide air distribution thank to the 180° motorized louver rotation
- ✓ Single Split/Multi Split compatible

180° LOUVER

Horizontal louver can rotate with a 180° angle, bigger than a standard unit.

PURIFICATION FILTER

Clean the air from smells, dangeours gas (VOCs), mocrobes (bacteria, virus, spores) and other particles.

CASCADE

Quick cooling function that let the horizontal louver rotate automatically.

COMFORT

Follow Me · Turbo · Stepless Indoor Fan Speed · Anti-cold air · Temperature Compensation · Auto swing · Multi directional Airflow · 180° louver · Cascade

RELIABILITY

Self-diagnosis Function · Auto defrosting · Low Ambient Cooling

CONVENIENCE

Manual ON/OFF · Wi-Fi Control · Single/Multi Compatible · Louver Position Mermory · Auto-restart · 2-way Draining · Timer · 0,5°C Temperature Regulation · Compatible with voice control

ENERGY SAVING

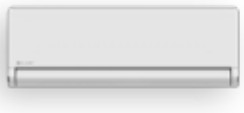
Sleep

HEALTH

High Density Filter · Purification Filter

Wi-Fi
NWMX
(standard)

REMOTE CONTROL
RG10X1-G2HS-BGEF
(standard)



IE2-Y

technical data

Indoor unit			IE2-Y	27M	35M
Configuration code				AAHEQ10001	AAHEQ20001
Cooling capacity	Standard		Btu/h	9.000	12.000
			kW	2,6	3,5
Heating capacity	Standard		Btu/h	10.000	13.000
			kW	2,9	3,8
Dimensions	Unit	L x D x H	mm	920x321x211	920x321x211
	Packaging	L x D x H	mm	1005x385x295	1005x385x295
Weight	Unit/Packaging		kg	11,30/14,16	11,30/14,16
Air filter	Type		-	PUF	PUF
Airflow		Hi/Mid/Lo	m³/h	700/515/425	700/515/425
Sound power level		Hi	dB(A)	53	53
Sound pressure level		Hi/Mid/Lo	dB(A)	40/32,5/21,5	40/32,5/21,5
Operating range	Cooling	Indoor T.	°C	16~32	16~32
	Heating	Outdoor T.	°C	0~30	0~30
Refrigerant piping	External diameters	Liquid-Gas	mm	Φ6,35 - Φ9,52	Φ6,35 - Φ9,52
			inch.	1/4" - 3/8"	1/4" - 3/8"
Control systems	Infrared remote control		-	RG10X1-G2HS-BGEF	
	Settable temperature		°C	17~30	
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	

Fan speed: Hi=Hight; Mid=Medium; Lo=Low; Si=Silent
PUF= Purificator

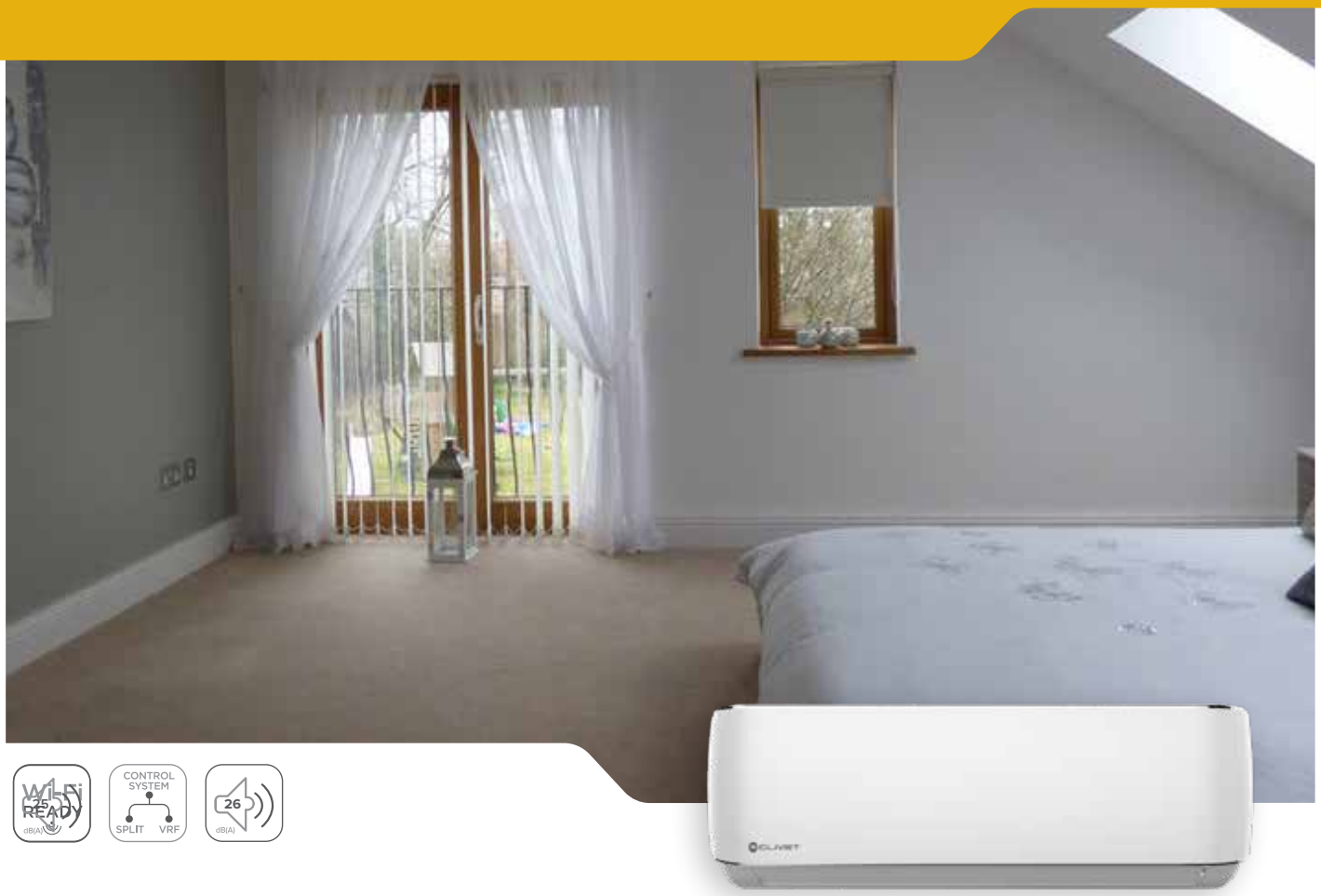
Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

accessories

Standard

RG10X1-G2HS-BGEF	Infrared remote control for indoor units SCHIARA 2 of 2022 range
NWMX	Wi-Fi kit for indoor units

CRISTALLO 20M÷70M



Hiwall indoor unit for Multi Split systems

WHY CHOOSE CRISTALLO?

- ✓ Smart management as standard: via smartphone with the NetHome Plus App and voice control setup with Amazon Alexa and Google Assistant.
- ✓ Clean, rounded and elegant design
- ✓ Single Split/Multi Split compatible

MULTI-DIRECTIONAL FLOW

The air conditioning unit can channel the air flow in different directions to better direct the flow inside the environment

VOICE CONTROL

COMFORT

Follow Me · Turbo · Mute Operation · 12-grades indoor Fan speed · Anti-cold air · Temperature Compensation · Auto swing · Multidirectional Airflow

RELIABILITY

Self-diagnosis Function · Auto defrosting · Low Ambient Cooling

CONVENIENCE

Manual ON/OFF · Wi-Fi Control · Single/Multi Compatible · Louver Position Mermory · Auto Restart Function · 2-way Draining · Timer · Compatible with voice control

ENERGY SAVING

Sleep

HEALTH

High Density Filter · Cold Catalyst Filter

OPTIONAL

Wired Control · Central Control Management · BMS Communication · Remote ON/OFF · Weekley Timer (NEW)

Wi-Fi NWMX *(standard)*

WIRED REMOTE CONTROL KJR-120X1-TFBGE *(optional)* *(MKSSX kit required)*

REMOTE CONTROL RG10A4-D-BGEF *(standard)*

IM2-XY

technical data

Indoor unit			IM2-XY	20M	27M	35M	53M	70M
Configuration code				AAP4Q00001	AAP4Q10001	AAP4Q20001	AAP4Q40001	AAP4Q60001
Cooling capacity	Standard		Btu/h	8.000	9.000	12.000	18.000	24.000
			kW	2,3	2,6	3,5	5,3	7,0
Heating capacity	Standard		Btu/h	9.000	9.500	13.000	19.000	25.000
			kW	2,6	2,8	3,8	5,6	7,3
Dimensions	Unit	L x D x H	mm	722x187x290	722x187x290	802x189x297	965x215x319	1080x226x335
	Packaging	L x D x H	mm	790x270x370	790x270x370	875x285x375	1045x305x410	1155x415x320
Weight	Unit/Packaging		kg	7,3/9,7	7,3/9,7	8,6/11,1	10,9/14,2	13,7/17,3
Air filter	Type		-	CCF	CCF	CCF	CCF	CCF
Airflow		Hi/Mid/Lo	m^3/h	416/309/230	416/309/230	584/477/395	730/500/420	1020/830/640
Sound power level		Hi	dB(A)	54	54	56	58	63
Sound pressure level		Hi/Mid/Lo	dB(A)	8,6/7,1/4,3	8,6/7,1/4,3	8,5/7,6/4,9	12,1/8,3/7,0	17,0/13,8/10,6
Operating range	Cooling	Indoot T.	°C	17~32	17~32	17~32	17~32	17~32
	Heating	Outdoor T.	°C	0~30	0~30	0~30	0~30	0~30
Refrigerant piping	External diameters	Liquid-Gas	mm	Φ6,35 - Φ9,52	Φ6,35 - Φ9,52	Φ6,35 - Φ9,52	Φ6,35 - Φ12,7	Φ9,52 - Φ15,9
			inch.	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	3/8" - 5/8"
Control systems	Infrared remote control		-			RG10A4-D-BGEF		
	Settable temperature		°C			17~30		
Power supply	Voltage/Frequency/Phases		V/Hz/n°			230 / 50 / 1		

Fan speed: Hi=Hight; Mid=Medium; Lo=Low;
CCF = Cold Catalyst

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

accessories

Standard

RG10A4-D-BGEF Infrared remote control for indoor units CRISTALLO/ESSENTIAL 2 of 2022 range

NWMX Wi-Fi kit for indoor units

Optionals

MKSSX Multifunction board providing remote ON/OFF and XYE port (required for connection of single unit wired control, central wired control, Data Converter, Gateway BMS)
Only one function between ON-OFF/XYE port/Wi-Fi can be used simultaneously

Control systems Learn more at Control System page

ESSENTIAL 2 20M÷70M

Hiwall indoor unit for Multi Split systems

WHY CHOOSE ESSENTIAL 2?

- ✓ Silent mode
- ✓ Clean, rounded and elegant design
- ✓ Single Split/Multi Split compatible

FOLLOW-ME

1. Standard temperature sensor
2. Temperature sensor can be activated

COMFORT

Follow Me · Turbo · Mute Operation · 12-grades indo- or Fan speed · Anti-cold air · Temperature Compensation · Auto swing · Multidirec- tional Airflow

RELIABILITY

Self-diagnosis Function · Auto-defrosting · Low Ambient Cooling

CONVENIENCE

Manual ON/OFF · Single/Multi Compatible · Louver Position Mermory · Auto-restart · 2-way Draining · Timer

ENERGY SAVING

Sleep

HEALTH

High Density Filter · Cold Catalyst Filter

NEW

REMOTE CONTROL RG10A4-D-BGEF *(standard)*

IL3-XY

technical data

Indoor Unit			IL3-XY	20M	27M	35M	53M	70M
Configuration code				AAKLQ00001	AAKLQ10001	AAKLQ20001	AAKLQ40001	AAKLQ60001
Cooling capacity	Standard		Btu/h	8.000	9.000	12.000	18.000	24.000
			kW	2,3	2,6	3,5	5,3	7,0
Heating capacity	Standard		Btu/h	9.000	9.500	13.000	19.000	25.000
			kW	2,6	2,8	3,8	5,6	7,3
Dimensioni	Unit	L x D x H	mm	722x187x290	722x187x290	802x189x297	965x215x319	1080x226x335
	Packaging	L x D x H	mm	790x270x370	790x270x370	875x285x375	1045x305x410	1155x415x320
Weight	Unit/Packaging		kg	7,3/9,7	7,3/9,7	8,6/11,1	10,9/14,2	13,7/17,3
Air filter	Type		-			CCF		
Airflow		Hi/Mid/Lo	m³/h	416/309/230	416/309/230	584/477/395	730/500/420	1020/830/640
Sound power level		Hi	dB(A)	54	54	56	58	63
Sound pressure level		Hi/Mi/Lo	dB(A)	8,6/7,1/4,3	8,6/7,1/4,3	8,5/7,6/4,9	12,1/8,3/7,0	17,0/13,8/10,6
Operating range	Cooling	Indoor T.	°C	17~32	17~32	17~32	17~32	17~32
	Heating	Outdoor T.	°C	0~30	0~30	0~30	0~30	0~30
Refrigerant piping	External diameters	Liquid-Gas	mm	Φ6,35 - Φ9,52	Φ6,35 - Φ9,52	Φ6,35 - Φ9,52	Φ6,35 - Φ12,7	Φ9,52 - Φ15,9
			inch.	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	3/8" - 5/8"
Control systems	Infrared remote control		-			RG10A4-D-BGEF		
	Settable temperature		°C			17~30		
Power supply	Voltage/Frequency/Phases		V/Hz/n°			230 / 50 / 1		

[1] SEER and SCOP data, related energy ratings and annual energy consumption in accordance with EN14825 measurement standard.

Fan speed: Hi=Hight; Mid=Medium; Lo=Low;
CCF = Cold Catalyst

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

accessories

Standard

RG10A4-D-BGEF	Infrared remote control for CRISTALLO/ESSENTIAL 2 indoor units of the 2022 range

NATIV 27M÷70M

25 dB(A)

A++
A+

Single Split / Multi Split reversible heat pump with Hiwall indoor unit

WHY CHOOSE NATIV?

- ✓ Full range: Single Split 9.000 ÷ 24.000 Btu/h, Multi Split 9.000 ÷ 24.000 Btu/h
- ✓ Compatible with Single & Multi Split systems
- ✓ Optional: Wi-Fi for the remote management with NetHome Plus application for Android and iOS

COMFORT

Follow Me · Turbo · 12-grades indoor Fan speed · Anti-cold air Function · Temperature compensation · Auto swing

RELIABILITY

Self-diagnosis Function · Auto defrosting · Low Ambient Cooling

CONVENIENCE

Manual ON/OFF · Single/Multi Compatible · Louver Position Memory · Auto Restart Function · 2-way Draining · Timer · Automatic correction of the connection error (Multi Split)

ENERGY SAVING

Sleep mode

HEALTH

High Density Filter · Cold Catalyst Filter

OPTIONAL

WIFI Control

Wi-Fi NWMX *(optional)*

REMOTE CONTROL RG57 *(standard)*

IZ2-XY

MM2-Y

technical data

Indoor unit				IZ2-XY	27M	35M	53M	70M
Configuration code					AAKZQ10001	AAKZQ20001	AAKZQ40001	AAKZQ60001
Cooling capacity	Standard			Btu/h	9.000	12.000	18.000	24.000
				kW	2,6	3,5	5,3	7,0
Heating capacity	Standard			Btu/h	10.000	13.000	19.000	25.000
				kW	2,9	3,8	5,6	7,3
Dimensions	Unit	L x D x H		mm	805x194x285	805x194x285	957x213x302	1040x220x327
	Packaging	L x D x H		mm	870x270x365	870x270x365	1035x295x385	1120x405x315
Weight	Unit/Packaging			kg	7,5/9,7	7,5/9,7	10,0/13,0	12,3/15,8
Air filter	Type			-	CCF	CCF	CCF	CCF
Airflow		Hi/Mid/Lo		m3/h	520/460/340	600/500/360	840/680/540	980/817/662
Sound power level		Hi		dB(A)	54	53	55	59
Sound pressure level		Hi/Mid/Lo		dB(A)	40/30/26/21	40/34/26/22	44/37/30/25	44,5/42/34,5/28
Operating range	Cooling	Indoor T.		°C	17~32	17~32	17~32	17~32
	Heating	Indoor T.		°C	0~30	0~30	0~30	0~30
Refrigerant piping	External diameters	Liquid-Gas		mm	Φ6,35 - Φ9,52	Φ6,35 - Φ9,52	Φ6,35 - Φ12,7	Φ9,52 - Φ15,9
				inch.	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	3/8" - 5/8"
Control systems	Infrared remote control			-	RG57			
	Settable temperature			°C	17~30	17~30	17~30	17~30
Power supply	Voltage/Frequency/Phases			V/Hz/n°	230 / 50 / 1			

accessories

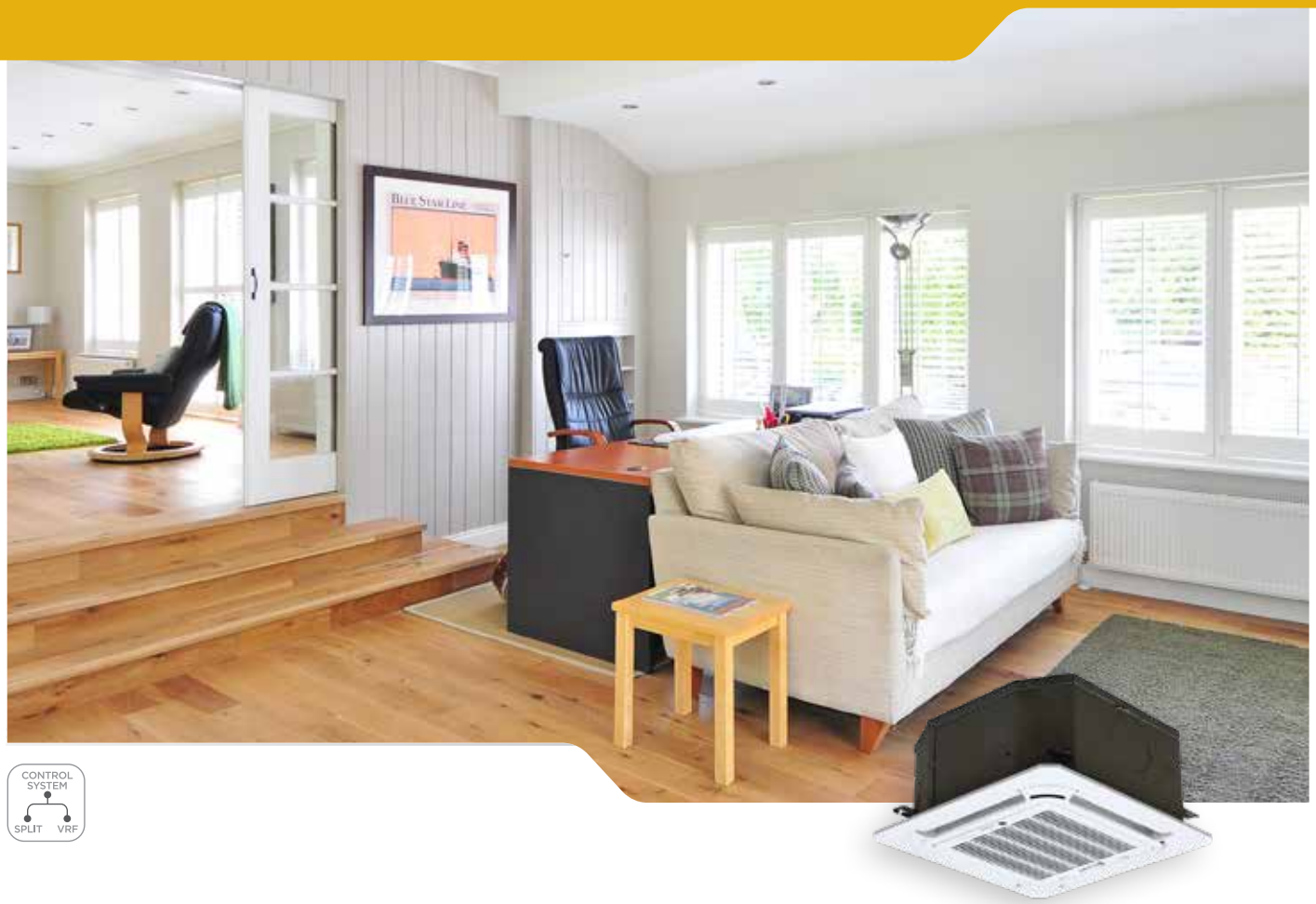
Standard

RG57	Infrared remote control for indoor units

Optionals

Control systems	(learn more at Control System page)

BOX 2 650x650 27M÷53M



CONTROL SYSTEM
SPLIT VRF

Cassette indoor unit for Multi Split systems

WHY CHOOSE BOX 2?

- ✓ Multi Split/Light Commercial compatible
- ✓ Compact design for standard 60x60cm modules
- ✓ Integrated condensate discharge pump, 750 mm$H_2$0 of static pressure
- ✓ Predisposition to operate with a fresh air fraction

RESERVED REMOTE ON-OFF AND ALARM PORTS

Possibility to manage with an on/off window contact and to activate a remote alarm (vibration, light, etc.)

BUILD-IN DRAIN PUMP

Available pressure: 750mm H_2O

COMFORT

Follow Me · Turbo · Mute Operation (NEW) · Stepless control compressor (NEW) · Anti-cold air Function · Temperature Compensation · Auto swing

RELIABILITY

Self-diagnosis Function · Auto defrosting · Low Ambient Cooling · Build-in Drain Pump

CONVENIENCE

Manual ON/OFF · Contact ON/OFF · Error Alarm Port · Louver Position Mermory · Auto Restart Function · Timer

ENERGY SAVING

Sleep Mode

HEALTH

Fresh Air

OPTIONAL

Wired control · Central Control Mangement · BMS Communication · Wi-Fi Control · Weekley Timer (NEW)

PANEL 650X650
T-MBQ4-03B4
(mandatory accessory)

Wi-Fi
WF-60A1-C
(optional)

WIRED REMOTE CONTROL
KJR-120X2-TFBG-E
(optional)

REMOTE CONTROL
RG10A-D2S-BGEF
(standard)

IB3-XY

technical data

Indoor unit			IB3-XY	27M	35M	53M
Configuration code				AAKBQ10001	AAKBQ20001	AAKBQ40001
Cooling capacity	Standard		Btu/h	9.000	12.000	18.000
			kW	2,6	3,5	5,3
Heating capacity	Standard		Btu/h	10.000	14.000	18.500
			kW	2,9	4,1	5,4
Dimensions	Unit	L x D x H	mm	570x570x260	570x570x260	570x570x260
	Packaging (Unit)	L x D x H	mm	662x662x317	662x662x317	662x662x317
	Panel		mm	647x647x50	647x647x50	647x647x50
	Packaging (Panel)		mm	715x715x123	715x715x123	715x715x123
Weight	Unit / Packaging		kg	14,7/19,3	16,2/21,4	16,2/21,4
	Panel / Packaging		kg	2,5/4,5	2,5/4,5	2,5/4,5
Air filter	Type		-	R/W	R/W	R/W
Airflow		Hi/Mid/Lo	m³/h	580/500/450	617/504/415	680/560/500
Sound power level		Hi	dB(A)	53	56	56
Sound pressure level		Hi/Mid/Lo	dB(A)	38/33/29	41/37/34	44/42/41
Operating range	Cooling	Indoor T.	°C BS	17~32	17~32	17~32
	Heating	Indoor T.	°C BU	0~30	0~30	0~30
Refrigerant piping	External diameters	Liquid-Gas	mm	Φ6,35 - Φ9,52	Φ6,35 - Φ9,52	Φ6,35 - Φ12,7
			inch.	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"
Control systems	Infrared remote control		-		RG10A-D2S-BGEF	
	Settable temperature		°C		17~30	
Power supply	Voltage/Frequency/Phases		V/Hz/n°		230 / 50 / 1	

R/W = Removable/Washable

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

accessories

Standard

RG10A-D2S-BGEF	Infrared remote control for Duct/ Box/ C&F 2022 range indoor units

Optionals

T-MBQ4-03B4	Panel for Box 2 650x650, 360° air delivery, round hole grill (Mandatory accessory, to be selected separately)
WF-60A1-C	Smart port kit for the hiwall indoor unit management via Wi-Fi (it includes the adaptor and the USB key)
Control systems	Learn more at Control System page

DUCT 2 27M÷53M

CONTROL SYSTEM
SPLIT VRF

Ductable indoor unit for Multi Split systems

WHY CHOOSE DUCT 2?

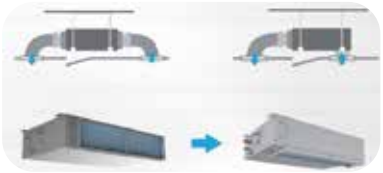
- ✓ Multi Split/Light Commercial compatible
- ✓ Constant airflow function: the fan adapts the static pressure to the pressure drops
- ✓ Air return from the back or from below modifiable directly from the building site
- ✓ Integrated condensate discharge pump, 750 mm$H_2$0 of static pressure

BUILD-IN DRAIN PUMP

Available pressure:
750 mm H_2O

FLEXIBLE INSTALLATION

The air intake can be modified in the building site:
air intake from rear
air intake from bottom



CONSTANT AIRFLOW CONTROL

With constant air volume control technology, optimal airflow cools every room appropriately with both short pipes and long pipes.

COMFORT

Follow Me · Turbo · Mute Operation (NEW) · Stepless control compressor (NEW) · Anti-cold air · Temperature Compensation

RELIABILITY

Self-diagnosis Function · Auto defrosting · Low Ambient Cooling · Build-in Drain Pump

CONVENIENCE

Remote ON/OFF · Error Alarm Port · Auto-restart · Timer

ENERGY SAVING

Sleep

HEALTH

Fresh Air

OPTIONAL

Wired Control · Central Control Management · BMS Communication · Wi-Fi Control · Weekly scheduler

Wi-Fi
WF-60A1-C
(optional)

WIRED REMOTE CONTROL
KJR-120X2-TFBG-E
(optional)

REMOTE CONTROL
RG10A-D2S-BGEF
(standard)

ID3-XY

technical data

Indoor unit			ID3-XY	27M	35M	53M
Configuration code				AAKDQ10001	AAKDQ20001	AAKDQ40001
Cooling capacity	Standard		Btu/h	9.000	12.000	18.000
			kW	2,6	3,5	5,3
Heating capacity	Standard		Btu/h	10.000	13.000	19.000
			kW	2,9	3,8	5,6
Dimensions	Unit	L x D x H	mm	700x450x200	700x450x200	880x674x210
	Packaging	L x D x H	mm	860x540x275	860x540x275	1070x725x280
Weight	Unit/Packaging		kg	18/22	18/22	24.3/29.6
Air filter	Type		-	R/W	R/W	R/W
Airflow		Hi/Mid/Lo	m³/h	500/340/230	600/480/300	880/650/350
Available pressure		Std (Min-Max)	Pa	25 (0-60)	25 (0-60)	25 (0-100)
Sound power level		Hi	dB(A)	58	59	59
Sound pressure level		Hi/Mid/Lo	dB(A)	40/34,5/27,5	40/34,5/27,5	41,5/38/33
Operating range	Cooling	Indoor T.	°C BS	17~32	17~32	17~32
	Heating	Indoor T.	°C BU	0~30	0~30	0~30
Refrigerant piping	External diameters	Liquid-Gas	mm	Φ6,35 - Φ9,52	Φ6,35 - Φ9,52	Φ6,35 - Φ12,7
			inch.	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"
Control systems	Infrared remote control		-		RG10A-D2S-BGEF	
	Settable temperature		°C		17~30	
Power supply	Voltage/Frequency/Phases		V/Hz/n°		230 / 50 / 1	

R/W = Removable/Washable

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

accessories

Standard

RG10A-D2S-BGEF	Infrared remote control for Duct/ Box/ C&F 2022 range indoor units 2022

Optionals

WF-60A1-C	Smart port kit for the hiwall indoor unit management via Wi-Fi (it includes the adaptor and the USB key)
Control systems	Learn more at Control System page

CEILING & FLOOR 2 53M

Ceiling and floor indoor unit for Multi Split systems

WHY CHOOSE CEILING & FLOOR 2?

- ✓ Multi Split/Light Commercial compatible
- ✓ Vertical or horizontal, ceiling or floor installation
- ✓ Predisposition to operate with a fresh air fraction

SLIM DESIGN

Redesigned internal parts for durability and a slimmer chassis. The new air conditioner is slimmer and lighter than before.

MULTIDIRECTIONAL AIRFLOW

Vertical air flow and horizontal airflow can be adjusted by remote controller to direct air flow t every cornerw of the room.

COMFORT

Follow Me · Turbo · Mute Operation (NEW) · Stepless control compressor (NEW) · Anti-cold air · Multi directional Airflow · Temperature Compensation

RELIABILITY

Self-diagnosis Function · Auto defrosting · Low Ambient Cooling

CONVENIENCE

Remote Timer On/Off · Error Alarm Port · Louver Position Memory · Auto Restart Function · 2-way Draining · Timer

ENERGY SAVING

Sleep

HEALTH

Fresh Air

OPTIONAL

Wired Control · Central Control Management · BMS Communication · Wi-Fi control · Weekly scheduler

Wi-Fi
WF-60A1-C
(optional)

WIRED REMOTE CONTROL
KJR-120X2-TFBG-E
(optional)

REMOTE CONTROL
RG10A-D2S-BGEF
(standard)

IF3-XY

technical data

Indoor unit			IF3-XY	53M
Configuration code				AALFQ40001
Cooling capacity	Standard		Btu/h	18.000
			kW	5,3
Heating capacity	Standard		Btu/h	19.000
			kW	5,6
Dimensions	Unit	L x D x H	mm	1068x675x235
	Packaging	L x D x H	mm	1145x755x318
Weight	Unit/Packaging		kg	25,0/29,7
Air filter	Type		-	CCF
Airflow		Hi/Mid/Lo	m³/h	958/839/723
Sound power level		Hi	dB(A)	57
Sound pressure level		Hi/Mid/Lo	dB(A)	43,5/41/36,5/24
Operating range	Cooling	Indoor T.	°C BS	17~32
	Heating	Indoor T.	°C BU	0~30
Refrigerant piping	External diameters	Liquid-Gas	mm	Φ6,35 - Φ12,7
			inch.	1/4" - 1/2"
Control systems	Infrared remote control		-	RG10A-D2S-BGEF
	Settable temperature		°C	17~30
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1

R/W = Removable/Washable

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

accessories

Standard	
RG10A-D2S-BGEF	Infrared remote control for Duct/ Box/ C&F 2022 range indoor units

Optionals	
WF-60A1-C	Smart port kit for the not hinwall indoor unit management via Wi-Fi (it includes adaptor and USB key)
Control systems	(Learn more at Control System page)

HYDRO-M 80M

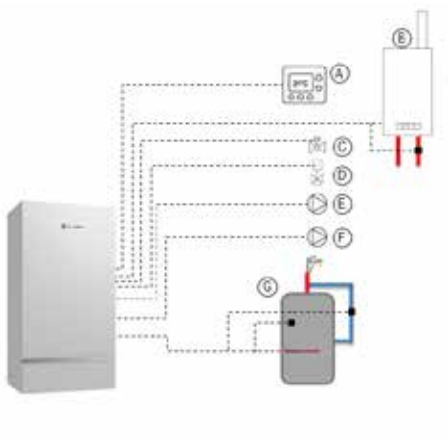
Wi-Fi READY

32 dB(A)

WHY CHOOSING HYDRO-M?

- ✓ Smart management as standard: via smartphone with the NetHome Plus App.
- ✓ Compact and easy to install module
- ✓ Production of hot water for Heating or Domestic Hot Water (in combination with DHW cylinder)
- ✓ Combination with other indoor air units

MANAGEMENT OF MANY PLANT ELEMENTS



- A-zone thermostat
- B-auxiliary heat source-AHS
  - ON/OFF signal
  - temperature probe TW1B
- C-2-way valve (normally closed): blocks water access to the radiant distribution system
- D-3-way valves for system / DHW switching
- E-pump secondary circuit
- F-DHW recirculation pump / mixed zone pum
- G-DHW boiler
  - electric resistance
  - temperature probe
  - DHW return probe (for recirculation)

COMFORT

Hot Water (Heating / DHW)

RELIABILITY

Auxiliary heating source

Back-up electrical heater

CONVENIENCE

Remote ON/OFF

Wi-Fi Control

Auto Restart Function

Weekly scheduler

HEALTH

Anti-legionella

ENERGY SAVING

Holiday away

Wi-Fi NWMX *(Standard)*

BUILT-IN CONTROLLER KJR-120J-TFBG-E *(Standard)*

IHM1-Y

technical data

Indoor unit				IHM1-Y	80M
Configuration code					AAIHP00001
Heating	Capacity	Water 35/30°C	Btu/h		27.300
		Outdoor air 7°C	kW		8,0
		Water 35/30°C	Btu/h		27.000
		Outdoor air -7°C	kW		7,9
		Water 45/40°C	Btu/h		27.300
		Outdoor air 7°C	kW		8,0
		Water 55/50°C	Btu/h		27.300
		Outdoor air 7°C	kW		8,0
Seasonal efficiency	Heating 55°C	Energy efficiency class	-		A+
		SCOP	-		2,93
		ηs (seasonal yield)	%		114%
	Heating 35°C	Energy efficiency class	-		A++
		SCOP	-		4,26
		ηs (seasonal yield)	%		167%
Dimensioni	Unit	L x D x H	mm		490x325x918
	Packaging	L x D x H	mm		570x415x1.055
Weight	Unit/Packaging	-	kg		56/64
Water flow		Standard	l/s		0,38
Pump head		Standard	kPa		78,5
System tank volume		-	l		5
System water content		Minimum	l		30
Back-up electrical heater	Power	-	W		3.100
	Current	-	A		13,5
Sound power level		-	dB(A)		44
Sound pressure level		-	dB(A)		32
Water supply temperature	Heating	Min / Max	°C		25~60
	DHW	Min / Max	°C		35~55
Operating range (outdoor air)	Heating	Min / Max	°C		-20~24
	DHW	Min / Max	°C		-20~43
Refrigerant piping	Liquid-Gas	-	mm		Φ6,35 - Φ12,7
			inch.		1/4" - 1/2"
Water piping	System	mm	mm		Φ28*
	Drainage	mm	mm		Φ16
		inch.	inch.		5/8"
Control systems	Built-in control		-		HMI
Power supply	Voltage/Frequency/Phases		V/Hz/n°		230 / 50 / 1

accessories

Standard

NWMX	Wi-Fi kit for indoor units

Optionals

DHW boilers and acessories	Learn more at Accessories section

COMBINATION TABLES

Outdoor unit: MU2-Y 41M (DUAL)

COOLING

OUTDOOR UNIT	INDOOR UNIT		COOLING CAP. [KW]		TOTAL COOLING CAPACITY [KW]			POWER INPUT [KW]			TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY (EN14825)			
	A	B	A	B	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2-Y 41M (1x1)	20M 8.000	—	2,30	—	1,23	2,00	2,90	0,30	0,62	0,77	1,30	2,68	3,34	3,25	—	—	—	—
	27M 9.000	—	2,50	—	1,23	2,50	3,20	0,30	0,77	0,96	1,30	3,34	4,18	3,25	—	—	—	—
	35M 12.000	—	3,50	—	1,23	3,50	3,90	0,30	1,08	1,35	1,30	4,68	5,85	3,25	—	—	—	—
	53M 18.000	—	4,10	—	1,35	4,10	4,90	0,40	1,27	1,59	1,74	5,52	6,90	3,23	—	—	—	—
MU2-Y 41M (1x2)	20M 8.000	20M 8.000	2,30	2,30	1,76	4,10	4,92	0,44	1,27	1,59	1,93	5,52	6,90	3,23	A+	6,80	4,10	211
	20M 8.000	27M 9.000	1,79	2,31	1,76	4,10	4,92	0,44	1,27	1,59	1,93	5,52	6,90	3,23	A+	6,80	4,10	211
	20M 8.000	35M 12.000	1,51	2,59	1,76	4,10	4,92	0,44	1,27	1,59	1,93	5,52	6,90	3,23	A+	6,80	4,10	211
	27M 9.000	27M 9.000	2,05	2,05	1,76	4,10	4,92	0,44	1,27	1,59	1,93	5,52	6,90	3,23	A+	6,80	4,10	211
	27M 9.000	35M 12.000	1,76	2,34	1,76	4,10	4,92	0,44	1,27	1,59	1,93	5,52	6,90	3,23	A+	6,80	4,10	211

Notes Pd = Pdesign CEA = Consumo Energetico Annuo

HEATING

OUTDOOR UNIT	INDOOR UNIT		HEATING CAP. [KW]		TOTAL HEATING CAPACITY [KW			POWER INPUT [KW]			TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY (EN14825)			
	A	B	A	B	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU2-Y 41M (1x1)	20M 8.000	—	2,45	—	1,32	2,50	2,82	0,28	0,67	0,83	1,22	2,90	3,62	3,75	—	—	—	—
	27M 9.000	—	2,92	—	1,32	2,90	3,36	0,28	0,78	0,97	1,22	3,38	4,23	3,73	—	—	—	—
	35M 12.000	—	3,75	—	1,32	3,80	4,31	0,28	1,02	1,28	1,22	4,44	5,55	3,72	—	—	—	—
	53M 18.000	—	4,40	—	1,45	4,40	5,24	0,38	1,19	1,48	1,65	5,16	6,45	3,71	—	—	—	—
MU2-Y 41M (1x2)	20M 8.000	20M 8.000	2,20	2,20	1,89	4,40	5,28	0,42	1,19	1,48	1,80	5,16	6,45	3,71	A	4,00	3,70	1295
	20M 8.000	27M 9.000	1,93	2,48	1,89	4,40	5,28	0,42	1,19	1,48	1,80	5,16	6,45	3,71	A	4,00	3,70	1295
	20M 8.000	35M 12.000	1,62	2,78	1,89	4,40	5,28	0,42	1,19	1,48	1,80	5,16	6,45	3,71	A	4,00	3,70	1295
	27M 9.000	27M 9.000	2,20	2,20	1,89	4,40	5,28	0,42	1,19	1,48	1,80	5,16	6,45	3,71	A	4,00	3,70	1295
	27M 9.000	35M 12.000	1,89	2,51	1,89	4,40	5,28	0,42	1,19	1,48	1,80	5,16	6,45	3,71	A	4,00	3,70	1295

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 53M (DUAL)

COOLING

OUTDOOR UNIT	INDOOR UNIT		COOLING CAP. [KW]		TOTAL COOLING CAPACITY [KW]			POWER INPUT [KW]			TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY (EN14825)			
	A	B	A	B	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2-Y 53M (1x1)	20M 8.000	—	2,30	—	1,43	2,00	2,90	0,35	0,60	0,75	1,52	2,60	3,24	3,35	—	—	—	—
	27M 9.000	—	2,50	—	1,43	2,50	3,20	0,35	0,75	0,93	1,52	3,24	4,06	3,35	—	—	—	—
	35M 12.000	—	3,50	—	1,43	3,50	3,90	0,35	1,08	1,29	1,52	4,68	5,62	3,25	—	—	—	—
	53M 18.000	—	5,00	—	1,64	5,00	5,51	0,45	1,55	1,89	1,96	6,73	8,20	3,23	—	—	—	—
MU2-Y 53M (1x2)	20M 8.000	20M 8.000	2,30	2,30	2,12	5,00	5,62	0,54	1,47	2,05	2,35	6,38	8,92	3,41	A+	6,10	5,30	304
	20M 8.000	27M 9.000	2,19	2,81	2,12	5,00	5,83	0,54	1,55	2,05	2,35	6,73	8,92	3,23	A+	6,10	5,30	304
	20M 8.000	35M 12.000	1,84	3,16	2,12	5,00	6,41	0,54	1,55	2,05	2,35	6,73	8,92	3,23	A+	6,10	5,30	304
	20M 8.000	53M 18.000	1,40	3,63	2,12	5,00	6,47	0,54	1,54	2,05	2,35	6,69	8,92	3,25	A+	6,10	5,30	304
	27M 9.000	27M 9.000	2,65	2,65	2,12	5,30	6,41	0,54	1,64	2,05	2,35	7,13	8,92	3,23	A+	6,10	5,30	304
	27M 9.000	35M 12.000	2,27	3,03	2,12	5,30	6,41	0,54	1,64	2,05	2,35	7,13	8,92	3,23	A+	6,10	5,30	304
	27M 9.000	53M 18.000	1,77	3,53	2,12	5,30	6,47	0,54	1,64	2,05	2,35	7,13	8,92	3,23	A+	6,10	5,30	304
	35M 12.000	35M 12.000	2,65	2,65	2,12	5,30	6,41	0,54	1,64	2,05	2,35	7,13	8,92	3,23	A+	6,10	5,30	304

Notes Pd = Pdesign CEA = Consumo Energetico Annuo

HEATING

OUTDOOR UNIT	INDOOR UNIT		HEATING CAP. [KW]		TOTAL HEATING CAPACITY [KW			POWER INPUT [KW]			TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY (EN14825)			
	A	B	A	B	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU2-Y 53M (1x1)	20M 8.000	—	2,45	—	1,56	2,50	3,03	0,32	0,67	0,83	1,39	2,90	3,62	3,75	—	—	—	—
	27M 9.000	—	3,00	—	1,56	3,00	3,63	0,32	0,80	1,00	1,39	3,48	4,35	3,75	—	—	—	—
	35M 12.000	—	3,80	—	1,56	3,80	4,60	0,32	1,00	1,20	1,39	4,34	5,20	3,81	—	—	—	—
	53M 18.000	—	5,20	—	1,73	5,20	5,79	0,42	1,35	1,88	1,83	5,87	8,16	3,85	—	—	—	—
MU2-Y 53M (1x2)	20M 8.000	20M 8.000	2,50	2,50	2,23	5,00	6,04	0,51	1,35	1,88	2,22	5,86	8,16	3,71	A	4,00	4,30	1505
	20M 8.000	27M 9.000	2,32	2,98	2,23	5,30	6,13	0,51	1,43	1,88	2,22	6,21	8,16	3,71	A	4,00	4,30	1505
	20M 8.000	35M 12.000	2,03	3,47	2,23	5,50	6,36	0,51	1,48	1,88	2,22	6,45	8,16	3,71	A	4,00	4,30	1505
	20M 8.000	53M 18.000	1,60	4,14	2,23	5,70	6,60	0,51	1,54	1,88	2,22	6,68	8,16	3,71	A	4,00	4,30	1505
	27M 9.000	27M 9.000	2,79	2,79	2,23	5,57	6,68	0,51	1,50	1,88	2,22	6,53	8,16	3,71	A	4,00	4,30	1505
	27M 9.000	35M 12.000	2,39	3,18	2,23	5,57	6,68	0,51	1,50	1,88	2,22	6,53	8,16	3,71	A	4,00	4,30	1505
	27M 9.000	53M 18.000	1,86	3,71	2,23	5,57	6,68	0,51	1,50	1,88	2,22	6,53	8,16	3,71	A	4,00	4,30	1505
	35M 12.000	35M 12.000	2,79	2,79	2,23	5,57	6,68	0,51	1,50	1,88	2,22	6,53	8,16	3,71	A	4,00	4,30	1505

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 61M (TRIPLE)

OUTDOOR UNIT	INDOOR UNIT			COOLING CAP. [KW]			TOTAL COOLING CAPACITY [KW]			POWER INPUT [KW]			TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	A	B	C	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2Y 61M (1x1)	20M 8.000	—	—	2,30	—	—	1,46	2,00	2,90	0,38	0,62	0,77	1,65	2,69	3,37	3,23	—	—	—	—
	27M 9.000	—	—	2,50	—	—	1,46	2,50	3,20	0,38	0,77	0,97	1,65	3,37	4,21	3,23	—	—	—	—
	35M 12.000	—	—	3,50	—	—	1,46	3,50	3,90	0,38	1,08	1,30	1,65	4,71	5,65	3,23	—	—	—	—
	53M 18.000	—	—	5,00	—	—	1,67	5,00	6,50	0,48	1,55	1,78	2,09	6,73	7,74	3,23	—	—	—	—
MU2Y 61M (1x2)	20M 8.000	20M 8.000	—	2,30	2,30	—	2,05	4,20	5,58	0,58	1,30	1,92	2,50	5,65	8,35	3,23	A+	5,60	4,20	263
	20M 8.000	27M 9.000	—	2,06	2,64	—	2,05	4,70	5,89	0,58	1,46	2,02	2,50	6,33	8,76	3,23	A+	5,60	4,70	294
	20M 8.000	35M 12.000	—	1,95	3,35	—	2,05	5,30	6,20	0,58	1,64	2,11	2,50	7,13	9,18	3,23	A+	5,60	5,30	331
	20M 8.000	53M 18.000		1,76	4,54	—	2,05	6,30	6,94	0,58	1,95	2,21	2,50	8,48	9,60	3,23	A+	5,60	6,10	381
	27M 9.000	27M 9.000	—	2,65	2,65	—	2,05	5,30	6,51	0,58	1,64	2,11	2,50	7,13	9,18	3,23	A+	5,60	5,30	331
	27M 9.000	35M 12.000	—	2,57	3,43	—	2,05	6,00	6,70	0,58	1,86	2,15	2,50	8,08	9,35	3,23	A+	5,60	6,00	375
	27M 9.000	53M 18.000	—	2,10	4,20	—	2,05	6,30	6,94	0,58	1,94	2,21	2,50	8,45	9,60	3,24	A+	5,60	6,10	381
	35M 12.000	35M 12.000	—	3,10	3,10	—	2,05	6,20	6,94	0,58	1,92	2,21	2,50	8,35	9,60	3,23	A+	5,60	6,10	381
MU2-Y 61M (1x3)	20M 8.000	20M 8.000	20M 8.000	2,30	2,30	2,30	2,48	6,20	7,32	0,69	1,92	2,40	3,00	8,35	10,43	3,23	A++	6,50	6,10	328
	20M 8.000	20M 8.000	27M 9.000	1,89	1,89	2,43	2,48	6,20	7,38	0,69	1,92	2,40	3,00	8,35	10,43	3,23	A++	6,50	6,10	328
	20M 8.000	20M 8.000	35M 12.000	1,67	1,67	2,86	2,48	6,20	7,44	0,69	1,92	2,40	3,00	8,35	10,43	3,23	A++	6,50	6,10	328
	20M 8.000	27M 9.000	27M 9.000	1,74	2,23	2,23	2,48	6,20	7,44	0,69	1,92	2,40	3,00	8,35	10,43	3,23	A++	6,50	6,10	328
	20M 8.000	27M 9.000	35M 12.000	1,55	1,99	2,66	2,48	6,20	7,44	0,69	1,92	2,40	3,00	8,35	10,43	3,23	A++	6,50	6,10	328
	27M 9.000	27M 9.000	27M 9.000	2,07	2,07	2,07	2,48	6,20	7,44	0,69	1,92	2,40	3,00	8,35	10,43	3,23	A++	6,50	6,10	328
	27M 9.000	27M 9.000	35M 12.000	1,86	1,86	2,48	2,48	6,20	7,44	0,69	1,92	2,40	3,00	8,35	10,43	3,23	A++	6,50	6,10	328

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 61M (TRIPLE)

OUTDOOR UNIT	INDOOR UNIT			HEATING CAPACITY [KW]			TOTAL HATING CAPACITY [KW]			HEATING POWER INPUT [KW]			HEATING TOTAL CURRENT. [A]			COP	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	A	B	C	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU2-Y 61M (1x1)	20M 8.000	—	—	2,50	—	—	1,46	2,50	3,03	0,35	0,67	0,84	1,52	2,93	3,66	3,71	—	—	—	—
	27M 9.000	—	—	3,00	—	—	1,46	3,00	3,63	0,35	0,81	1,01	1,52	3,52	4,39	3,71	—	—	—	—
	35M 12.000	—	—	3,80	—	—	1,46	3,80	4,60	0,35	1,02	1,23	1,52	4,45	5,34	3,71	—	—	—	—
	53M 18.000	—	—	5,20	—	—	1,74	5,20	6,63	0,45	1,40	2,00	1,96	6,09	8,68	3,71	—	—	—	—
MU2-Y 61M (1x2)	20M 8.000	20M 8.000	—	2,50	2,50	—	2,13	5,00	5,80	0,52	1,35	1,74	2,26	5,86	7,55	3,71	A	3,80	4,00	1474
	20M 8.000	27M 9.000	—	2,45	3,15	—	2,13	5,60	6,12	0,52	1,51	1,82	2,26	6,56	7,92	3,71	A	3,80	4,48	1651
	20M 8.000	35M 12.000	—	2,17	3,73	—	2,13	5,90	6,44	0,52	1,59	1,91	2,26	6,91	8,30	3,71	A	3,80	4,80	1768
	20M 8.000	53M 18.000		1,82	4,68	—	2,13	6,50	7,21	0,52	1,75	2,00	2,26	7,62	8,68	3,71	A+	3,80	5,12	1886
	27M 9.000	27M 9.000	—	2,95	2,95	—	2,13	5,90	6,76	0,52	1,59	1,91	2,26	6,91	8,30	3,71	A	3,80	4,80	1768
	27M 9.000	35M 12.000	—	2,70	3,60	—	2,13	6,30	6,96	0,52	1,70	1,94	2,26	7,38	8,45	3,71	A+	3,80	5,12	1886
	27M 9.000	53M 18.000	—	2,20	4,40	—	2,13	6,60	7,21	0,52	1,78	2,00	2,26	7,73	8,68	3,71	A+	3,80	5,12	1886
	35M 12.000	35M 12.000	—	3,15	3,15	—	2,13	6,30	7,21	0,52	1,70	2,00	2,26	7,38	8,68	3,71	A+	3,80	5,12	1886
MU2-Y 61M (1x3)	20M 8.000	20M 8.000	20M 8.000	2,15	2,15	2,15	2,25	6,44	7,60	0,62	1,74	2,17	2,72	7,55	9,43	3,71	A+	4,00	5,40	1890
	20M 8.000	20M 8.000	27M 9.000	1,96	1,96	2,52	2,25	6,44	7,60	0,62	1,74	2,17	2,72	7,55	9,43	3,71	A+	4,00	5,40	1890
	20M 8.000	20M 8.000	35M 12.000	1,73	1,73	2,97	2,25	6,44	7,73	0,62	1,74	2,17	2,72	7,55	9,43	3,71	A+	4,00	5,40	1890
	20M 8.000	27M 9.000	27M 9.000	1,80	2,32	2,32	2,25	6,44	7,73	0,62	1,74	2,17	2,72	7,55	9,43	3,71	A+	4,00	5,40	1890
	20M 8.000	27M 9.000	35M 12.000	1,61	2,07	2,76	2,25	6,44	7,73	0,62	1,74	2,17	2,72	7,55	9,43	3,71	A+	4,00	5,40	1890
	27M 9.000	27M 9.000	27M 9.000	2,15	2,15	2,15	2,25	6,44	7,73	0,62	1,74	2,17	2,72	7,55	9,43	3,71	A+	4,00	5,40	1890
	27M 9.000	27M 9.000	35M 12.000	1,93	1,93	2,58	2,25	6,44	7,73	0,62	1,74	2,17	2,72	7,55	9,43	3,71	A+	4,00	5,40	1890

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 79M (TRIPLE)

OUTDOOR UNIT	INDOOR UNIT			COOLING CAPACITY [KW]			COOLING TOTAL CAPACITY [KW]			COOLING POWER INPUT [KW]			COOLIN TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	A	B	C	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2-Y 79M (1x1)	20M 8.000	—	—	2,00	—	—	1,58	2,00	2,90	0,40	0,62	0,77	1,74	2,71	3,39	3,23	—	—	—	—
	27M 9.000	—	—	2,50	—	—	1,58	2,50	3,20	0,40	0,77	0,97	1,74	3,39	4,23	3,23	—	—	—	—
	35M 12.000	—	—	3,50	—	—	1,58	3,50	3,90	0,40	1,08	1,30	1,74	4,74	5,69	3,23	—	—	—	—
	53M 18.000	—	—	5,00	—	—	1,78	5,00	6,50	0,50	1,55	1,78	2,17	6,77	7,79	3,23	—	—	—	—
MU2-Y 79M (1x2)	20M 8.000	20M 7.000	—	2,10	2,10	—	2,21	4,20	6,32	0,64	1,30	2,08	2,77	5,69	9,07	3,23	A++	6,10	4,20	241
	20M 8.000	27M 9.000	—	2,06	2,64	—	2,21	4,70	6,72	0,64	1,46	2,20	2,77	6,37	9,60	3,23	A++	6,10	4,70	270
	20M 8.000	35M 12.000	—	1,95	3,35	—	2,21	5,30	7,11	0,64	1,64	2,45	2,77	7,18	10,67	3,23	A++	6,10	5,30	304
	20M 8.000	53M 18.000	—	1,82	4,68	—	2,21	6,50	7,90	0,64	2,01	2,69	2,77	8,80	11,73	3,23	A++	6,10	6,50	373
	27M 9.000	27M 9.000	—	2,65	2,65	—	2,21	5,30	7,11	0,64	1,64	2,45	2,77	7,18	10,67	3,23	A++	6,10	5,30	304
	27M 9.000	35M 12.000	—	2,57	3,43	—	2,21	6,00	7,51	0,64	1,86	2,57	2,77	8,13	11,20	3,23	A++	6,10	6,00	344
	27M 9.000	53M 18.000	—	2,27	4,53	—	2,21	6,80	7,90	0,64	2,09	2,69	2,77	9,15	11,73	3,25	A++	6,10	6,80	390
	35M 12.000	35M 12.000	—	3,15	3,15	—	2,21	6,30	7,66	0,64	1,94	2,64	2,77	8,51	11,52	3,24	A++	6,10	6,30	361
	35M 12.000	53M 18.000	—	2,72	4,08	—	2,21	6,80	7,90	0,64	2,09	2,69	2,77	9,15	11,73	3,25	A++	6,10	6,80	390
MU2-Y 79M (1x3)	20M 8.000	20M 7.000	20M 7.000	2,43	2,43	2,43	2,77	7,30	8,69	0,76	2,26	2,91	3,31	9,86	12,69	3,23	A++	6,50	7,30	393
	20M 8.000	20M 7.000	27M 9.000	2,25	2,25	2,90	2,77	7,40	8,69	0,76	2,29	2,91	3,31	9,99	12,69	3,23	A++	6,50	7,40	398
	20M 8.000	20M 7.000	35M 12.000	2,13	2,13	3,65	2,77	7,90	8,69	0,76	2,45	2,91	3,31	10,67	12,69	3,23	A++	6,50	7,90	425
	20M 8.000	20M 7.000	53M 18.000	1,73	1,73	4,44	2,77	7,90	8,69	0,76	2,43	2,91	3,31	10,60	12,69	3,25	A++	6,50	7,90	425
	20M 8.000	27M 9.000	27M 9.000	2,13	2,74	2,74	2,77	7,60	8,69	0,76	2,35	2,91	3,31	10,26	12,69	3,23	A++	6,50	7,60	409
	20M 8.000	27M 9.000	35M 12.000	1,98	2,54	3,39	2,77	7,90	8,69	0,76	2,45	2,91	3,31	10,67	12,69	3,23	A++	6,50	7,90	425
	20M 8.000	27M 9.000	53M 18.000	1,63	2,09	4,18	2,77	7,90	8,69	0,76	2,43	2,91	3,31	10,60	12,69	3,25	A++	6,50	7,90	425
	20M 8.000	35M 12.000	35M 12.000	1,78	3,06	3,06	2,77	7,90	8,69	0,76	2,43	2,91	3,31	10,63	12,69	3,25	A++	6,50	7,90	425
	27M 9.000	27M 9.000	27M 9.000	2,63	2,63	2,63	2,77	7,90	8,69	0,76	2,45	2,91	3,31	10,67	12,69	3,23	A++	6,50	7,90	425
	27M 9.000	27M 9.000	35M 12.000	2,37	2,37	3,16	2,77	7,90	8,69	0,76	2,43	2,91	3,31	10,63	12,69	3,25	A++	6,50	7,90	425
	27M 9.000	35M 12.000	35M 12.000	2,15	2,87	2,87	2,77	7,90	8,69	0,76	2,43	2,91	3,31	10,60	12,69	3,25	A++	6,50	7,90	425
	35M 12.000	35M 12.000	35M 12.000	2,63	2,63	2,63	2,77	7,90	8,69	0,76	2,43	2,91	3,31	10,60	12,69	3,25	A++	6,50	7,90	425

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 79M (TRIPLE)

HEATING

OUTDOOR UNIT	INDOOR UNIT			HEATING CAP. [KW]			TOTAL HEATING CAPACITY. [KW]			HEATING POWER INPUT [KW]			HEATING TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	A	B	C	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU2-Y 79M (1x1)	20M 8.000	—	—	2,50	—	—	1,64	2,50	2,90	0,40	0,67	0,84	1,74	2,91	3,64	3,73	—	—	—	—
	27M 9.000	—	—	3,00	—	—	1,64	3,00	3,20	0,40	0,80	1,01	1,74	3,50	4,37	3,73	—	—	—	—
	35M 12.000	—	—	3,80	—	—	1,64	3,80	3,90	0,40	1,02	1,22	1,74	4,43	5,32	3,73	—	—	—	—
	53M 18.000	—	—	5,20	—	—	1,89	5,20	7,22	0,50	1,39	1,59	2,17	6,03	6,93	3,75	—	—	—	—
MU2-Y 79M (1x2)	20M 8.000	20M 8.000	—	2,50	2,50	—	2,30	5,00	6,56	0,57	1,34	1,87	2,49	5,83	8,12	3,73	A	3,80	4,80	1768
	20M 8.000	27M 9.000	—	2,45	3,15	—	2,30	5,60	6,97	0,57	1,50	1,98	2,49	6,53	8,60	3,73	A	3,80	5,00	1842
	20M 8.000	35M 12.000	—	2,21	3,79	—	2,30	6,00	7,38	0,57	1,61	2,20	2,49	6,99	9,56	3,73	A	3,80	5,10	1879
	20M 8.000	53M 18.000	—	1,96	5,04	—	2,30	7,00	8,20	0,57	1,88	2,42	2,49	8,16	10,51	3,73	A	3,80	5,10	1879
	27M 9.000	27M 9.000	—	3,00	3,00	—	2,30	6,00	7,38	0,57	1,61	2,20	2,49	6,99	9,56	3,73	A	3,80	5,10	1879
	27M 9.000	35M 12.000	—	2,70	3,60	—	2,30	6,30	7,79	0,57	1,69	2,31	2,49	7,34	10,04	3,73	A	3,80	5,10	1879
	27M 9.000	53M 18.000	—	2,33	4,67	—	2,30	7,00	8,20	0,57	1,88	2,42	2,49	8,16	10,51	3,73	A	3,80	5,10	1879
	35M 12.000	35M 12.000	—	3,25	3,25	—	2,30	6,50	7,95	0,57	1,74	2,37	2,49	7,58	10,32	3,73	A	3,80	5,10	1879
	35M 12.000	53M 18.000	—	2,80	4,20	—	2,30	7,00	8,20	0,57	1,88	2,42	2,49	8,16	10,51	3,73	A	3,80	5,10	1879
MU2-Y 79M (1x3)	20M 8.000	20M 8.000	20M 8.000	2,73	2,73	2,73	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	20M 8.000	20M 8.000	27M 9.000	2,50	2,50	3,21	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	20M 8.000	20M 8.000	35M 12.000	2,21	2,21	3,78	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	20M 8.000	20M 8.000	53M 18.000	1,79	1,79	4,61	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	20M 8.000	27M 9.000	27M 9.000	2,30	2,95	2,95	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	20M 8.000	27M 9.000	35M 12.000	2,35	2,64	3,51	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	20M 8.000	27M 9.000	53M 18.000	1,69	2,17	4,34	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	20M 8.000	35M 12.000	35M 12.000	1,85	3,17	3,17	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	27M 9.000	27M 9.000	27M 9.000	2,73	2,73	2,73	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	27M 9.000	27M 9.000	35M 12.000	2,46	2,46	3,28	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	27M 9.000	35M 12.000	35M 12.000	2,24	2,98	2,98	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995
	35M 12.000	35M 12.000	35M 12.000	2,73	2,73	2,73	2,87	8,20	9,84	0,68	2,20	2,75	2,96	9,56	11,95	3,73	A+	4,00	5,70	1995

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 82M (QUADRI)

OUTDOOR UNIT	INDOOR UNIT				COOLING CAPACITY [KW]				COOLING TOTAL CAPACITY [KW]			COOLING POWER INPUT [KW]			COOLING TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D	A	B	C	D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2-Y 82M (1x1)	20M 8.000	—	—	—	2,30	—	—	—	1,52	2,00	2,90	0,40	0,62	0,77	1,74	2,69	3,37	3,23	—	—	—	—
	27M 9.000	—	—	—	2,50	—	—	—	1,52	2,50	3,20	0,40	0,77	0,97	1,74	3,37	4,21	3,23	—	—	—	—
	35M 12.000	—	—	—	3,50	—	—	—	1,52	3,50	3,90	0,40	1,08	1,30	1,74	4,71	5,65	3,23	—	—	—	—
	53M 18.000	—	—	—	5,00	—	—	—	1,72	5,00	6,50	0,50	1,55	1,78	2,17	6,73	7,74	3,23	—	—	—	—
MU2-Y 82M (1x2)	20M 8.000	20M 8.000	—	—	2,10	2,10	—	—	2,05	4,20	6,07	0,63	1,30	2,03	2,76	5,65	8,83	3,23	A	5,10	4,20	288
	20M 8.000	27M 9.000	—	—	2,36	2,64	—	—	2,05	4,70	6,40	0,63	1,46	2,16	2,76	6,33	9,38	3,23	A	5,10	4,70	323
	20M 8.000	35M 12.000	—	—	1,95	3,35	—	—	2,05	5,30	6,81	0,63	1,64	2,28	2,76	7,13	9,93	3,23	A	5,10	5,30	364
	20M 8.000	53M 18.000	—	—	1,96	5,04	—	—	2,05	7,00	7,54	0,63	2,17	2,79	2,76	9,42	12,14	3,23	A	5,10	7,00	480
	27M 9.000	27M 9.000	—	—	2,65	2,65	—	—	2,05	5,30	6,81	0,63	1,64	2,28	2,76	7,13	9,93	3,23	A	5,10	5,30	364
	27M 9.000	35M 12.000	—	—	2,57	3,43	—	—	2,05	6,00	6,97	0,63	1,86	2,41	2,76	8,08	10,49	3,23	A	5,10	6,00	412
	27M 9.000	53M 18.000	—	—	2,43	4,87	—	—	2,05	7,30	7,54	0,63	2,26	2,79	2,76	9,83	12,14	3,23	A	5,10	7,30	501
	35M 12.000	35M 12.000	—	—	3,25	3,25	—	—	2,05	6,50	7,38	0,63	2,01	2,49	2,76	8,75	10,82	3,23	A	5,10	6,50	446
	35M 12.000	53M 18.000	—	—	2,92	4,38	—	—	2,05	7,30	7,54	0,63	2,26	2,79	2,76	9,83	12,14	3,23	A	5,10	7,30	501
	53M 18.000	53M 18.000	—	—	3,75	3,75	—	—	2,05	7,50	7,54	0,63	2,32	2,79	2,76	10,10	12,14	3,23	A	5,10	7,50	515
MU2-Y 82M (1x3)	20M 8.000	20M 8.000	20M 8.000	—	2,30	2,30	2,30	—	2,62	6,00	8,45	0,76	1,86	2,94	3,31	8,08	12,80	3,23	A+	6,50	6,00	323
	20M 8.000	20M 8.000	27M 9.000	—	1,98	1,98	2,54	—	2,62	6,50	8,45	0,76	2,01	2,94	3,31	8,75	12,80	3,23	A+	6,50	6,50	350
	20M 8.000	20M 8.000	35M 12.000	—	1,91	1,91	3,28	—	2,62	7,10	8,45	0,76	2,20	2,94	3,31	9,56	12,80	3,23	A+	6,50	7,10	382
	20M 8.000	20M 8.000	53M 18.000	—	1,71	1,71	4,39	—	2,62	7,80	8,45	0,76	2,41	2,94	3,31	10,50	12,80	3,23	A+	6,50	7,80	420
	20M 8.000	27M 9.000	27M 9.000	—	1,90	2,45	2,68	—	2,62	6,80	8,45	0,76	2,11	2,94	3,31	9,15	12,80	3,23	A+	6,50	6,80	366
	20M 8.000	27M 9.000	35M 12.000	—	1,88	2,41	3,21	—	2,62	7,50	8,45	0,76	2,32	2,94	3,31	10,10	12,80	3,23	A+	6,50	7,50	404
	20M 8.000	27M 9.000	53M 18.000	—	1,61	2,36	4,13	—	2,62	7,80	8,45	0,76	2,41	2,94	3,31	10,50	12,80	3,23	A+	6,50	7,80	420
	20M 8.000	35M 12.000	35M 12.000	—	1,76	3,02	3,02	—	2,62	7,80	8,45	0,76	2,41	2,94	3,31	10,50	12,80	3,23	A+	6,50	7,80	420
	20M 8.000	35M 12.000	53M 18.000	—	1,48	2,53	3,79	—	2,62	7,80	8,45	0,76	2,41	2,94	3,31	10,50	12,80	3,23	A+	6,50	7,80	420
	27M 9.000	27M 9.000	27M 9.000	—	2,37	2,37	2,37	—	2,62	7,10	8,45	0,76	2,20	2,94	3,31	9,56	12,80	3,23	A+	6,50	7,10	382
	27M 9.000	27M 9.000	35M 12.000	—	2,34	2,34	3,12	—	2,62	7,80	8,45	0,76	2,41	2,94	3,31	10,50	12,80	3,23	A+	6,50	7,80	420
	27M 9.000	27M 9.000	53M 18.000	—	1,95	1,95	3,90	—	2,62	7,80	8,45	0,76	2,41	2,94	3,31	10,50	12,80	3,23	A+	6,50	7,80	420
	27M 9.000	35M 12.000	35M 12.000	—	2,13	2,84	2,84	—	2,62	7,80	8,45	0,76	2,41	2,94	3,31	10,50	12,80	3,23	A+	6,50	7,80	420
	27M 9.000	35M 12.000	53M 18.000	—	1,80	2,40	3,60	—	2,62	7,80	8,45	0,76	2,41	2,94	3,31	10,50	12,80	3,23	A+	6,50	7,80	420
	35M 12.000	35M 12.000	35M 12.000	—	2,60	2,60	2,60	—	2,62	7,80	8,45	0,76	2,41	2,94	3,31	10,50	12,80	3,23	A+	6,50	7,80	420

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 82M (QUADRI)

COOLING

OUTDOOR UNIT	INDOOR UNIT				COOLING CAPACITY [KW]				COOLING TOTAL CAPACITY [KW]			COOLING POWER INPUT [KW]			COOLING TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY(EN14825)			
	A	B	C	D	A	B	C	D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2-Y 82M (1x4)	20M 8.000	20M 8.000	20M 8.000	20M 8.000	2,30	2,30	2,30	2,30	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	1,91	1,91	1,91	2,46	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	1,74	1,74	1,74	2,98	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410
	20M 8.000	20M 8.000	20M 8.000	53M 18.000	1,47	1,47	1,47	3,78	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	1,79	1,79	2,31	2,31	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410
	20M 8.000	20M 8.000	27M 9.000	35M 12.000	1,64	1,64	2,11	2,81	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410
	20M 8.000	20M 8.000	35M 12.000	35M 12.000	1,51	1,51	2,59	2,59	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	1,69	2,17	2,17	2,17	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410
	20M 8.000	27M 9.000	27M 9.000	35M 12.000	1,55	1,99	1,99	2,66	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410
	20M 8.000	27M 9.000	35M 12.000	35M 12.000	1,44	1,85	2,46	2,46	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410
	27M 9.000	**27M 9.000**	**27M 9.000**	**27M 9.000**	**2,35**	**2,35**	**2,35**	**2,35**	**2,87**	**8,20**	**9,92**	**0,86**	**2,54**	**3,17**	**3,75**	**11,04**	**13,80**	**3,23**	**A++**	**7,00**	**8,20**	**410**
	27M 9.000	27M 9.000	27M 9.000	35M 12.000	1,89	1,89	1,89	2,52	2,87	8,20	9,92	0,86	2,54	3,17	3,75	11,04	13,80	3,23	A++	7,00	8,20	410

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU1-Y 82M (QUADRI)

OUTDOOR UNIT	INDOOR UNIT				HEATING CAPACITY [KW]				TOTAL HEATING CAPACITY [KW]			HEATING POWER INPUT [KW]			HEATING TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY(EN14825)			
	A	B	C	D	A	B	C	D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU2-Y 82M (1x1)	20M 8.000	—	—	—	2,50	—	—	—	1,63	2,50	2,90	0,40	0,67	0,83	1,74	2,90	3,62	3,75	—	—	—	—
	27M 9.000	—	—	—	3,00	—	—	—	1,63	3,00	3,20	0,40	0,80	1,00	1,74	3,48	4,35	3,75	—	—	—	—
	35M 12.000	—	—	—	3,80	—	—	—	1,63	3,80	3,90	0,40	1,01	1,22	1,74	4,41	5,29	3,75	—	—	—	—
	53M 18.000	—	—	—	5,60	—	—	—	1,85	5,60	6,78	0,50	1,48	1,70	2,17	6,44	7,41	3,78	—	—	—	—
MU2-Y 82M (1x2)	20M 8.000	20M 8.000	—	—	2,50	2,50	—	—	2,20	5,00	6,51	0,59	1,31	1,90	2,58	5,71	8,25	3,81	A	3,40	3,85	1585
	20M 8.000	27M 9.000	—	—	2,45	3,15	—	—	2,20	5,60	6,86	0,59	1,47	2,02	2,58	6,39	8,77	3,81	A	3,40	4,31	1776
	20M 8.000	35M 12.000	—	—	2,21	3,79	—	—	2,20	6,00	7,30	0,59	1,57	2,13	2,58	6,85	9,28	3,81	A	3,40	4,62	1902
	20M 8.000	53M 18.000	—	—	2,18	5,62	—	—	2,20	7,80	8,10	0,59	2,03	2,61	2,58	8,81	11,34	3,85	A	3,40	6,01	2473
	27M 9.000	27M 9.000	—	—	3,00	3,00	—	—	2,20	6,00	7,30	0,59	1,57	2,13	2,58	6,85	9,28	3,81	A	3,40	4,62	1902
	27M 9.000	35M 12.000	—	—	3,00	4,00	—	—	2,20	7,00	7,48	0,59	1,84	2,25	2,58	7,99	9,80	3,81	A	3,40	5,39	2219
	27M 9.000	53M 18.000	—	—	2,63	5,27	—	—	2,20	7,90	8,10	0,59	2,05	2,61	2,58	8,92	11,34	3,85	A	3,40	6,08	2505
	35M 12.000	35M 12.000	—	—	3,75	3,75	—	—	2,20	7,50	7,92	0,59	1,97	2,32	2,58	8,56	10,11	3,81	A	3,40	5,78	2378
	35M 12.000	53M 18.000	—	—	3,20	4,80	—	—	2,20	8,00	8,10	0,59	2,08	2,61	2,58	9,03	11,34	3,85	A	3,40	6,08	2505
	53M 18.000	53M 18.000	—	—	4,00	4,00	—	—	2,20	8,00	8,10	0,59	2,08	2,61	2,58	9,03	11,34	3,85	A	3,40	6,08	2505
MU2-Y 82M (1x3)	20M 8.000	20M 8.000	20M 8.000	—	2,33	2,33	2,33	—	2,82	7,00	9,06	0,71	1,89	2,75	3,09	8,20	11,96	3,71	A	3,50	5,39	2156
	20M 8.000	20M 8.000	27M 9.000	—	2,37	2,37	3,05	—	2,82	7,80	9,06	0,71	2,10	2,75	3,09	9,14	11,96	3,71	A	3,50	6,01	2402
	20M 8.000	20M 8.000	35M 12.000	—	2,26	2,26	3,88	—	2,82	8,40	9,06	0,71	2,26	2,75	3,09	9,84	11,96	3,71	A	3,50	6,10	2440
	20M 8.000	20M 8.000	53M 18.000	—	1,88	1,88	4,84	—	2,82	8,60	9,06	0,71	2,32	2,75	3,09	10,08	11,96	3,71	A	3,50	6,20	2480
	20M 8.000	27M 9.000	27M 9.000	—	2,35	3,02	2,68	—	2,82	8,40	9,06	0,71	2,26	2,75	3,09	9,84	11,96	3,71	A	3,50	6,10	2440
	20M 8.000	27M 9.000	35M 12.000	—	2,13	2,73	3,64	—	2,82	8,50	9,06	0,71	2,29	2,75	3,09	9,96	11,96	3,71	A	3,50	6,20	2480
	20M 8.000	27M 9.000	53M 18.000	—	1,77	2,28	4,55	—	2,82	8,60	9,06	0,71	2,32	2,75	3,09	10,08	11,96	3,71	A	3,50	6,20	2480
	20M 8.000	35M 12.000	35M 12.000	—	1,94	3,33	3,33	—	2,82	8,60	9,06	0,71	2,32	2,75	3,09	10,08	11,96	3,71	A	3,50	6,20	2480
	20M 8.000	35M 12.000	53M 18.000	—	1,63	2,79	4,18	—	2,82	8,60	9,06	0,71	2,32	2,75	3,09	10,08	11,96	3,71	A	3,50	6,20	2480
	27M 9.000	27M 9.000	27M 9.000	—	2,87	2,87	2,87	—	2,82	8,60	9,06	0,71	2,32	2,75	3,09	10,08	11,96	3,71	A	3,50	6,20	2480
	27M 9.000	27M 9.000	35M 12.000	—	2,58	2,58	3,44	—	2,82	8,60	9,06	0,71	2,32	2,75	3,09	10,08	11,96	3,71	A	3,50	6,20	2480
	27M 9.000	27M 9.000	53M 18.000	—	2,15	2,15	4,30	—	2,82	8,60	9,06	0,71	2,32	2,75	3,09	10,08	11,96	3,71	A	3,50	6,20	2480
	27M 9.000	35M 12.000	35M 12.000	—	2,35	3,13	3,13	—	2,82	8,60	9,06	0,71	2,32	2,75	3,09	10,08	11,96	3,71	A	3,50	6,20	2480
	27M 9.000	35M 12.000	53M 18.000	—	1,98	2,65	3,97	—	2,82	8,60	9,06	0,71	2,32	2,75	3,09	10,08	11,96	3,71	A	3,50	6,20	2480
	35M 12.000	35M 12.000	35M 12.000	—	2,87	2,87	2,87	—	2,82	8,60	9,06	0,71	2,32	2,75	3,09	10,08	11,96	3,71	A	3,50	6,20	2480

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 82M (QUADRI)

HEATING

OUTDOOR UNIT	INDOOR UNIT				HEATING CAPACITY [KW]				HEATING TOTAL CAPACITY [KW]			HEATING POWER INPUT [KW]			HEATING TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY(EN14825)			
	A	B	C	D	A	B	C	D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU2-Y 82M (1x4)	20M 8.000	20M 8.000	20M 8.000	20M 8.000	2,20	2,20	2,20	2,20	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	2,35	2,35	2,35	2,64	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	1,87	1,87	1,87	3,20	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	20M 8.000	20M 8.000	20M 8.000	53M 18.000	1,58	1,58	1,58	4,06	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	1,93	1,93	2,48	2,48	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	20M 8.000	20M 8.000	27M 9.000	35M 12.000	1,76	1,76	2,26	3,02	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	20M 8.000	20M 8.000	35M 12.000	35M 12.000	1,62	1,62	2,78	2,78	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	1,81	2,33	2,33	2,33	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	20M 8.000	27M 9.000	27M 9.000	35M 12.000	1,66	2,14	2,14	2,85	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	20M 8.000	27M 9.000	35M 12.000	35M 12.000	1,54	1,98	2,64	2,64	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	2,20	2,20	2,20	2,20	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275
	27M 9.000	27M 9.000	27M 9.000	35M 12.000	2,33	2,33	2,33	2,71	3,08	8,80	10,65	0,81	2,37	2,96	3,51	10,31	12,89	3,71	A	4,00	6,50	2275

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU1-Y 105M (QUADRI)

OUTDOOR UNIT	INDOOR UNIT				COOLING CAPACITY [KW]				COOLING TOTAL CAPACITY [KW]			COOLING POWER INPUT [KW]			COOLING TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY(EN14825)			
	A	B	C	D	A	B	C	D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2-Y 105M (1x1)	20M 8.000	—	—	—	2,00	—	—	—	1,58	2,00	2,90	0,45	0,61	0,76	1,96	2,85	3,56	3,28	—	—	—	—
	27M 9.000	—	—	—	2,50	—	—	—	1,58	2,50	3,20	0,45	0,76	0,95	1,96	3,56	4,45	3,28	—	—	—	—
	35M 12.000	—	—	—	3,50	—	—	—	1,58	3,50	3,90	0,45	1,07	1,28	1,96	4,99	5,99	3,28	—	—	—	—
	53M 18.000	—	—	—	5,00	—	—	—	1,79	5,00	6,50	0,58	1,52	1,75	2,52	7,13	8,20	3,28	—	—	—	—
	70M 24.000	—	—	—	7,00	—	—	—	2,21	7,00	8,00	0,62	2,13	2,45	2,70	9,98	11,48	3,28	—	—	—	—
	HYDRO-M	—	—	—	10,60	—	—	—	-	10,60	-	-	3,50	-	-	-	-	3,01	A++	6,10	10,60	613
MU2-Y 105M (1x2)	20M 8.000	20M 8.000	—	—	2,10	2,10	—	—	2,21	4,20	6,30	0,62	1,28	2,11	2,89	5,99	9,89	3,28	A++	6,10	4,20	241
	20M 8.000	27M 9.000	—	—	2,06	2,64	—	—	2,21	4,70	6,51	0,62	1,43	2,28	2,89	6,70	10,65	3,28	A++	6,10	4,70	270
	20M 8.000	35M 12.000	—	—	2,03	3,47	—	—	2,21	5,50	6,83	0,62	1,68	2,44	2,89	7,84	11,41	3,28	A++	6,10	5,50	316
	20M 8.000	53M 18.000	—	—	1,96	5,04	—	—	2,21	7,00	8,40	0,62	2,13	2,86	2,89	9,98	13,39	3,28	A++	6,10	7,00	402
	20M 8.000	70M 24.000	—	—	2,03	6,97	—	—	2,21	9,00	9,45	0,62	2,74	3,06	2,89	12,83	14,30	3,28	A++	6,10	9,00	516
	27M 9.000	27M 9.000	—	—	2,65	2,65	—	—	2,21	5,30	6,83	0,62	1,62	2,44	2,89	7,56	11,41	3,28	A++	6,10	5,30	304
	27M 9.000	35M 12.000	—	—	2,57	3,43	—	—	2,21	6,00	7,35	0,62	1,83	2,60	2,89	8,55	12,17	3,28	A++	6,10	6,00	344
	27M 9.000	53M 18.000	—	—	2,50	5,00	—	—	2,21	7,50	9,45	0,62	2,29	2,93	2,89	10,69	13,70	3,28	A++	6,10	7,50	430
	27M 9.000	70M 24.000	—	—	2,59	6,91	—	—	2,21	9,50	9,98	0,62	2,90	3,12	2,89	13,54	14,61	3,28	A++	6,10	9,50	545
	35M 12.000	35M 12.000	—	—	3,50	3,50	—	—	2,21	7,00	7,88	0,62	2,13	2,76	2,89	9,98	12,93	3,28	A++	6,10	7,00	402
	35M 12.000	53M 18.000	—	—	3,40	5,10	—	—	2,21	8,50	9,98	0,62	2,59	2,93	2,89	12,12	13,70	3,28	A++	6,10	8,50	488
	35M 12.000	70M 24.000	—	—	3,33	6,67	—	—	2,21	10,00	10,50	0,62	3,09	3,19	2,89	14,44	14,91	3,24	A++	6,10	10,00	574
MU2-Y 105M (1x3)	20M 8.000	20M 8.000	20M 8.000	—	2,00	2,00	2,00	—	2,84	6,00	7,35	0,78	1,80	2,93	3,65	8,42	13,70	3,33	A++	6,30	6,00	333
	20M 8.000	20M 8.000	27M 9.000	—	1,98	1,98	2,54	—	2,84	6,50	7,88	0,78	1,98	3,09	3,65	9,27	14,46	3,28	A++	6,30	6,50	361
	20M 8.000	20M 8.000	35M 12.000	—	2,02	2,02	3,46	—	2,84	7,50	8,93	0,78	2,29	3,25	3,65	10,69	15,22	3,28	A++	6,30	7,50	417
	20M 8.000	20M 8.000	53M 18.000	—	1,97	1,97	5,06	—	2,84	9,00	11,55	0,78	2,74	3,58	3,65	12,83	16,74	3,28	A++	6,30	9,00	500
	20M 8.000	20M 8.000	70M 24.000	—	1,84	1,84	6,32	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	20M 8.000	27M 9.000	27M 9.000	—	1,96	2,52	2,52	—	2,84	7,00	8,93	0,78	2,13	3,25	3,65	9,98	15,22	3,28	A++	6,30	7,00	389
	20M 8.000	27M 9.000	35M 12.000	—	2,00	2,57	3,43	—	2,84	8,00	9,98	0,78	2,44	3,41	3,65	11,40	15,98	3,28	A++	6,30	8,00	444
	20M 8.000	27M 9.000	53M 18.000	—	1,96	2,51	5,03	—	2,84	9,50	11,55	0,78	2,93	3,58	3,65	13,72	16,74	3,24	A++	6,30	9,50	528
	20M 8.000	27M 9.000	70M 24.000	—	1,75	2,25	6,00	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	20M 8.000	35M 12.000	35M 12.000	—	2,03	3,48	3,48	—	2,84	9,00	10,50	0,78	2,78	3,41	3,65	13,00	15,98	3,24	A++	6,30	9,00	500
	20M 8.000	35M 12.000	53M 18.000	—	1,89	3,24	4,86	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	20M 8.000	35M 12.000	70M 24.000	—	1,63	2,79	5,58	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	20M 8.000	53M 18.000	53M 18.000	—	1,63	4,19	4,19	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	27M 9.000	27M 9.000	27M 9.000	—	2,50	2,50	2,50	—	2,84	7,50	9,98	0,78	2,31	3,41	3,65	10,83	15,98	3,24	A++	6,30	7,50	417
	27M 9.000	27M 9.000	35M 12.000	—	2,55	2,55	3,40	—	2,84	8,50	10,50	0,78	2,62	3,41	3,65	12,28	15,98	3,24	A++	6,30	8,50	472
	27M 9.000	27M 9.000	53M 18.000	—	2,50	2,50	5,00	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	27M 9.000	27M 9.000	70M 24.000	—	2,14	2,14	5,71	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	27M 9.000	35M 12.000	35M 12.000	—	2,59	3,45	3,45	—	2,84	9,50	11,55	0,78	2,93	3,58	3,65	13,72	16,74	3,24	A++	6,30	9,50	528
	27M 9.000	35M 12.000	53M 18.000	—	2,31	3,08	4,62	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU1-Y 105M (QUADRI)

OUTDOOR UNIT	INDOOR UNIT				COOLING CAPACITY [KW]				TOTAL COOLING CAPACITY [KW]			COOLING POWER INPUT [KW]			COOLING TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D	A	B	C	D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2-Y 105M (1x3)	27M 9.000	35M 12.000	70M 24.000	—	2,00	2,67	5,33	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	27M 9.000	53M 18.000	53M 18.000	—	2,00	4,00	4,00	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	35M 12.000	35M 12.000	35M 12.000	—	3,33	3,33	3,33	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	35M 12.000	35M 12.000	53M 18.000	—	2,86	2,86	4,29	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	35M 12.000	35M 12.000	70M 24.000	—	2,50	2,50	5,00	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
	35M 12.000	53M 18.000	53M 18.000	—	2,50	3,75	3,75	—	2,84	10,00	11,55	0,78	3,09	3,58	3,65	14,44	16,74	3,24	A++	6,30	10,00	556
MU2-Y 105M (1x4)	20M 8.000	20M 8.000	20M 8.000	20M 8.000	2,05	2,05	2,05	2,05	3,68	8,20	10,50	0,88	2,29	3,25	4,11	10,64	15,22	3,58	A++	6,50	8,20	442
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	1,98	1,98	1,98	2,55	3,68	8,50	11,55	0,88	2,47	3,41	4,11	11,51	15,98	3,44	A++	6,50	8,50	458
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	2,02	2,02	2,02	3,45	3,68	9,50	12,60	0,88	2,86	3,84	4,11	13,37	17,96	3,32	A++	6,50	9,50	512
	20M 8.000	20M 8.000	20M 8.000	53M 18.000	1,87	1,87	1,87	4,80	3,68	10,40	13,65	0,88	3,22	3,97	4,11	15,07	18,57	3,23	A++	6,50	10,40	560
	20M 8.000	20M 8.000	20M 8.000	70M 24.000	1,63	1,63	1,63	5,60	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	1,97	1,97	2,53	2,53	3,68	9,00	12,60	0,88	2,71	3,84	4,11	12,66	17,96	3,32	A++	6,50	9,00	485
	20M 8.000	20M 8.000	27M 9.000	35M 12.000	2,00	2,00	2,57	3,43	3,68	10,00	13,13	0,88	3,09	3,90	4,11	14,44	18,26	3,24	A++	6,50	10,00	538
	20M 8.000	20M 8.000	27M 9.000	53M 18.000	1,79	1,79	2,30	4,61	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	20M 8.000	27M 9.000	70M 24.000	1,56	1,56	2,01	5,36	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	20M 8.000	35M 12.000	35M 12.000	1,93	1,93	3,32	3,32	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	20M 8.000	35M 12.000	53M 18.000	1,67	1,67	2,86	4,30	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	20M 8.000	53M 18.000	53M 18.000	1,47	1,47	3,78	3,78	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	1,96	2,51	2,51	2,51	3,68	9,50	13,13	0,88	2,92	3,84	4,11	13,68	17,96	3,25	A++	6,50	9,50	512
	20M 8.000	27M 9.000	27M 9.000	35M 12.000	1,99	2,55	2,55	3,41	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	27M 9.000	27M 9.000	53M 18.000	1,71	2,20	2,20	4,40	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	27M 9.000	27M 9.000	70M 24.000	1,50	1,93	1,93	5,14	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	27M 9.000	35M 12.000	35M 12.000	1,84	2,36	3,15	3,15	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	27M 9.000	35M 12.000	53M 18.000	1,60	2,05	2,74	4,11	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	27M 9.000	53M 18.000	53M 18.000	1,41	1,82	3,63	3,63	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	35M 12.000	35M 12.000	35M 12.000	1,71	2,93	2,93	2,93	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	20M 8.000	35M 12.000	35M 12.000	53M 18.000	1,50	2,57	2,57	3,86	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	2,63	2,63	2,63	2,63	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	27M 9.000	27M 9.000	27M 9.000	35M 12.000	2,42	2,42	2,42	3,23	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	27M 9.000	27M 9.000	27M 9.000	53M 18.000	2,10	2,10	2,10	4,20	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	27M 9.000	27M 9.000	35M 12.000	35M 12.000	2,25	2,25	3,00	3,00	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	27M 9.000	27M 9.000	35M 12.000	53M 18.000	1,97	1,97	2,63	3,94	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	27M 9.000	35M 12.000	35M 12.000	35M 12.000	2,10	2,80	2,80	2,80	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	27M 9.000	35M 12.000	35M 12.000	53M 18.000	1,85	2,47	2,47	3,71	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565
	35M 12.000	35M 12.000	35M 12.000	35M 12.000	2,63	2,63	2,63	2,63	3,68	10,50	13,65	0,88	3,25	3,97	4,11	15,22	18,57	3,23	A++	6,50	10,50	565

replaceable indoor unit with HYDRO-M hydronic module

Notes Pd = Pdesign CEA = Annual Energy Consumption

Note: Hydraulic module and direct expansion indoor units cannot operate at the same time.

COMBINATION TABLES

Outdoor unit: MU1-Y 105M (QUADRI)

OUTDOOR UNIT	INDOOR UNIT				HEATING CAPACITY [KW]				TOTAL HEATING CAPACITY [KW]			HEATING POWER INPUT [KW]			HEATING TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY(EN14825)			
	A	B	C	D	A	B	C	D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU2-Y 105M (1x1)	20M 8.000	—	—	—	2,50	—	—	—	1,67	2,50	2,90	0,45	0,67	0,84	1,96	3,00	3,75	3,71	—	—	—	—
	27M 9.000	—	—	—	3,00	—	—	—	1,67	3,00	3,20	0,45	0,81	1,01	1,96	3,60	4,50	3,71	—	—	—	—
	35M 12.000	—	—	—	3,80	—	—	—	1,67	3,80	3,90	0,45	1,02	1,23	1,96	4,56	5,48	3,71	—	—	—	—
	53M 18.000	—	—	—	5,20	—	—	—	1,89	5,20	7,00	0,55	1,40	1,61	2,39	6,74	7,76	3,71	—	—	—	—
	70M 24.000	—	—	—	7,20	—	—	—	1,89	7,20	8,00	0,58	1,94	2,23	2,52	8,79	10,11	3,71	—	—	—	—
	HYDRO-M	—	—	—	11,10	—	—	—	-	11,10	-	-	3,00	-	-	-	-	3,71	A	3,80	8,80	3246
MU2-Y 105M (1x2)	20M 8.000	20M 8.000	—	—	2,50	2,50	—	—	2,33	5,00	6,66	0,57	1,35	1,94	2,51	5,99	8,57	3,71	A	3,50	4,34	1736
	20M 8.000	27M 9.000	—	—	2,45	3,15	—	—	2,33	5,60	6,88	0,57	1,51	2,09	2,51	6,71	9,23	3,71	A	3,50	3,88	1550
	20M 8.000	35M 12.000	—	—	2,21	3,79	—	—	2,33	6,00	7,22	0,57	1,62	2,24	2,51	7,19	9,89	3,71	A	3,50	4,34	1736
	20M 8.000	53M 18.000	—	—	2,24	5,76	—	—	2,33	8,00	8,88	0,57	2,16	2,63	2,51	9,61	11,60	3,71	A	3,40	4,65	1915
	20M 8.000	70M 24.000	—	—	2,17	7,43	—	—	2,33	9,60	10,77	0,57	2,59	2,81	2,51	11,53	12,39	3,71	A	3,40	4,65	1915
	27M 9.000	27M 9.000	—	—	3,00	3,00	—	—	2,33	6,00	7,22	0,57	1,62	2,24	2,51	7,19	9,89	3,71	A	3,50	6,20	2480
	27M 9.000	35M 12.000	—	—	3,00	4,00	—	—	2,33	7,00	7,77	0,57	1,89	2,39	2,51	8,38	10,55	3,71	A	3,50	4,65	1860
	27M 9.000	53M 18.000	—	—	2,93	5,87	—	—	2,33	8,80	9,99	0,57	2,37	2,69	2,51	10,57	11,87	3,71	A	3,40	5,43	2234
	27M 9.000	70M 24.000	—	—	2,67	7,13	—	—	2,33	9,80	10,66	0,57	2,64	2,84	2,51	11,77	12,53	3,71	A	3,40	4,65	1915
	35M 12.000	35M 12.000	—	—	3,75	3,75	—	—	2,33	7,50	8,33	0,57	2,02	2,54	2,51	9,01	11,21	3,71	A	3,50	6,82	2728
	35M 12.000	53M 18.000	—	—	3,76	5,64	—	—	2,33	9,40	10,55	0,57	2,53	2,69	2,51	11,29	11,87	3,71	A	3,40	5,81	2393
	35M 12.000	70M 24.000	—	—	3,33	6,67	—	—	2,33	10,00	10,88	0,57	2,70	2,93	2,51	12,01	12,92	3,71	A	3,40	4,65	1915
	53M 18.000	53M 18.000	—	—	5,05	5,05	—	—	2,33	10,10	11,10	0,57	2,72	2,99	2,51	12,16	13,19	3,71	A	3,60	7,29	2833
MU2-Y 105M (1x3)	20M 8.000	20M 8.000	20M 8.000	—	2,50	2,50	2,50	—	3,00	7,50	7,77	0,72	2,02	2,69	3,16	8,93	11,87	3,71	A	3,60	8,53	3315
	20M 8.000	20M 8.000	27M 9.000	—	2,37	2,37	3,05	—	3,00	7,80	8,33	0,72	2,10	2,84	3,16	9,29	12,53	3,71	A	3,60	5,81	2260
	20M 8.000	20M 8.000	35M 12.000	—	2,29	2,29	3,92	—	3,00	8,50	9,44	0,72	2,29	2,99	3,16	10,13	13,19	3,71	A	3,60	6,05	2351
	20M 8.000	20M 8.000	53M 18.000	—	2,34	2,34	6,02	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,82	14,50	3,71	A	3,60	6,59	2562
	20M 8.000	20M 8.000	70M 24.000	—	1,97	1,97	6,76	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,82	14,50	3,71	A	3,60	6,59	2562
	20M 8.000	27M 9.000	27M 9.000	—	2,38	3,06	3,06	—	3,00	8,50	9,44	0,72	2,29	2,99	3,16	10,13	13,19	3,71	A	3,60	8,91	3466
	20M 8.000	27M 9.000	35M 12.000	—	2,50	3,21	4,29	—	3,00	10,00	10,55	0,72	2,70	3,14	3,16	11,91	13,85	3,71	A	3,60	6,59	2562
	20M 8.000	27M 9.000	53M 18.000	—	2,20	2,83	5,66	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,82	14,50	3,71	A	3,60	7,75	3014
	20M 8.000	27M 9.000	70M 24.000	—	1,87	2,41	6,42	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,82	14,50	3,71	A	3,60	7,75	3014
	20M 8.000	35M 12.000	35M 12.000	—	2,28	3,91	3,91	—	3,00	10,10	11,10	0,72	2,72	3,14	3,16	12,10	13,85	3,71	A	3,60	8,91	3466
	20M 8.000	35M 12.000	53M 18.000	—	2,02	3,47	5,21	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,85	14,50	3,71	A	3,60	8,53	3315
	20M 8.000	35M 12.000	70M 24.000	—	1,74	2,99	5,97	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,85	14,50	3,71	A	3,60	8,53	3315
	20M 8.000	53M 18.000	53M 18.000	—	1,74	4,48	4,48	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,89	14,50	3,71	A	3,60	8,91	3466
	27M 9.000	27M 9.000	27M 9.000	—	3,33	3,33	3,33	—	3,00	10,00	10,55	0,72	2,70	3,14	3,16	11,98	13,85	3,71	A	3,60	8,91	3466
	27M 9.000	27M 9.000	35M 12.000	—	3,03	3,03	4,04	—	3,00	10,10	11,10	0,72	2,72	3,14	3,16	12,10	13,85	3,71	A	3,60	7,75	3014
	27M 9.000	27M 9.000	53M 18.000	—	2,68	2,68	5,35	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,89	14,50	3,71	A	3,60	8,53	3315
	27M 9.000	27M 9.000	70M 24.000	—	2,29	2,29	6,11	—	2,73	10,70	11,11	0,63	2,88	2,90	2,79	12,85	12,78	3,71	A	3,60	8,53	3315
	27M 9.000	35M 12.000	35M 12.000	—	2,92	3,89	3,89	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,82	14,50	3,71	A	3,60	8,91	3466
	27M 9.000	35M 12.000	53M 18.000	—	2,47	3,29	4,94	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,85	14,50	3,71	A	3,60	8,91	3466

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU1-Y 105M (QUADRI)

OUTDOOR UNIT	INDOOR UNIT				HEATING CAPACITY [KW]				TOTAL HEATING CAPACITY [KW]			HEATING POWER INPUT [KW]			HEATING TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D	A	B	C	D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU2-Y 105M (1x3)	27M 9.000	35M 12.000	70M 24.000	—	2,14	2,85	5,71	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,85	14,50	3,71	A	3,60	8,91	3466
	27M 9.000	53M 18.000	53M 18.000	—	2,14	4,28	4,28	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,89	14,50	3,71	A	3,60	8,91	3466
	35M 12.000	35M 12.000	35M 12.000	—	3,57	3,57	3,57	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,82	14,50	3,71	A	3,60	8,91	3466
	35M 12.000	35M 12.000	53M 18.000	—	3,06	3,06	4,59	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,85	14,50	3,71	A	3,60	8,91	3466
	35M 12.000	35M 12.000	70M 24.000	—	2,68	2,68	5,35	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,85	14,50	3,71	A	3,60	8,91	3466
	35M 12.000	53M 18.000	53M 18.000	—	2,68	4,01	4,01	—	3,00	10,70	12,21	0,72	2,88	3,29	3,16	12,85	14,50	3,71	A	3,60	8,91	3466
MU2-Y 105M (1x4)	20M 8.000	20M 8.000	20M 8.000	20M 8.000	2,50	2,50	2,50	2,50	3,89	10,00	11,10	0,81	2,56	2,99	3,56	11,26	13,19	3,91	A+	4,00	8,91	3119
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	2,36	2,36	2,36	3,03	3,89	10,10	11,66	0,81	2,64	3,14	3,56	11,62	13,85	3,83	A+	4,00	7,75	2713
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	2,31	2,31	2,31	3,96	3,89	10,90	12,21	0,81	2,90	3,29	3,56	12,77	14,50	3,76	A+	4,00	8,53	2984
	20M 8.000	20M 8.000	20M 8.000	53M 18.000	1,99	1,99	1,99	5,12	3,89	11,10	13,32	0,81	2,98	3,89	3,56	13,11	17,14	3,73	A+	4,00	9,15	3201
	20M 8.000	20M 8.000	20M 8.000	70M 24.000	1,73	1,73	1,73	5,92	3,89	11,10	13,32	0,81	2,98	3,89	3,56	13,11	17,14	3,73	A+	4,00	9,15	3201
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	2,38	2,38	3,07	3,07	3,89	10,90	12,21	0,81	2,90	3,29	3,56	12,77	14,50	3,76	A+	4,00	9,20	3220
	20M 8.000	20M 8.000	27M 9.000	35M 12.000	2,22	2,22	2,85	3,81	3,89	11,10	12,77	0,81	2,95	3,59	3,56	13,01	15,82	3,76	A+	4,00	9,15	3201
	20M 8.000	20M 8.000	27M 9.000	53M 18.000	1,90	1,90	2,44	4,87	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	20M 8.000	27M 9.000	70M 24.000	1,65	1,65	2,13	5,67	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	20M 8.000	35M 12.000	35M 12.000	2,04	2,04	3,51	3,51	3,89	11,10	13,32	0,81	2,98	3,89	3,56	13,11	17,14	3,73	A+	4,00	9,20	3220
	20M 8.000	20M 8.000	35M 12.000	53M 18.000	1,77	1,77	3,03	4,54	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,22	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	20M 8.000	53M 18.000	53M 18.000	1,55	1,55	4,00	4,00	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,22	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	2,29	2,94	2,94	2,94	3,89	11,10	12,77	0,81	2,95	3,44	3,56	13,01	15,16	3,76	A+	4,00	9,20	3220
	20M 8.000	27M 9.000	27M 9.000	35M 12.000	2,10	2,70	2,70	3,60	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,22	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	27M 9.000	27M 9.000	53M 18.000	1,81	2,32	2,32	4,65	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	27M 9.000	27M 9.000	70M 24.000	1,59	2,04	2,04	5,44	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	27M 9.000	35M 12.000	35M 12.000	1,94	2,50	3,33	3,33	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,22	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	27M 9.000	35M 12.000	53M 18.000	1,69	2,17	2,90	4,34	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	27M 9.000	53M 18.000	53M 18.000	1,49	1,92	3,84	3,84	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	35M 12.000	35M 12.000	35M 12.000	1,81	3,10	3,10	3,10	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	20M 8.000	35M 12.000	35M 12.000	53M 18.000	1,59	2,72	2,72	4,08	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	2,78	2,78	2,78	2,78	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	27M 9.000	27M 9.000	27M 9.000	35M 12.000	2,56	2,56	2,56	3,42	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	27M 9.000	27M 9.000	27M 9.000	53M 18.000	2,22	2,22	2,22	4,44	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	27M 9.000	27M 9.000	35M 12.000	35M 12.000	2,38	2,38	3,17	3,17	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	27M 9.000	27M 9.000	35M 12.000	53M 18.000	2,08	2,08	2,78	4,16	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	27M 9.000	35M 12.000	35M 12.000	35M 12.000	2,22	2,96	2,96	2,96	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	27M 9.000	35M 12.000	35M 12.000	53M 18.000	1,96	2,61	2,61	3,92	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220
	35M 12.000	35M 12.000	35M 12.000	35M 12.000	2,78	2,78	2,78	2,78	3,89	11,10	13,32	0,81	2,99	3,89	3,56	13,19	17,14	3,71	A+	4,00	9,20	3220

replaceable indoor unit with HYDRO-M hydronic module

Notes Pd = Pdesign CEA = Annual Energy Consumption

Note: Hydraulic module and direct expansion indoor units cannot operate at the same time.

COMBINATION TABLES

Outdoor unit: MU2-Y 125M (PENTA)

OUTDOOR UNIT	INDOOR UNIT					COOLING CAPACITY [KW]					COOLING TOTAL CAPACITY [KW]			COOLING POWER INPUT [KW]			COOLING TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D	E	A	B	C	D	E	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2-Y 125M (1x1)	20M 8.000	—	—	—	—	2,30	—	—	—	—	1,66	2,00	2,90	0,45	1,02	1,28	1,96	4,44	5,56	3,23	—	—	—	—
	27M 9.000	—	—	—	—	2,50	—	—	—	—	1,66	2,50	3,20	0,45	1,28	1,60	1,96	5,56	6,94	3,23	—	—	—	—
	35M 12.000	—	—	—	—	3,50	—	—	—	—	1,66	3,50	3,90	0,45	1,79	2,15	1,96	7,78	9,33	3,23	—	—	—	—
	53M 18.000	—	—	—	—	5,00	—	—	—	—	1,85	5,00	6,50	0,58	1,98	2,28	2,52	8,62	9,91	3,23	—	—	—	—
	70M 24.000	—	—	—	—	7,00	—	—	—	—	2,09	7,00	8,20	0,70	2,30	2,42	3,04	10,00	10,50	3,23	—	—	—	—
MU2-Y 125M (1x2)	20M 8.000	20M 8.000	—	—	—	2,10	2,10	—	—	—	2,34	4,20	7,38	0,65	1,49	2,21	2,81	6,49	9,60	3,23	A	5,10	4,20	288
	20M 8.000	27M 9.000	—	—	—	2,39	2,69	—	—	—	2,34	4,78	7,63	0,65	1,70	2,36	2,81	7,38	10,27	3,23	A	5,10	4,70	323
	20M 8.000	35M 12.000	—	—	—	2,38	3,57	—	—	—	2,34	5,65	8,00	0,65	2,01	2,55	2,81	8,72	11,09	3,23	A	5,10	5,50	377
	20M 8.000	53M 18.000	—	—	—	2,37	5,32	—	—	—	2,34	7,38	9,84	0,65	2,62	2,70	2,81	11,40	11,76	3,23	A	5,10	7,00	480
	20M 8.000	70M 24.000	—	—	—	2,34	6,98	—	—	—	2,34	9,02	11,69	0,65	3,21	3,05	2,81	13,94	13,25	3,23	A	5,10	9,10	625
	27M 9.000	27M 9.000	—	—	—	2,68	2,68	—	—	—	2,34	5,36	8,00	0,65	1,90	2,55	2,81	8,28	11,09	3,23	A	5,10	5,30	364
	27M 9.000	35M 12.000	—	—	—	2,67	3,56	—	—	—	2,34	6,23	8,61	0,65	2,21	2,59	2,81	9,62	11,26	3,23	A	5,10	6,00	412
	27M 9.000	53M 18.000	—	—	—	2,65	5,31	—	—	—	2,34	7,96	11,07	0,65	2,83	2,86	2,81	12,30	12,42	3,23	A	5,10	7,50	515
	27M 9.000	70M 24.000	—	—	—	2,62	6,98	—	—	—	2,34	9,60	12,30	0,65	3,41	3,24	2,81	14,83	14,07	3,23	A	5,10	9,70	666
	35M 12.000	35M 12.000	—	—	—	3,55	3,55	—	—	—	2,34	7,09	9,23	0,65	2,52	2,70	2,81	10,96	11,76	3,23	A	5,10	7,00	480
	35M 12.000	53M 18.000	—	—	—	3,53	5,30	—	—	—	2,34	8,83	11,69	0,65	3,14	3,12	2,81	13,64	13,58	3,23	A	5,10	8,50	583
	35M 12.000	70M 24.000	—	—	—	3,49	6,98	—	—	—	2,34	10,47	12,30	0,65	3,72	3,43	2,81	16,17	14,90	3,23	A	5,10	10,00	686
	53M 18.000	53M 18.000	—	—	—	5,28	5,28	—	—	—	2,34	10,56	12,30	0,65	3,75	3,43	2,81	16,32	14,90	3,23	A	5,10	10,50	721
	53M 18.000	70M 24.000	—	—	—	4,93	6,57	—	—	—	2,34	11,50	12,50	0,65	3,88	3,43	2,81	16,88	14,90	3,23	A	5,10	11,50	789
MU2-Y 125M (1x3)	20M 8.000	20M 8.000	20M 8.000	—	—	2,30	2,30	2,30	—	—	2,89	6,13	7,38	0,80	1,76	3,05	3,48	7,66	13,25	3,23	A	5,30	6,00	396
	20M 8.000	20M 8.000	27M 9.000	—	—	2,34	2,34	2,62	—	—	2,89	6,71	8,61	0,80	1,93	3,24	3,48	8,39	14,07	3,23	A	5,30	6,50	429
	20M 8.000	20M 8.000	35M 12.000	—	—	2,34	2,34	3,50	—	—	2,89	7,58	9,23	0,80	2,18	3,43	3,48	9,47	14,90	3,23	A	5,30	7,50	495
	20M 8.000	20M 8.000	53M 18.000	—	—	2,34	2,34	5,24	—	—	2,89	9,31	11,07	0,80	2,68	3,62	3,48	11,64	15,73	3,23	A	5,30	9,00	594
	20M 8.000	20M 8.000	70M 24.000	—	—	2,32	2,32	6,92	—	—	2,89	10,95	12,92	0,80	3,15	3,81	3,48	13,69	16,56	3,23	A	5,30	11,00	726
	20M 8.000	27M 9.000	27M 9.000	—	—	2,34	2,62	2,62	—	—	2,89	7,29	9,23	0,80	2,10	3,35	3,48	9,11	14,57	3,23	A	5,30	7,00	462
	20M 8.000	27M 9.000	35M 12.000	—	—	2,34	2,62	3,49	—	—	2,89	8,15	10,46	0,80	2,35	3,50	3,48	10,20	15,23	3,23	A	5,30	8,00	528
	20M 8.000	27M 9.000	53M 18.000	—	—	2,34	2,62	5,24	—	—	2,89	9,89	11,07	0,80	2,84	3,73	3,48	12,37	16,23	3,23	A	5,30	9,50	627
	20M 8.000	27M 9.000	70M 24.000	—	—	2,32	2,59	6,92	—	—	2,89	11,53	12,92	0,80	3,32	3,96	3,48	14,42	17,22	3,23	A	5,30	11,50	759
	20M 8.000	35M 12.000	35M 12.000	—	—	2,34	3,49	3,49	—	—	2,89	9,02	11,07	0,80	2,59	3,62	3,48	11,28	15,73	3,23	A	5,30	9,00	594
	20M 8.000	35M 12.000	53M 18.000	—	—	2,34	3,49	5,23	—	—	2,89	10,76	12,30	0,80	3,09	3,81	3,48	13,45	16,56	3,23	A	5,30	10,50	693
	20M 8.000	35M 12.000	70M 24.000	—	—	2,32	3,46	6,92	—	—	2,89	12,40	12,92	0,80	3,57	3,96	3,48	15,50	17,22	3,23	A	5,30	11,50	759
	20M 8.000	53M 18.000	53M 18.000	—	—	2,33	5,23	5,23	—	—	2,89	12,49	12,92	0,80	3,59	3,96	3,48	15,62	17,22	3,23	A	5,30	11,50	759
	27M 9.000	27M 9.000	27M 9.000	—	—	2,62	2,62	2,62	—	—	2,89	7,86	10,46	0,80	2,26	3,81	3,48	9,83	16,56	3,23	A	5,30	8,00	528
	27M 9.000	27M 9.000	35M 12.000	—	—	2,62	2,62	3,49	—	—	2,89	8,73	12,92	0,80	2,51	3,62	3,48	10,92	15,73	3,23	A	5,30	9,00	594
	27M 9.000	27M 9.000	53M 18.000	—	—	2,62	2,62	5,23	—	—	2,89	10,47	12,30	0,80	3,01	3,81	3,48	13,09	16,56	3,23	A	5,30	10,50	693
	27M 9.000	27M 9.000	70M 24.000	—	—	2,59	2,59	6,92	—	—	2,89	12,11	12,92	0,80	3,48	3,96	3,48	15,14	17,22	3,23	A	5,30	11,50	759

Note: Pd = Pdesign CEA = Consumo Energetico Annuo

COMBINATION TABLES

Outdoor unit: MU2-Y 125M (PENTA)

COOLING

OUTDOOR UNIT	INDOOR UNIT					COOLING CAPACITY [KW]					TOTAL COOLING CAPACITY [KW]			COOLIN POWER INPUT [KW]			COOLING TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D		A	B	C	D	E	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2-Y 125M (1x3)	27M 9.000	35M 12.000	35M 12.000	—	—	2,62	3,49	3,49	—	—	2,89	9,60	11,07	0,80	2,76	3,62	3,48	12,00	15,73	3,23	A	5,30	9,00	594
	27M 9.000	35M 12.000	53M 18.000	—	—	2,62	3,49	5,23	—	—	2,89	11,34	11,69	0,80	3,26	3,81	3,48	14,18	16,56	3,23	A	5,30	11,00	726
	27M 9.000	35M 12.000	70M 24.000	—	—	2,60	3,46	6,92	—	—	2,89	12,98	12,92	0,80	3,73	3,96	3,48	16,23	17,22	3,23	A	5,30	11,50	759
	27M 9.000	53M 18.000	53M 18.000	—	—	2,61	5,23	5,23	—	—	2,89	13,07	12,92	0,80	3,76	3,96	3,48	16,35	17,22	3,23	A	5,30	12,00	792
	35M 12.000	35M 12.000	35M 12.000	—	—	3,49	3,49	3,49	—	—	2,89	10,47	11,07	0,80	3,01	3,73	3,48	13,09	16,23	3,23	A	5,30	9,50	627
	35M 12.000	35M 12.000	53M 18.000	—	—	3,49	3,49	5,23	—	—	2,89	12,20	12,92	0,80	3,51	3,96	3,48	15,26	17,22	3,23	A	5,30	11,50	759
	35M 12.000	35M 12.000	70M 24.000	—	—	3,46	3,46	6,92	—	—	2,89	13,84	12,92	0,80	3,98	3,96	3,48	17,31	17,22	3,23	A	5,30	12,00	792
	35M 12.000	53M 18.000	53M 18.000	—	—	3,48	5,23	5,23	—	—	2,89	13,94	12,92	0,80	4,01	3,96	3,48	17,43	17,22	3,23	A	5,30	12,00	792
	35M 12.000	53M 18.000	70M 24.000	—	—	2,67	4,00	5,33			2,89	12,00	12,92	0,80	4,15	3,96	3,48	18,05	17,22	3,23	A	5,30	12,00	792
	53M 18.000	53M 18.000	53M 18.000	—	—	4,00	4,00	4,00	—	—	2,89	12,00	12,92	0,80	4,15	3,96	3,48	18,05	17,22	3,23	A	5,30	12,00	792
MU2-Y 125M (1x4)	20M 8.000	20M 8.000	20M 8.000	20M 8.000	—	2,30	2,30	2,30	2,30	—	3,69	8,00	10,50	0,91	2,63	3,43	3,97	11,44	14,90	3,23	A+	5,60	8,00	500
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	—	1,98	1,98	1,98	2,55	—	3,69	8,50	11,07	0,91	2,81	3,62	3,97	12,23	15,73	3,23	A+	5,60	8,50	531
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	—	2,32	2,32	2,32	3,45	—	3,69	9,50	11,69	0,91	3,17	3,73	3,97	13,79	16,23	3,23	A+	5,60	9,50	594
	20M 8.000	20M 8.000	20M 8.000	53M 18.000	—	2,36	2,36	2,36	5,31	—	3,69	11,50	12,30	0,91	3,91	4,19	3,97	17,00	18,21	3,23	A+	5,60	11,50	719
	20M 8.000	20M 8.000	20M 8.000	70M 24.000	—	1,87	1,87	1,87	6,40	—	3,69	12,00	13,53	0,91	4,15	4,38	3,97	18,05	19,04	3,23	A+	5,60	12,00	750
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	—	2,38	2,38	2,67	2,67	—	3,69	9,50	11,69	0,91	3,16	3,73	3,97	13,75	16,23	3,23	A+	5,60	9,50	594
	20M 8.000	20M 8.000	27M 9.000	35M 12.000	—	2,00	2,00	2,57	3,43	—	3,69	10,00	12,30	0,91	3,36	4,19	3,97	14,60	18,21	3,23	A+	5,60	10,00	625
	20M 8.000	20M 8.000	27M 9.000	53M 18.000	—	1,96	1,96	2,52	5,05	—	3,69	11,50	12,30	0,91	3,93	4,19	3,97	17,11	18,21	3,23	A+	5,60	11,50	719
	20M 8.000	20M 8.000	27M 9.000	70M 24.000		1,79	1,79	2,30	6,13	—	3,69	12,00	13,53	0,91	4,15	4,38	3,97	18,05	19,04	3,23	A+	5,60	12,00	750
	20M 8.000	20M 8.000	35M 12.000	35M 12.000	—	1,93	1,93	3,32	3,32	—	3,69	10,50	12,92	0,91	3,56	4,19	3,97	15,48	18,21	3,23	A+	5,60	10,50	656
	20M 8.000	20M 8.000	35M 12.000	53M 18.000	—	1,83	1,83	3,14	4,70	—	3,69	11,50	13,53	0,91	3,97	4,19	3,97	17,27	18,21	3,23	A+	5,60	11,50	719
	20M 8.000	20M 8.000	35M 12.000	70M 24.000	—	1,72	1,72	2,95	5,90	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	20M 8.000	20M 8.000	53M 18.000	53M 18.000	—	1,72	1,72	4,43	4,43	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	20M 8.000	20M 8.000	53M 18.000	70M 24.000		1,54	1,54	3,95	5,27	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	—	2,36	2,65	2,65	2,65	—	3,69	10,00	12,30	0,91	3,35	4,19	3,97	14,56	18,21	3,23	A+	5,60	10,00	625
	20M 8.000	27M 9.000	27M 9.000	35M 12.000	—	1,99	2,55	2,55	3,41	—	3,69	10,50	12,92	0,91	3,55	4,19	3,97	15,43	18,21	3,23	A+	5,60	10,50	656
	20M 8.000	27M 9.000	27M 9.000	53M 18.000	—	1,87	2,41	2,41	4,81	—	3,69	11,50	13,53	0,91	3,96	4,19	3,97	17,21	18,21	3,23	A+	5,60	11,50	719
	20M 8.000	27M 9.000	27M 9.000	70M 24.000	—	1,76	2,26	2,26	6,02	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	20M 8.000	27M 9.000	35M 12.000	35M 12.000	—	2,31	2,59	3,45	3,45	—	3,69	11,50	13,53	0,91	3,92	4,19	3,97	17,05	18,21	3,23	A+	5,60	11,50	719
	20M 8.000	27M 9.000	35M 12.000	53M 18.000	—	1,83	2,35	3,13	4,70	—	3,69	12,00	13,53	0,91	4,15	4,38	3,97	18,05	19,04	3,23	A+	5,60	12,00	750
	20M 8.000	27M 9.000	35M 12.000	70M 24.000	—	1,66	2,13	2,84	5,68	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	20M 8.000	27M 9.000	53M 18.000	53M 18.000	—	1,66	2,13	4,26	4,26	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	20M 8.000	27M 9.000	53M 18.000	70M 24.000	—	1,48	1,91	3,82	5,09	—	3,69	12,30	13,53	0,91	4,23	4,38	3,97	18,41	19,04	3,23	A+	5,60	12,40	775
	20M 8.000	35M 12.000	35M 12.000	35M 12.000	—	1,87	3,21	3,21	3,21	—	3,69	11,50	13,53	0,91	3,96	4,19	3,97	17,21	18,21	3,23	A+	5,60	11,50	719
	20M 8.000	35M 12.000	35M 12.000	53M 18.000	—	1,71	2,94	2,94	4,41	—	3,69	12,00	13,53	0,91	4,15	4,38	3,97	18,05	19,04	3,23	A+	5,60	12,00	750
	20M 8.000	35M 12.000	35M 12.000	70M 24.000		1,57	2,68	2,68	5,37	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 125M (PENTA)

OUTDOOR UNIT	INDOOR UNIT					COOLING CAPACITY [KW]					TOTAL COOLING CAPACITY [KW]			COOLING POWER INPUT [KW]			COOLING TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D	E	A	B	C	D	E	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
MU2-Y 125M (1x4)	20M 8.000	35M 12.000	53M 18.000	53M 18.000	—	1,57	2,68	4,03	4,03	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	—	2,63	2,63	2,63	2,63	—	3,69	10,50	12,92	0,91	3,54	4,19	3,97	15,38	18,21	3,23	A+	5,60	10,50	656
	27M 9.000	27M 9.000	27M 9.000	35M 12.000	—	2,65	2,65	2,65	3,54	—	3,69	11,50	13,53	0,91	3,91	4,19	3,97	17,00	18,21	3,23	A+	5,60	11,50	719
	27M 9.000	27M 9.000	27M 9.000	53M 18.000	—	2,40	2,40	2,40	4,80	—	3,69	12,00	13,53	0,91	4,15	4,38	3,97	18,05	19,04	3,23	A+	5,60	12,00	750
	27M 9.000	27M 9.000	27M 9.000	70M 24.000	—	2,17	2,17	2,17	5,79	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	27M 9.000	27M 9.000	35M 12.000	35M 12.000	—	2,46	2,46	3,29	3,29	—	3,69	11,50	13,53	0,91	3,95	4,19	3,97	17,16	18,21	3,23	A+	5,60	11,50	719
	27M 9.000	27M 9.000	35M 12.000	53M 18.000	—	2,25	2,25	3,00	4,50	—	3,69	12,00	13,53	0,91	4,15	4,38	3,97	18,05	19,04	3,23	A+	5,60	12,00	750
	27M 9.000	27M 9.000	35M 12.000	70M 24.000	—	2,35	2,35	2,73	5,47	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	27M 9.000	27M 9.000	53M 18.000	53M 18.000	—	2,35	2,35	4,10	4,10	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	27M 9.000	35M 12.000	35M 12.000	35M 12.000	—	2,30	3,07	3,07	3,07	—	3,69	11,50	13,53	0,91	3,98	4,19	3,97	17,30	18,21	3,23	A+	5,60	11,50	719
	27M 9.000	35M 12.000	35M 12.000	53M 18.000	—	2,17	2,89	2,89	4,34	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	27M 9.000	35M 12.000	35M 12.000	70M 24.000	—	1,94	2,59	2,59	5,18	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	27M 9.000	35M 12.000	53M 18.000	53M 18.000	—	1,94	2,59	3,88	3,88	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
	35M 12.000	35M 12.000	35M 12.000	35M 12.000	—	2,88	2,88	2,88	2,88	—	3,69	11,50	13,53	0,91	3,98	4,19	3,97	17,30	18,21	3,23	A+	5,60	11,50	719
	35M 12.000	35M 12.000	35M 12.000	53M 18.000	—	2,73	2,73	2,73	4,10	—	3,69	12,30	13,53	0,91	4,26	4,38	3,97	18,50	19,04	3,23	A+	5,60	12,40	775
MU2-Y 125M (1x5)	20M 8.000	20M 8.000	20M 8.000	20M 8.000	20M 8.000	2,46	2,46	2,46	2,46	2,46	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	20M 8.000	27M 9.000	2,33	2,33	2,33	2,33	2,99	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	20M 8.000	35M 12.000	2,15	2,15	2,15	2,15	3,69	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	20M 8.000	53M 18.000	1,87	1,87	1,87	1,87	4,81	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	20M 8.000	70M 24.000	1,66	1,66	1,66	1,66	5,68	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	27M 9.000	2,21	2,21	2,21	2,84	2,84	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	35M 12.000	2,35	2,35	2,35	2,64	3,51	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	53M 18.000	1,79	1,79	1,79	2,31	4,61	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	70M 24.000	1,59	1,59	1,59	2,35	5,47	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	35M 12.000	1,91	1,91	1,91	3,28	3,28	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	53M 18.000	1,69	1,69	1,69	2,89	4,34	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	70M 24.000	1,51	1,51	1,51	2,59	5,18	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	20M 8.000	53M 18.000	53M 18.000	1,51	1,51	1,51	3,88	3,88	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	27M 9.000	2,10	2,10	2,70	2,70	2,70	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	35M 12.000	1,96	1,96	2,52	2,52	3,35	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	53M 18.000	1,72	1,72	2,21	2,21	4,43	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	70M 24.000	1,54	1,54	1,98	1,98	5,27	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	27M 9.000	35M 12.000	35M 12.000	1,83	1,83	2,36	3,14	3,14	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	27M 9.000	35M 12.000	53M 18.000	1,62	1,62	2,39	2,78	4,18	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	27M 9.000	53M 18.000	53M 18.000	1,46	1,46	1,88	3,75	3,75	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	20M 8.000	35M 12.000	35M 12.000	35M 12.000	1,72	1,72	2,95	2,95	2,95	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 125M (PENTA)

OUTDOOR UNIT	INDOOR UNIT					COOLING CAPACITY [KW]					TOTAL COOLING CAPACITY [KW]			COOLING POWER INPUT [KW]			COOLING TOTAL CURRENT [A]			EER	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D		A	B	C	D	E	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SEER	Pd	CEA [kWh]
COOLING MU2-Y 125M (1x5)	20M 8.000	20M 8.000	35M 12.000	35M 12.000	53M 18.000	1,54	1,54	2,64	2,64	3,95	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	27M 9.000	2,30	2,57	2,57	2,57	2,57	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	35M 12.000	1,87	2,41	2,41	2,41	3,21	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	53M 18.000	1,66	2,13	2,13	2,13	4,26	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	70M 24.000	1,48	1,91	1,91	1,91	5,09	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	27M 9.000	27M 9.000	35M 12.000	35M 12.000	1,76	2,26	2,26	3,01	3,01	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	27M 9.000	27M 9.000	35M 12.000	53M 18.000	1,57	2,31	2,31	2,68	4,03	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	27M 9.000	35M 12.000	35M 12.000	35M 12.000	1,66	2,13	2,84	2,84	2,84	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	27M 9.000	35M 12.000	35M 12.000	53M 18.000	1,48	1,91	2,54	2,54	3,82	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	20M 8.000	35M 12.000	35M 12.000	35M 12.000	35M 12.000	1,57	2,68	2,68	2,68	2,68	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	27M 9.000	2,46	2,46	2,46	2,46	2,46	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	35M 12.000	2,31	2,31	2,31	2,31	3,08	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	53M 18.000	2,35	2,35	2,35	2,35	4,10	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	27M 9.000	27M 9.000	27M 9.000	35M 12.000	35M 12.000	2,17	2,17	2,17	2,89	2,89	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	27M 9.000	27M 9.000	27M 9.000	35M 12.000	53M 18.000	1,94	1,94	1,94	2,59	3,88	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	27M 9.000	27M 9.000	35M 12.000	35M 12.000	35M 12.000	2,35	2,35	2,73	2,73	2,73	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706
	27M 9.000	35M 12.000	35M 12.000	35M 12.000	35M 12.000	1,94	2,59	2,59	2,59	2,59	4,18	12,30	14,00	1,03	3,81	4,57	4,47	16,56	19,87	3,23	A++	6,10	12,30	706

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 125M (PENTA)

OUTDOOR UNIT	INDOOR UNIT					HEATING CAPACITY [KW]					HEATING TOTAL CAPACITY [KW]			HEATING POWER INPUT [KW]			HEATING TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D	E	A	B	C	D	E	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU2-Y 125M (1x1)	20M 8.000	—	—	—	—	2,50	—	—	—	—	1,66	2,50	2,90	0,45	0,67	0,83	1,96	2,90	3,62	3,71	—	—	—	—
	27M 9.000	—	—	—	—	3,00	—	—	—	—	1,66	3,00	3,20	0,45	0,80	1,00	1,96	3,48	4,35	3,71	—	—	—	—
	35M 12.000	—	—	—	—	3,80	—	—	—	—	1,66	3,80	3,90	0,45	1,01	1,22	1,96	4,41	5,29	3,71	—	—	—	—
	53M 18.000	—	—	—	—	5,20	—	—	—	—	1,85	5,20	7,00	0,58	1,38	1,59	2,52	6,01	6,91	3,71	—	—	—	—
	70M 24.000	—	—	—	—	7,20	—	—	—	—	2,09	7,20	8,50	0,70	1,90	2,00	3,04	8,28	8,70	3,71	—	—	—	—
MU2-Y 125M (1x2)	20M 8.000	20M 8.000	—	—	—	2,50	2,50	—	—	—	2,34	5,00	7,38	0,56	1,32	1,92	2,45	5,72	8,36	3,71	B	3,00	5,10	2380
	20M 8.000	27M 9.000	—	—	—	2,45	3,15	—	—	—	2,34	5,60	7,63	0,56	1,47	2,06	2,45	6,41	8,94	3,71	B	3,00	5,70	2660
	20M 8.000	35M 12.000	—	—	—	2,21	3,79	—	—	—	2,34	6,00	8,00	0,56	1,58	2,22	2,45	6,86	9,66	3,71	B	3,00	6,20	2893
	20M 8.000	53M 18.000	—	—	—	2,24	5,76	—	—	—	2,34	8,00	9,84	0,56	2,11	2,35	2,45	9,15	10,23	3,71	B	3,00	8,10	3780
	20M 8.000	70M 24.000	—	—	—	2,21	7,59	—	—	—	2,34	9,80	11,69	0,56	2,58	2,65	2,45	11,21	11,53	3,71	B	3,00	8,50	3967
	27M 9.000	27M 9.000	—	—	—	3,00	3,00	—	—	—	2,34	6,00	8,00	0,56	1,58	2,22	2,45	6,86	9,66	3,71	B	3,00	6,20	2893
	27M 9.000	35M 12.000	—	—	—	2,91	3,89	—	—	—	2,34	6,80	8,61	0,56	1,79	2,25	2,45	7,78	9,80	3,71	B	3,00	6,80	3173
	27M 9.000	53M 18.000	—	—	—	2,93	5,87	—	—	—	2,34	8,80	11,07	0,56	2,32	2,49	2,45	10,07	10,81	3,71	B	3,00	8,50	3967
	27M 9.000	70M 24.000	—	—	—	2,78	7,42	—	—	—	2,34	10,20	12,30	0,56	2,68	2,82	2,45	11,67	12,25	3,71	B	3,00	8,50	3967
	35M 12.000	35M 12.000	—	—	—	3,75	3,75	—	—	—	2,34	7,50	9,23	0,56	1,97	2,35	2,45	8,58	10,23	3,71	B	3,00	7,30	3407
	35M 12.000	53M 18.000	—	—	—	3,76	5,64	—	—	—	2,34	9,40	11,69	0,56	2,47	2,72	2,45	10,76	11,82	3,71	B	3,00	8,50	3967
	35M 12.000	70M 24.000	—	—	—	3,50	7,00	—	—	—	2,34	10,50	12,30	0,56	2,76	2,98	2,45	12,01	12,97	3,71	B	3,00	8,50	3967
	53M 18.000	53M 18.000	—	—	—	5,50	5,50	—	—	—	2,34	11,00	12,30	0,56	2,89	2,98	2,45	12,59	12,97	3,71	B	3,00	8,50	3967
	53M 18.000	70M 24.000	—	—	—	4,93	6,57	—	—	—	2,34	11,50	12,50	0,56	3,01	2,98	2,45	13,09	12,97	3,71	B	3,00	8,50	3967
MU1-Y 125M (1x3)	20M 8.000	20M 8.000	20M 8.000	—	—	2,50	2,50	2,50	—	—	2,89	7,50	8,61	0,70	1,95	2,65	3,03	8,47	11,53	3,71	B	3,20	7,30	3194
	20M 8.000	20M 8.000	27M 9.000	—	—	2,37	2,37	3,05	—	—	2,89	7,80	9,23	0,70	2,03	2,82	3,03	8,81	12,25	3,71	B	3,20	7,40	3238
	20M 8.000	20M 8.000	35M 12.000	—	—	2,29	2,29	3,92	—	—	2,89	8,50	9,84	0,70	2,21	2,98	3,03	9,60	12,97	3,71	B	3,20	7,50	3281
	20M 8.000	20M 8.000	53M 18.000	—	—	2,52	2,52	6,47	—	—	2,89	11,50	12,30	0,70	2,99	3,15	3,03	12,99	13,69	3,71	B	3,20	8,50	3719
	20M 8.000	20M 8.000	70M 24.000	—	—	2,21	2,21	7,58	—	—	2,89	12,00	12,92	0,70	3,12	3,32	3,03	13,55	14,41	3,71	B	3,20	8,50	3719
	20M 8.000	27M 9.000	27M 9.000	—	—	2,38	3,06	3,06	—	—	2,89	8,50	9,84	0,70	2,21	2,92	3,03	9,60	12,68	3,71	B	3,20	7,50	3281
	20M 8.000	27M 9.000	35M 12.000	—	—	2,50	3,21	4,29	—	—	2,89	10,00	12,30	0,70	2,60	3,05	3,03	11,29	13,26	3,71	B	3,20	8,00	3500
	20M 8.000	27M 9.000	53M 18.000	—	—	2,37	3,04	6,09	—	—	2,89	11,50	12,30	0,70	2,99	3,25	3,03	12,99	14,13	3,71	B	3,20	8,50	3719
	20M 8.000	27M 9.000	70M 24.000	—	—	2,10	2,70	7,20	—	—	2,89	12,00	12,92	0,70	3,12	3,45	3,03	13,55	14,99	3,71	B	3,20	8,50	3719
	20M 8.000	35M 12.000	35M 12.000	—	—	2,48	4,26	4,26	—	—	2,89	11,00	12,30	0,70	2,86	3,15	3,03	12,42	13,69	3,71	B	3,20	8,50	3719
	20M 8.000	35M 12.000	53M 18.000	—	—	2,18	3,73	5,59	—	—	2,89	11,50	12,30	0,70	2,99	3,32	3,03	12,99	14,41	3,71	B	3,20	8,50	3719
	20M 8.000	35M 12.000	70M 24.000	—	—	1,95	3,35	6,70	—	—	2,89	12,00	12,92	0,70	3,12	3,45	3,03	13,55	14,99	3,71	B	3,20	8,50	3719
	20M 8.000	53M 18.000	53M 18.000	—	—	1,95	5,02	5,02	—	—	2,89	12,00	12,92	0,70	3,12	3,45	3,03	13,55	14,99	3,71	B	3,20	8,50	3719
	27M 9.000	27M 9.000	27M 9.000	—	—	3,33	3,33	3,33	—	—	2,89	10,00	12,30	0,70	2,60	3,32	3,03	11,29	14,41	3,71	B	3,20	8,50	3719
	27M 9.000	27M 9.000	35M 12.000	—	—	3,30	3,30	4,40	—	—	2,89	11,00	12,30	0,70	2,86	3,15	3,03	12,42	13,69	3,71	B	3,20	8,50	3719
	27M 9.000	27M 9.000	53M 18.000	—	—	2,88	2,88	5,75	—	—	2,89	11,50	12,30	0,70	2,99	3,32	3,03	12,99	14,41	3,71	B	3,20	8,50	3719
	27M 9.000	27M 9.000	70M 24.000	—	—	2,57	2,57	6,86	—	—	2,89	12,00	12,92	0,70	3,12	3,45	3,03	13,55	14,99	3,71	B	3,20	8,50	3719

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 125M (PENTA)

HEATING

OUTDOOR UNIT	INDOOR UNIT					HEATING CAPACITY [KW]					TOTAL HEATING CAPACITY [KW]			HEATING POWER INPUT [KW]			HEATING TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D		A	B	C	D	E	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU1-Y 125M (1x3)	27M 9.000	35M 12.000	35M 12.000	—	—	3,14	4,18	4,18	—	—	2,89	11,50	12,30	0,70	2,99	3,15	3,03	12,99	13,69	3,71	B	3,20	8,50	3719
	27M 9.000	35M 12.000	53M 18.000	—	—	2,77	3,69	5,54	—	—	2,89	12,00	12,92	0,70	3,12	3,32	3,03	13,55	14,41	3,71	B	3,20	8,50	3719
	27M 9.000	35M 12.000	70M 24.000	—	—	2,40	3,20	6,40	—	—	2,89	12,00	12,92	0,70	3,12	3,45	3,03	13,55	14,99	3,71	B	3,20	8,50	3719
	27M 9.000	53M 18.000	53M 18.000	—	—	2,40	4,80	4,80	—	—	2,89	12,00	12,92	0,70	3,12	3,45	3,03	13,55	14,99	3,71	B	3,20	8,50	3719
	35M 12.000	35M 12.000	35M 12.000	—	—	3,83	3,83	3,83	—	—	2,89	11,50	12,30	0,70	2,99	3,25	3,03	12,99	14,13	3,71	B	3,20	8,50	3719
	35M 12.000	35M 12.000	53M 18.000	—	—	3,43	3,43	5,14	—	—	2,89	12,00	12,92	0,70	3,12	3,45	3,03	13,55	14,99	3,71	B	3,20	8,50	3719
	35M 12.000	35M 12.000	70M 24.000	—	—	3,00	3,00	6,00	—	—	2,89	12,00	12,92	0,70	3,12	3,45	3,03	13,55	14,99	3,71	B	3,20	8,50	3719
	35M 12.000	53M 18.000	53M 18.000	—	—	3,00	4,50	4,50	—	—	2,89	12,00	12,92	0,70	3,12	3,45	3,03	13,55	14,99	3,71	B	3,20	8,50	3719
	35M 12.000	53M 18.000	70M 24.000	—	—	2,67	4,00	5,33			2,89	12,00	12,92	0,70	3,12	3,45	3,03	13,55	14,99	3,71	B	3,20	8,50	3719
	53M 18.000	53M 18.000	53M 18.000	—	—	4,00	4,00	4,00	—	—	2,89	12,00	12,92	0,70	3,09	3,45	3,03	13,45	14,99	3,71	B	3,20	8,50	3719
MU1-Y 125M (1x4)	20M 8.000	20M 8.000	20M 8.000	20M 8.000	—	2,50	2,50	2,50	2,50	—	3,69	10,00	12,67	0,80	2,56	2,98	3,46	11,12	12,97	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	—	2,57	2,57	2,57	3,30	—	3,69	11,00	12,92	0,80	2,81	3,15	3,46	12,23	13,69	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	—	2,50	2,50	2,50	4,29	—	3,69	11,80	13,53	0,80	3,02	3,25	3,46	13,12	14,13	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	20M 8.000	53M 18.000	—	2,15	2,15	2,15	5,54	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	20M 8.000	70M 24.000	—	1,91	1,91	1,91	6,56	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	—	2,63	2,63	3,38	3,38	—	3,69	12,00	13,53	0,80	3,07	3,25	3,46	13,34	14,13	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	27M 9.000	35M 12.000	—	2,40	2,40	3,09	4,11	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	27M 9.000	53M 18.000	—	2,35	2,35	2,63	5,27	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	27M 9.000	70M 24.000		1,83	1,83	2,36	6,28	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	35M 12.000	35M 12.000	—	2,21	2,21	3,79	3,79	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	35M 12.000	53M 18.000	—	1,91	1,91	3,27	4,91	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	35M 12.000	70M 24.000	—	1,72	1,72	2,95	5,90	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	53M 18.000	53M 18.000	—	1,68	1,68	4,32	4,32	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	20M 8.000	53M 18.000	70M 24.000		1,54	1,54	3,95	5,27	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	—	2,47	3,18	3,18	3,18	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	20M 8.000	27M 9.000	27M 9.000	35M 12.000	—	2,27	2,92	2,92	3,89	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	20M 8.000	27M 9.000	27M 9.000	53M 18.000	—	1,95	2,51	2,51	5,02	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	20M 8.000	27M 9.000	27M 9.000	70M 24.000	—	1,76	2,26	2,26	6,02	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	27M 9.000	35M 12.000	35M 12.000	—	2,10	2,70	3,60	3,60	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	20M 8.000	27M 9.000	35M 12.000	53M 18.000	—	1,83	2,35	3,13	4,70	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	27M 9.000	35M 12.000	70M 24.000	—	1,66	2,13	2,84	5,68	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	27M 9.000	53M 18.000	53M 18.000	—	1,62	2,38	4,15	4,15	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	27M 9.000	53M 18.000	70M 24.000	—	1,48	1,91	3,82	5,09	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	35M 12.000	35M 12.000	35M 12.000	—	1,95	3,35	3,35	3,35	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	20M 8.000	35M 12.000	35M 12.000	53M 18.000	—	1,71	2,94	2,94	4,41	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
	20M 8.000	35M 12.000	35M 12.000	70M 24.000		1,57	2,68	2,68	5,37	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 125M (PENTA)

OUTDOOR UNIT	INDOOR UNIT					HEATING CAPACITY [KW]					HEATING TOTAL CAPACITY [KW]			HEATING POWER INPUT [KW]			HEATING TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D	E	A	B	C	D	E	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU1-Y 125M (1x4)	20M 8.000	35M 12.000	53M 18.000	53M 18.000	—	1,53	2,62	3,93	3,93	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	—	3,00	3,00	3,00	3,00	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	27M 9.000	27M 9.000	27M 9.000	35M 12.000	—	2,77	2,77	2,77	3,69	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	27M 9.000	27M 9.000	27M 9.000	53M 18.000	—	2,40	2,40	2,40	4,80	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
	27M 9.000	27M 9.000	27M 9.000	70M 24.000	—	2,17	2,17	2,17	5,79	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624
	27M 9.000	27M 9.000	35M 12.000	35M 12.000	—	2,57	2,57	3,43	3,43	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	27M 9.000	27M 9.000	35M 12.000	53M 18.000	—	2,25	2,25	3,00	4,50	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
	27M 9.000	27M 9.000	35M 12.000	70M 24.000	—	2,35	2,35	2,73	5,47	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624
	27M 9.000	27M 9.000	53M 18.000	53M 18.000	—	2,00	2,00	4,00	4,00	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
	27M 9.000	35M 12.000	35M 12.000	35M 12.000	—	2,40	3,20	3,20	3,20	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	27M 9.000	35M 12.000	35M 12.000	53M 18.000	—	2,12	2,82	2,82	4,24	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
	27M 9.000	35M 12.000	35M 12.000	70M 24.000	—	1,94	2,59	2,59	5,18	—	3,69	12,30	13,53	0,80	3,15	3,81	3,46	13,68	16,58	3,71	A	3,40	8,80	3624
	27M 9.000	35M 12.000	53M 18.000	53M 18.000	—	1,89	2,53	3,79	3,79	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
	35M 12.000	35M 12.000	35M 12.000	35M 12.000	—	3,00	3,00	3,00	3,00	—	3,69	12,00	13,53	0,80	3,07	3,65	3,46	13,34	15,86	3,71	A	3,40	8,80	3624
	35M 12.000	35M 12.000	35M 12.000	53M 18.000	—	2,67	2,67	2,67	4,00	—	3,69	12,00	13,53	0,80	3,07	3,81	3,46	13,34	16,58	3,71	A	3,40	8,80	3624
MU1-Y 125M (1x5)	20M 8.000	20M 8.000	20M 8.000	20M 8.000	20M 8.000	2,46	2,46	2,46	2,46	2,46	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	20M 8.000	27M 9.000	2,33	2,33	2,33	2,33	2,99	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	20M 8.000	35M 12.000	2,15	2,15	2,15	2,15	3,69	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	20M 8.000	53M 18.000	1,87	1,87	1,87	1,87	4,81	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	20M 8.000	70M 24.000	1,66	1,66	1,66	1,66	5,68	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	27M 9.000	2,21	2,21	2,21	2,84	2,84	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	35M 12.000	2,35	2,35	2,35	2,64	3,51	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	53M 18.000	1,79	1,79	1,79	2,31	4,61	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	27M 9.000	70M 24.000	1,59	1,59	1,59	2,35	5,47	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	35M 12.000	1,91	1,91	1,91	3,28	3,28	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	53M 18.000	1,69	1,69	1,69	2,89	4,34	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	35M 12.000	70M 24.000	1,51	1,51	1,51	2,59	5,18	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	20M 8.000	53M 18.000	53M 18.000	1,51	1,51	1,51	3,88	3,88	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	27M 9.000	2,10	2,10	2,70	2,70	2,70	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	35M 12.000	1,96	1,96	2,52	2,52	3,35	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	53M 18.000	1,72	1,72	2,21	2,21	4,43	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	27M 9.000	27M 9.000	70M 24.000	1,54	1,54	1,98	1,98	5,27	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	27M 9.000	35M 12.000	35M 12.000	1,83	1,83	2,36	3,14	3,14	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	27M 9.000	35M 12.000	53M 18.000	1,62	1,62	2,39	2,78	4,18	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	27M 9.000	53M 18.000	53M 18.000	1,46	1,46	1,88	3,75	3,75	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	20M 8.000	35M 12.000	35M 12.000	35M 12.000	1,72	1,72	2,95	2,95	2,95	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611

Notes Pd = Pdesign CEA = Annual Energy Consumption

COMBINATION TABLES

Outdoor unit: MU2-Y 125M (PENTA)

HEATING

OUTDOOR UNIT	INDOOR UNIT					HEATING CAPACITY [KW]					TOTAL HEATING CAPACITY [KW]			HEATING POWER INPUT [KW]			HEATING TOTAL CURRENT [A]			COP	SEASONAL EFFICIENCY (EN14825)			
	A	B	C	D		A	B	C	D	E	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.		Class	SCOP	Pd	CEA [kWh]
MU1-Y 125M (1x5)	20M 8.000	20M 8.000	35M 12.000	35M 12.000	53M 18.000	1,54	1,54	2,64	2,64	3,95	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	27M 9.000	2,30	2,57	2,57	2,57	2,57	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	35M 12.000	1,87	2,41	2,41	2,41	3,21	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	53M 18.000	1,66	2,13	2,13	2,13	4,26	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	27M 9.000	27M 9.000	27M 9.000	70M 24.000	1,48	1,91	1,91	1,91	5,09	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	27M 9.000	27M 9.000	35M 12.000	35M 12.000	1,76	2,26	2,26	3,01	3,01	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	27M 9.000	27M 9.000	35M 12.000	53M 18.000	1,57	2,31	2,31	2,68	4,03	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	27M 9.000	35M 12.000	35M 12.000	35M 12.000	1,66	2,13	2,84	2,84	2,84	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	27M 9.000	35M 12.000	35M 12.000	53M 18.000	1,48	1,91	2,54	2,54	3,82	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	20M 8.000	35M 12.000	35M 12.000	35M 12.000	35M 12.000	1,57	2,68	2,68	2,68	2,68	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	27M 9.000	2,46	2,46	2,46	2,46	2,46	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	35M 12.000	2,31	2,31	2,31	2,31	3,08	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	27M 9.000	27M 9.000	27M 9.000	27M 9.000	53M 18.000	2,35	2,35	2,35	2,35	4,10	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	27M 9.000	27M 9.000	27M 9.000	35M 12.000	35M 12.000	2,17	2,17	2,17	2,89	2,89	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	27M 9.000	27M 9.000	27M 9.000	35M 12.000	53M 18.000	1,94	1,94	1,94	2,59	3,88	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	27M 9.000	27M 9.000	35M 12.000	35M 12.000	35M 12.000	2,35	2,35	2,73	2,73	2,73	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611
	27M 9.000	35M 12.000	35M 12.000	35M 12.000	35M 12.000	1,94	2,59	2,59	2,59	2,59	4,18	12,30	14,94	0,90	3,32	4,14	3,89	14,41	18,02	3,71	A	3,80	9,80	3611

Notes Pd = Pdesign CEA = Annual Energy Consumption

Light Commercial

WHY CHOOSE A LIGHT COMMERCIAL SYSTEM?

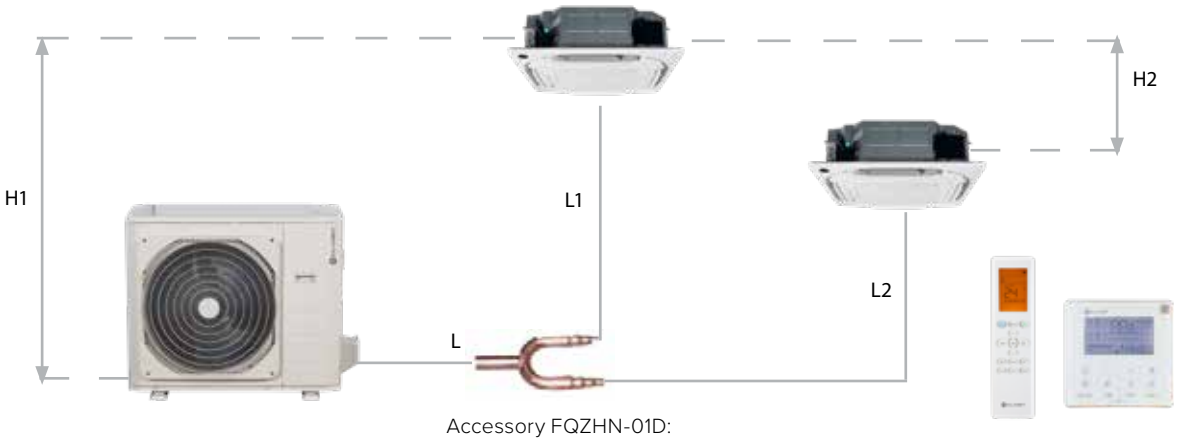
- Systems up to 16 kW, the ideal solution for air conditioning in commercial zones such as offices, banks and meeting rooms
- TWIN configuration for a more comfortable environment
- Can be managed with Wi-Fi, Centralised controllers, data converters or BMS systems

OUTDOOR / INDOOR UNIT COMBINABILITY

OUTDOOR UNIT	COMPACT 4-WAY CASSETTE INDOOR UNITS		4-WAY CASSETTE INDOOR UNITS						DUCT INDOOR UNITS								CEILING/FLOOR INDOOR UNITS					TOWER INDOOR UNITS
	BOX 2 650x650		BOX 2 950x950						DUCT 2								CEILING & FLOOR 2					STANDING 2
	IB3-XY		IA3-XY						ID3-XY								IF3-XY					IS3-XY
	35M	53M	70M	88M	105M	120M	140M	160M	35M	53M	70M	88M	105M	120M	140M	160M	53M	70M	105M	140M	160M	140M
MC3-Y 35M	●								●													
MC3-Y 53M		●								●							●					
MC3-Y 70M			●						NEW T		●							●				
MC3-Y 88M				●								●										
MC3-Y 105M					●					NEW T			●				NEW T		●			
MC3-Y 120M						●								●								
MC3-Y 105T					●					NEW T			●				NEW T		●			
MC3-Y 140T			T				●				T				●			T		●		●
MC3-Y 160T				T				●				T				●					●	

T = Compatible with TWIN system

TWIN CONFIGURATION FOR IMPROVED AIR DISTRIBUTION IN THE ROOM



Accessory FQZHN-01D:
Y-shaped joint for Twin connection

		[m]	
Piping length	Total lenght	65	L+Max(L1,L2)
	Max. length of the single lines	15	L1,L2
	Max. length difference between lines L1-L2	10	L1,L2
Difference in height	Max. level difference between indoor - outdoor units	20	H1
	Max. level difference between two indoor units	0,5	H2

The TWIN indoor units are designed to be installed in one single room.
The control allows to control the main unit while the secondary one follows the on/off, set-point, operating modes and fan speed settings.

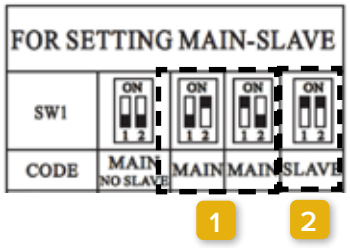
POSSIBLE COMBINATIONS

	INDOOR UNIT 1	INDOOR UNIT 2	OUTDOOR UNIT
	IA3-XY 70M	IA3-XY 70M	MC3-Y 140T
	IA3-XY 88M	IA3-XY 88M	MC3-Y 160T
	ID3-XY 35M	ID3-XY 35M	MC3-Y 70T
	ID3-XY 53M	ID3-XY 53M	MC3-Y 105M/105T
	ID3-XY 70M	ID3-XY 70M	MC3-Y 140T
	ID3-XY 88M	ID3-XY 88M	MC3-Y 160T
	IF3-XY 53M	IF3-XY 53M	MC3-Y 105M/105T
	IF3-XY 70M	IF3-XY 70M	MC3-Y 140T

Note:

SET THE INDOOR UNITS

Set the SW5 switch:



1. Slave indoor unit: 1 and 2 both in ON
2. Master indoor unit: alternate position of 1 and 2 (one in ON and the other in OFF)

BOX 2 650x650 35M÷53M

CONTROL SYSTEM
SPLIT VRF

A++ A+

COMFORT

- Follow Me
- Turbo
- Mute Operation (NEW)
- Stepless control compressor (NEW)
- Silent (NEW)
- 7-grades outdoor Fan speed
- Anti-cold air
- Temperature Compensation
- Auto swing

RELIABILITY

- Refrigerant Leakage Detect
- Self-diagnosis Function
- Emergency using
- Auto defrosting
- Low Ambient Cooling
- Build-in Drain Pump
- Opposite fan rotation (NEW)

CONVENIENCE

- Manual ON/OFF
- Contact ON/OFF
- Error Alarm Port
- Louver Position Mermory
- Auto-restart
- Timer

ENERGY SAVING

- Sleep
- Gear (NEW)

HEALTH

- Wired control
- i-Clean (NEW)

OPTIONAL

- Central Control Mangement
- Central Control Mangement
- BMS Communication
- Wi-Fi Control
- Weekley Timer (NEW)

PANNEL 650X650
T-MBQ4-03B4
(mandatory accessory)

Wi-Fi
WF-60A1-C
(optional)

WIRED REMOTE
KJR-120X2-TFBG-E
(optional)

REMOTE CONTROL
RG10A-D2S-BGEF
(standard)

IB3-XY

MC3-Y

technical data

Set				35M	53M
Cooling capacity	Standard (Min~Max)		Btu/h	12.000 (2.900~14.000)	18.000 (9.900~19.000)
	Standard (Min~Max)		kW	3,5 (0,9~4,1)	5,3 (2,9~5,6)
Heating capacity	Standard (Min~Max)		Btu/h	13.000 (1.600~14.700)	19.000 (8.100~20.800)
	Standard (Min~Max)		kW	3,8 (0,5~4,3)	5,6 (2,4~6,1)
Standard power input	Cooling	Standard (Min~Max)	W	1.010 (168~1.434)	1.633 (720~2.088)
	Heating	Standard (Min~Max)	W	1.019 (124~1.376)	1.540 (700~1.930)
Standard current input	Cooling	Standard (Min~Max)	A	4,45 (1,32~6,31)	7,2 (3,2~9,2)
	Heating	Standard (Min~Max)	A	4,73 (1,04~6,07)	6,8 (3,1~8,5)
Seasonal efficiency[1]	Cooling	Energy efficiency class	-	A++	A++
		Design load (Pdesign)	kW	3,5	5,3
		SEER	-	6,1	6,1
		Annual energy consumption	kWh/a	186	294
	Heating Averag season	Energy efficiency class	-	A+	A+
		Design load (Pdesign)	kW	2,7	4,2
		SCOP	-	4,0	4,0
		Annual energy consumption	kWh/a	922	1.470
	Heating Warmer season	Energy efficiency class	-	A+++	A++
		SCOP	-	5,10	4,80
Standard efficiency	EER		-	3,48	3,23
	COP		-	3,74	3,71

Indoor unit			IB3-XY	35M	53M
Configuration code				AAKBQ20001	AAKBQ40001
Dimensions	Unit	L x D x H	mm	570x570x260	570x570x260
	Packaging (Unit)	L x D x H	mm	655x655x290	662x662x317
	Panel	L x D x H	mm	647x647x50	647x647x50
	Packaging (Panel)	L x D x H	mm	715x715x123	715x715x123
Weight	Unit / Packaging		kg	16,3/20,4	16/20,6
	Panel / Packaging		kg	2,5/4,5	2,5/4,5
Air filter	Type		-	R/W	
Airflow		Hi/Mid/Lo	m³/h	569/485/389	680/584/479
Sound power level		Hi	dB(A)	57	59
Sound pressure level		Hi/Mid/Lo	dB(A)	42/37,5/34,5	45,4/44/39
Control systems	Infrared remote control		-	RG10A-D2S-BGEF	
	Settable temperature		°C	17~30	17~30
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1

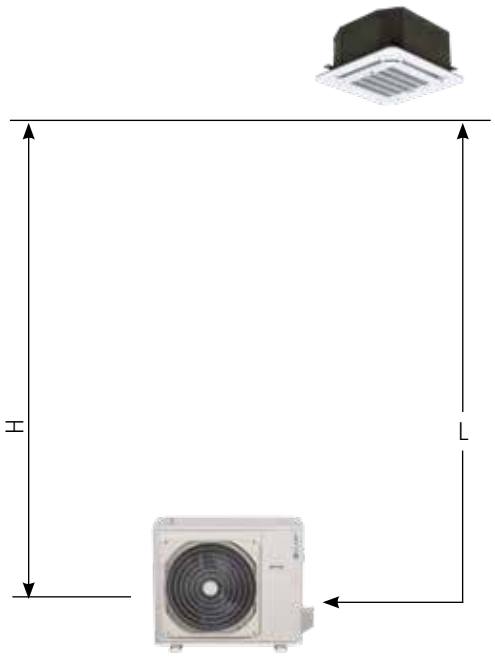
[1] SEER and SCOP data, relative energy ratings and annual energy consumption in conformity to the EN 14825 standard measurement.
R/W = Removable/Washable

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

Outdoor unit			MC3-Y	35M	53M
Configuration code				AASDQ20001	AASDQ40001
Dimensions	Unit	L x D x H	mm	765x303x555	805x330x554
	Packaging	L x D x H	mm	887x337x610	915x370x615
Weight	Unit / Packaging		kg	26,6/29	32,5/35,2
Sound power level		Standard	dB(A)	62	65
Sound pressure level		Standard	dB(A)	53,6	56
Operating range	Cooling	Indoor T.	°C	16~32	16~32
		Outdoor T.	°C BS	-15~50	-15~50
	Heating	Indoor T.	°C	0~30	0~30
		Outdoor T.	°C BU	-15~24	-15~24
Refrigerant	Type/GWP		-	R-32 / 675	R-32 / 675
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1
Current - 50Hz	Maximum fuse capacity (MFA)		A	20	20

refrigerant piping and connections

Set			35M	53M
Max equivalent length	L	m	25	30
Max difference in level ODU / IDU	H	m	±10	±20
Refrigerant precharge		kg / m	0,72 / 5	1,15 / 5
		CO_2 tons	0,49	0,78
Additional refrigerant charge		g/m	12	12
External diameters	Liquid	mm / inch	Φ6,35 - 1/4"	Φ6,35 - 1/4"
	Gas	mm / inch	Φ9,52 - 3/8"	Φ12,7 - 1/2"



electrical connections

Set			35M	53M
ODU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1
		no. of cables / section	2 x 1,5mm² + G	2 x 1,5mm² + G
	Signal	no. of cables / section	2 x 1mm²	1 x 1mm²
IDU	Power supply	V/Hz/n°	from ODU	from ODU
		no. of cables / section	2 x 1mm² + G	2 x 1mm² + G
	Signal	no. of cables / section	2 x 1mm²	1 x 1mm²

accessories

Standard

RG10A-D2S-BGEF	Infrared remote control for Duct/ Box/ C&F 2022 range indoor units
T-MBQ4-03B4	Panel for Box 2 650x650, 360° air delivery, round hole grill (Mandatory accessory, to be selected separately)

Optionals

WF-60A1-C	Smart port kit for the hiwall indoor unit management via Wi-Fi (it includes the adaptor and the USB key)
Control systems	**(learn more at control System Page)**

BOX 2 950x950 70M÷160M

42 dB(A)

CONTROL SYSTEM SPLIT VRF

A++ A+

COMFORT

Follow Me · Turbo · Mute Operation (NEW) · Stepless control compressor (NEW) · Silent (NEW) · 6-grades outdoor Fan speed · Anti-cold air · Temperature Compensation · Auto swing

RELIABILITY

Refrigerant Leakage Detect · Self-diagnosis Function · Emergency using · Auto defrosting · Low Ambient Cooling · Build-in Drain Pump · Opposite fan rotation (NEW)

CONVENIENCE

Manual ON/OFF · Contact ON/OFF · Error Alarm Port · Louver Position Mermory · Auto Restart Function · Timer

ENERGY SAVING

Sleep · Gear (NEW)

HEALTH

Fresh Air · i-Clean (NEW)

OPTIONAL

Wired control · Central Control Mangement · BMS Communi-cation · Wi-Fi Control · Weekley Timer

PANEL 950X950 T-MBQ4-04B *(mandatory accessory)*

Wi-Fi KFR-120Q-EDFJB-B *(optional)*

WIRED REMOTE KJR-120X2-TFBG-E *(optional)*

REMOTE CONTROL RG10A-D2S-BGEF *(standard)*

IA3-XY

MC3-Y

technical data

Set				70M	88M	105M	120M	105T	140T	160T
Cooling capacity	Standard (Min~Max)		Btu/h	24.000 (11.263~27.000)	30.000 (7.600~32.000)	36.000 (9.200~39.000)	41.000 (10.000~42.000)	36.000 (9.200~39.000)	48.000 (12.000~54.000)	52.000 (14.000~57.000)
	Standard (Min~Max)		kW	7,0 (3,3~7,9)	8,8 (2,2~9,4)	10,6 (2,7~11,4)	12,0 (2,9~12,3)	10,6 (2,7~11,4)	14,1 (3,5~15,8)	15,2 (4,1~16,7)
Heating capacity	Standard (Min~Max)		Btu/h	26.000 (9.600~30.500)	32.000 (9.200~33.200)	38.000 (9.500~42.000)	46.000 (11.500~48.000)	38.000 (9.500~43.200)	55.000 (14.000~59.000)	62.000 (15.000~68.000)
	Standard (Min~Max)		kW	7,6 (2,8~8,9)	9,4 (2,7~9,7)	11,1 (2,8~12,3)	13,5 (3,4~14,1)	11,1 (2,8~12,7)	16,1 (4,1~17,3)	18,2 (4,4~19,9)
Standard power input	Cooling	Standard (Min~Max)	W	2.320 (780~2748)	2.750 (190~3.000)	3.950 (900~4.200)	4.200 (680~4.350)	4.000 (890~4.150)	4.650 (800~5.900)	5.000 (980~6.200)
	Heating	Standard (Min~Max)	W	1.900 (610~2.700)	2.450 (430~2.550)	3.000 (800~3.950)	3.700 (750~4.250)	3.000 (780~4.000)	4.580 (900~5.500)	5.550 (1.020~6.700)
Standard current input	Cooling	Standard (Min~Max)	A	10,2 (4,2~12)	12,0 (2,0~13,0)	17,5 (4,2~18,5)	18,8 (3,1~19,1)	6,5 (1,4~6,5)	8,1 (1,8~10,2)	8,6 (2,1~10,7)
	Heating	Standard (Min~Max)	A	8,5 (3,6~12,1)	11,0 (3,0~11,5)	13,5 (3,5~17,5)	16,3 (3,4~19)	5,0 (1,3~6,4)	8,0 (1,9~9,5)	9,6 (2,1~10,7)
Seasonal efficiency[1]	Cooling	Energy efficiency class	-	A++	A++	A++	A++	A++	A++	A++
		Design load (Pdesign)	kW	7,0	8,8	10,5	12,1	10,5	14,0	15,3
		SEER	-	6,1	6,1	6,1	6,1	6,1	6,1	6,1
		Annual energy consumption	kWh/a	395	467	549	700	589	810	860
	Heating Averag season	Energy efficiency class	-	A+	A+	A+	A+	A+	A+	A+
		Design load (Pdesign)	kW	6,0	7,8	8,5	9,5	8,2	11,2	11,9
		SCOP	-	4,0	4,0	4,0	4,0	4,0	4,0	4,0
		Annual energy consumption	kWh/a	2.100	2.467	2.975	3.275	2.870	3.860	4.190
	Heating Warmer season	Energy efficiency class	-	A+++	A+++	A+++	A+++	A+++	A++	A+++
		SCOP	-	5,10	5,10	5,10	5,10	5,10	5,00	5,10
Standard efficiency	EER		-	3,28	3,23	3,33	2,86	3,29	3,03	3,05
	COP		-	4,01	3,83	3,71	3,71	3,71	3,52	3,27

Indoor unit		IA3-XY		70M	88M	105M	120M	105M	140M	160M
Configuration code				AAKAQ60001	AAKDQ90001	AAKAP10001	AAKAP20001	AAKDP10001	AAKAP30001	AAKAP40001
Dimensions	Unit	L x D x H	mm	830x830x205	830x830x245	830x830x245	830x830x287	830x830x245	830x830x245	830x830x287
	Packaging (Unit)	L x D x H	mm	910x910x250	910x910x290	910x910x290	910x910x330	910x910x290	910x910x290	910x910x330
	Panel	L x D x H	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Packaging (Panel)	L x D x H	mm	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90
Weight	Unit / Packaging		kg	21,6/25,4	24,6/28,6	27,2/31,2	29,3/33,5	27,2/31,2	29,3/33,5	29,3/33,5
	Panel / Packaging		kg	6/9	6/9	6/9	6/9	6/9	6/9	6/9
Air filter	Type		-				R/W			
Airflow		Hi/Mid/Lo	m³/h	1247/1118/992	1700/1530/1300	1700/1530/1300	1900/1750/1600	1700/1530/1300	1700/1530/1300	1900/1750/1600
Sound power level		Hi	dB(A)	59	63	64	66	64	66	66
Sound pressure level		Hi/Mid/Lo	dB(A)	50/47,5/42	50.5/48/46	51/48/46	52,5/50/47,5	51,0/49,0/46,0	52,5/50,5/48	52,5/50,5/48
Control systems	Infrared remote control		-				RG10A-D2S-BGEF			
	Settable temperature		°C	17~30	17~30	17~30	17~30	17~30	17~30	17~30
Power supply	Voltage/Frequency/Phases		V/Hz/n°				230 / 50 / 1			

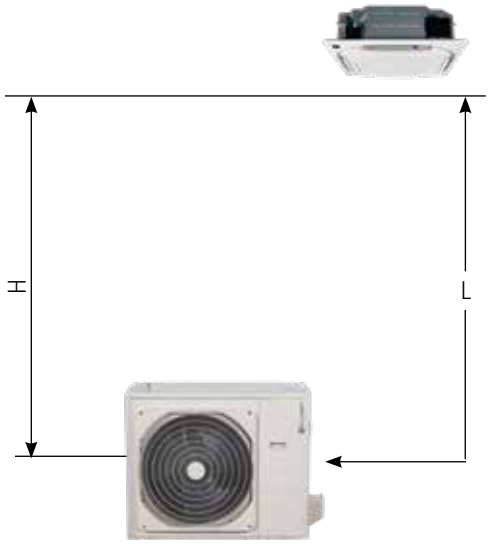
[1] SEER and SCOP data, relative energy ratings and annual energy consumption in conformity to the EN 14825 standard measurement.
R/W = Removable/Washable

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

Outdoor unit				MC3-Y	70M	88M	105M	120M	105T	140T	160T
Configuration code					AASDQ60001	AASDQ90001	AASDP10001	AASDP20001	AASDR00001	AASDV10001	AASDV20001
Dimensions	Unit	L x D x H		mm	890x342x673	946x410x810	946x410x810	946x410x810	946x410x810	952x415x1333	952x415x1333
	Packaging	L x D x H		mm	995x398x740	1090x500x885	1090x500x885	1090x500x885	1090x500x885	1095x495x1480	1095x495x1480
Weight	Unit / Packaging			kg	43,9/46,9	52,8/57,3	66,9/71,5	71,0/75,0	80,5/85	103,7/118,3	107,0/121,2
Sound power level			Standard	dB(A)	69	70	70	72	70	74	75
Sound pressure level			Standard	dB(A)	60	62	63	63	63	64	64
Operating range	Cooling		Indoor T.	°C	16~32	16~32	16~32	16~32	16~32	16~32	16~32
			Outdoor T.	°C BS	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating		Indoor T.	°C	0~30	0~30	0~30	0~30	0~30	0~30	0~30
			Outdoor T.	°C BU	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Refrigerant	Type/GWP			-	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675
Power supply	Voltage/Frequency/Phases			V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	400 / 50 / 3 + N	400 / 50 / 3 + N	400 / 50 / 3 + N
Current - 50Hz	Maximum fuse capacity (MFA)			A	30	30	30	30	25	25	25

refrigerant piping and connections

Set			70M	88M	105M	120M	105T	140T	160T
Max equivalent length	L	m	50	50	75	75	75	75	75
Max difference in level ODU / IDU	H	m	±25	±25	±30	±30	±30	±30	±30
Refrigerant precharge		kg / m	1,5 / 5	2 / 5	2,4 / 5	2,8 / 5	2,4 / 5	2,9 / 5	3,0 / 5
		CO_2 tons	1,01	1,35	1,62	1,89	1,62	1,96	2,03
Additional refrigerant charge		g/m	24	24	24	24	24	24	24
External diameters	Liquid	mm / inch	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"
	Gas	mm / inch	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"



electrical connections

Set			70M	88M	105M	120M	105T	140T	160T
ODU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	400 / 50 / 3 + N	400 / 50 / 3 + N	400 / 50 / 3 + N
		no. of cables / section	4 x 2,5mm² + G	4 x 2,5mm² + G	2 x 4mm² + G	2 x 4mm² + G	4 x 2,5mm² + G	4 x 2,5mm² + G	4 x 2,5mm² + G
	Signal	no. of cables / section	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²
IDU	Power supply	V/Hz/n°	from ODU	from ODU	from ODU	from ODU	from ODU	from ODU	from ODU
		no. of cables / section	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²
	Signal	no. of cables / section	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²

accessories

Standard

RG10A-D2S-BGEF	Infrared remote control for Duct/ Box/ C&F 2022 range indoor units
T-MBQ4-04B	Panel for Box 2 950x950, 360° air delivery, round hole grill (Mandatory accessory, to be selected separately)

Optionals

KFR-120Q-EDFJB-B	Smart port kit for the hiwall indoor unit management via Wi-Fi (it includes the adaptor and the USB key)
Control systems	**(learn more at control System Page)**

DUCT 2 35M÷160M

A++ A+

COMFORT

Follow Me · Turbo · Mute Operation · Stepless control compressor (NEW) · Silent (NEW) · 7-grades outdoor Fan speed · Anti-cold air · Temperature Compensation

RELIABILITY

Leakage Detect · Self-diagnosis Function · Emergency using · Auto defrosting · Low Ambient Cooling · Build-in Drain Pump · Opposite fan rotation (NEW)

CONVENIENCE

Contact ON/OFF · Error Alarm Port · Auto Restart Function · Timer

ENERGY SAVING

Sleep · Gear (NEW)

HEALTH

Fresh Air · i-Clean (NEW)

OPTIONAL

Wired control · Central Control Mangement · BMS Communication · Wi-Fi Control · Scheduler weekly

WIRED REMOTE
WF-60A1-C
(optional)

WIRED REMOTE
KJR-120X2-TFBG-E
(optional)

REMOTE CONTROL
RG10A-D2S-BGEF
(standard)

ID3-XY

MC3-Y

technical data

Set				35M	53M	70M	88M	105M	120M	105T	140T	160T
Cooling capacity	Standard (Min~Max)		Btu/h	12.000 (1.800~13.600)	18.000 (8.700~20.000)	24.000 (11.200~27.800)	30.000 (7.600~33.600)	36.000 (9.400~38.000)	41.000 (10.000~42.000)	36.000 (9.300~40.200)	48.000 (12.000~53.000)	52.000 (14.000~59.000)
	Standard (Min~Max)		kW	3,5 (0,5~4,0)	5,3 (2,6~5,9)	7,0 (3,3~8,2)	8,8 (2,2~9,9)	10,6 (2,8~11,1)	12,0 (2,9~12,3)	10,6 (2,7~11,8)	14,1 (3,5~15,5)	15,2 (4,1~17,3)
Heating capacity	Standard (Min~Max)		Btu/h	13.000 (3.400~15.000)	19.000 (7.500~21.000)	26.000 (9.600~29.000)	32.000 (9.200~34.200)	40.000 (9.500~43.600)	46.000 (11.500~48.000)	40.000 (9.500~43.800)	55.000 (14.000~62.000)	62.000 (15.000~70.000)
	Standard (Min~Max)		kW	3,8 (1,0~4,4)	5,6 (2,2~6,2)	7,6 (2,8~8,5)	9,4 (2,7~10,0)	11,7 (2,8~12,8)	13,5 (3,4~14,1)	11,7 (2,8~12,8)	16,1 (4,1~18,2)	18,2 (4,4~20,5)
Standard power input	Cooling	Standard (Min~Max)	W	1.053 (155~1.373)	1.530 (710~2.150)	2.190 (750~2.960)	2.500 (190~3.050)	3.950 (900~4.150)	4.200 (680~4.500)	4.000 (890~4.200)	4.800 (880~6.000)	5.250 (1.030~6.650)
	Heating	Standard (Min~Max)	W	1.038 (302~1.390)	1.510 (740~1.760)	1.900 (640~2.580)	2.250 (430~2.450)	3.250 (800~3.950)	3.450 (750~4.100)	3.250 (780~4.000)	4.500 (950~5.700)	5.150 (950~6.600)
Standard current input	Cooling	Standard (Min~Max)	A	4,8 (1,3~6,1)	7,1 (3,2~9,6)	10,2 (4,2~13,2)	11,0 (2,0~13,5)	17,5 (4,2~18,5)	18,8 (3,1~19,8)	6,5 (1,4~6,7)	8,4 (1,9~10,4)	9,6 (3,1~11,5)
	Heating	Standard (Min~Max)	A	4,5 (1,5~6,2)	6,8 (3,3~7,7)	9,2 (3,8~11,6)	10,0 (3,0~10,7)	14,5 (3,5~17,5)	15,5 (3,4~18,3)	5,3 (1,3~6,4)	8,0 (2,0~9,8)	9,5 (2,0~11,5)
Seasonal efficiency[1]	Cooling	Energy efficiency class	-	A++	A++	A++	A++	A++	A++	A++	A++	A++
		Design load (Pdesign)	kW	3,5	5,3	7,0	8,8	10,5	12,1	10,5	14,0	15,3
		SEER	-	6,10	6,10	6,10	6,10	6,10	6,10	6,10	6,10	6,10
		Annual energy consump.	kWh/a	197	291	401	474	593	700	608	811	900
	Heating Averag season	Energy efficiency class	-	A+	A+	A+	A+	A+	A+	A+	A+	A+
		Design load (Pdesign)	kW	2.6	4.3	5.4	8,0	8,4	9,5	8,8	11,5	12,5
		SCOP	-	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00	4,00
		Annual energy consump.	kWh/a	945	1.505	1.890	2.800	2.940	3.350	3.080	4.025	4.390
	Heating Warmer season	Energy efficiency class	-	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A++	A+++
		SCOP	-	5,1	5,1	5,1	5,10	5,10	5,10	5,10	5,00	5,10
Standard efficiency	EER		-	3,34	3,45	3,23	3,52	3,27	2,86	3,28	2,93	2,90
	COP		-	3,71	3,71	4,01	4,17	3,71	3,91	3,71	3,58	3,53

Indoor unit			ID3-XY	35M	53M	70M	88M	105M	120M	105M	140M	160M
Configuration code				AAKDQ20001	AAKDQ40001	AAKDQ60001	AAKDQ90001	AAKDP10001	AAKDP20001	AAKDP10001	AAKDP30001	AAKDP40001
Dimensions	Unit	L x D x H mm	mm	700x506x200	880x674x210	1100x774x249	1360x774x249	1360x774x249	1200x874x300	1360x774x249	1200x874x300	1200x874x300
	Packaging (Unit)	L x D x H mm	mm	860x540x285	1070x725x280	1305x805x315	1570x805x330	1570x805x330	1405x915x365	1570x805x330	1405x915x365	1405x915x365
Weight	Unit / Packaging		kg	17,8/21,5	24,4/29,6	32,3/39,1	40,5/48,3	40,5/48,2	47,6/55,8	40,5/48,2	47,6/55,8	47,4/56,1
Air filter	Type		-	R/W								
Airflow		Hi/Mid/Lo	m³/h	600/480/300	911/706/515	1229/1035/825	2100/1800/1500	2100/1800/1500	2400/2040/1680	2100/1800/1500	2400/2040/1680	2600/2210/1820
Available pressure		Std (Min-Max)	Pa	25 (0-60)	25 (0-100)	25 (0-160)	37 (0-160)	37 (0-160)	50 (0-160)	37 (0-160)	50 (0-160)	50 (0-160)
Sound power level		Hi	dB(A)	58	58	62	64	61	67	61	66	66
Sound pressure level		Hi/Mid/Lo	dB(A)	34,5/32/30	42/39/35	49/46/41	50,5/48/46	50/48/46	51,5/49/48	50,5/49/47	51,5/49/47	52,5/49/47
Control systems	Infrared remote control		-	RG10A-D2S-BGEF								
	Settable temperature		°C	17~30	17~30	17~30	17~30	17~30	17~30	17~30	17~30	17~30
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Current - 50Hz	Maximum fuse range (MFA)		A	20	20	30	30	30	30	25	25	25

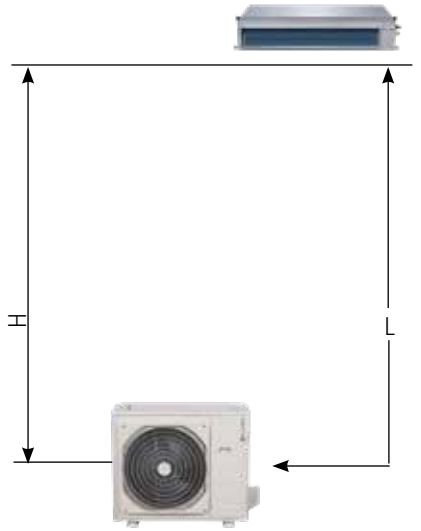
[1] SEER and SCOP data, relative to energy ratings and annual energy consumption in conformity to the EN 14825 measurement standard.
R/W = Removable/Washable

Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

Outdoor unit				MC3-Y	35M	53M	70M	88M	105M	120M	105T	140T	160T
			Configuration code		AASDQ20001	AASDQ40001	AASDQ60001	AASDQ90001	AASDP10001	AASDP20001	AASDR00001	AASDV10001	AASDV20001
Dimensions	Unit	L x D x H	mm		765x303x555	805x330x554	890x342x673	946x410x810	946x410x810	946x410x810	946x410x810	952x415x1333	952x415x1333
	Packaging	L x D x H	mm		887x337x610	915x370x615	995x398x740	1090x500x885	1090x500x885	1090x500x885	1090x500x885	1095x495x1480	1095x495x1480
Weight	Unit / Packaging		kg		26,6/29	32,5/35,2	43,9/46,9	52,8/57,3	66,9/71,5	71,0/75,0	80,5/85	103,7/118,3	107,0/121,2
Sound power level		Standard	dB(A)		62	65	69	70	70	72	70	74	75
Sound pressure level		Standard	dB(A)		53,6	56	60	62	63	63	63	63,5	64
Operating range	Cooling	Indoor T.	°C		16~32	16~32	16~32	16~32	16~32	16~32	16~32	16~32	16~32
		Outdoor T.	°C BS		-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	Indoor T.	°C		0~30	0~30	0~30	0~30	0~30	0~30	0~30	0~30	0~30
		Outdoor T.	°C BU		-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Refrigerant	Type/GWP		-		R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675
Power supply	Voltage/Frequency/Phases		V/Hz/n°		230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	400 / 50 / 3 + N	400 / 50 / 3 + N	400 / 50 / 3 + N
Current - 50Hz	Maximum fuse capacity (MFA)		A		20	20	30	30	30	30	25	25	25

refrigerant piping and connections

Set				35M	53M	70M	88M	105M	120M	105T	140T	160T
Max equivalent length	L	m		25	30	50	50	75	75	75	75	75
Max difference in level ODU / IDU	H	m		±10	±20	±25	±25	±30	±30	±30	±30	±30
Refrigerant precharge		kg / m		0,72 / 5	1,15 / 5	1,5 / 5	2 / 5	2,4 / 5	2,8 / 5	2,4 / 5	2,9 / 5	3,0 / 5
		CO_2 tons		0,49	0,78	1,01	1,35	1,62	1,89	1,62	1,96	2,03
Additional refrigerant charge		g/m		12	12	24	24	24	24	24	24	24
External diameters	Liquid	mm / inch		Φ6,35 - 1/4"	Φ6,35 - 1/4"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"
	Gas	mm / inch		Φ9,52 - 3/8"	Φ12,7 - 1/2"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"



electrical connections

Set			35M	53M	70M	88M	105M	120M	105T	140T	160T
ODU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	400 / 50 / 3 + N	400 / 50 / 3 + N	400 / 50 / 3 + N
		no. of cables / section	2 x 1,5mm² + G	2 x 1,5mm² + G	2 x 2,5mm² + G	2 x 2,5mm² + G	2 x 4mm² + G	2 x 4mm² + G	4 x 2,5mm² + G	4 x 2,5mm² + G	4 x 2,5mm² + G
	Signal	no. of cables / section	1 x 1mm²	1 x 1mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²
IDU	Power supply	V/Hz/n°	from ODU	from ODU	from ODU	from ODU	from ODU	from ODU	from ODU	from ODU	from ODU
		no. of cables / section	2 x 1mm² + G	2 x 1mm² + G	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²
	Signal	no. of cables / section	1 x 1mm²	1 x 1mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²

accessories

Standard

RG10A-D2S-BGEF	Infrared remote control for Duct/ Box/ C&F 2022 range indoor units

Optionals

WF-60A1-C	Smart port kit for the hiwall indoor unit management via Wi-Fi (it includes the adaptor and the USB key) 2022 version
Control systems	(learn more at control System Page)

CEILING & FLOOR 2 53M÷160M

37 dB(A)

CONTROL SYSTEM SPLIT VRF

A++ A+

COMFORT

- Follow Me
- Turbo
- Mute Operation (NEW)
- Stepless control compressor (NEW)
- Silent (NEW)
- 7-grades outdoor Fan speed
- Anti-cold air
- Multi directional Airflow
- Temperature Compensation

RELIABILITY

- Refrigerant Leakage Detect
- Self-diagnosis Function
- Emergency using
- Auto defrosting
- Low Ambient Cooling
- Opposite fan rotation (NEW)

CONVENIENCE

- Contact ON/OFF
- Error Alarm Port
- Louver Position Mermory
- Auto Restart
- 2 way Draining
- Timer

ENERGY SAVING

- Sleep
- Gear (NEW)

HEALTH

- Fresh Air
- i-Clean (NEW)

OPTIONAL

- Wired Control
- Central Control Mangement
- BMS Communication
- Wi-Fi Control
- Scheduler weekly

Wi-Fi
WF-60A1-C
(optional)

WIRED REMOTE CONTROL
KJR-120X2-TFBG-E
(optional)

REMOTE CONTROL
RG10A-D2S-BGEF
(standard)

IF3-XY

MC3-Y

technical data

Set				53M	70M	105M	105T	140T	160T
Cooling capacity	Standard (Min~Max)		Btu/h	18.000 (9.250~20.000)	24.000 (11.000~26.500)	36.000 (9.300~40.200)	36.000 (9.300~39.000)	48.000 (12.000~52.000)	54.000 (14.000~57.000)
	Standard (Min~Max)		kW	5,3 (2,7~5,9)	7,0 (3,2~7,8)	10,6 (2,7~11,8)	10,6 (2,7~11,4)	14,1 (3,5~15,2)	15,8 (4,1~16,7)
Heating capacity	Standard (Min~Max)		Btu/h	19.000 (8.300~21.500)	26000 (9.300~28.300)	40.000 (9.500~43.600)	40.000 (9.600~43.600)	55.000 (14.000~58.000)	62.000 (15.000~67.000)
	Standard (Min~Max)		kW	5,6 (2,4~6,3)	7,6 (2,7~8,3)	11,7 (2,8~12,8)	11,7 (2,8~12,8)	16,1 (4,1~17,0)	18,2 (4,4~19,6)
Standard power input	Cooling	Standard (Min~Max)	W	1.450 (670~2.030)	2.300 (747~2.930)	4.000 (890~4.300)	3.900 (900~4.250)	5.000 (900~5.950)	5.650 (1.100~6.650)
	Heating	Standard (Min~Max)	W	1.500 (540~1.640)	2.050 (650~2.850)	3.350 (780~3.950)	3.350 (800~3.950)	5.100 (1.000~6.050)	6.050 (1.050~7.100)
Standard current input	Cooling	Standard (Min~Max)	A	6,0 (3,2~9)	10,5 (3,9~13,1)	6,3 (1,4~6,8)	17,0 (4,2~19,0)	8,8 (1,9~10,3)	9,7 (3,2~11,5)
	Heating	Standard (Min~Max)	A	6,6 (2,7~7,3)	9,5 (3,5~12,7)	5,4 (1,3~6,2)	15,0 (3,5~17,5)	8,9 (2,1~10,5)	10,5 (2,2~12)
Seasonal efficiency[1]	Cooling	Energy eff. class	-	A++	A++	A++	A++	A++	A++
		Des. load (Pdesign)	kW	5,3	7,0	10,5	10,5	14,0	15,5
		SEER	-	6,10	6,10	6,10	6,10	6,10	6,10
		Annual energy cons.	kWh/a	305	413	574	592	809	890
	Heating Average season	Energy eff. class	-	A+	A+	A+	A+	A+	A+
		Des. load (Pdesign)	kW	4,0	5,4	8,6	8,6	11,2	11,9
		SCOP	-	4,00	4,00	4,00	4,00	4,00	4,00
		Annual energy cons.	kWh/a	1.400	1.925	2.937	3.010	4.079	4.150
	Heating Warmer season	Energy eff. class	-	A+++	A+++	A+++	A+++	A+++	A+++
		SCOP	-	5,10	5,10	5,10	5,10	5,10	5,10
Standard efficiency	EER		-	3,64	3,30	3,31	3,25	2,81	2,75
	COP		-	3,71	3,72	3,87	3,87	3,16	3,00

Indoor Unit		IF3-XY		53M	70M	105M	105M	140M	160M
Configuration code				AALFQ40001	AALFQ60001	AALFP10001	AALFP10001	AALFP30001	AALFP40001
Dimensions	Unit	L x D x H	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
	Packaging (Unit)	L x D x H	mm	1145x755x318	1145x755x318	1725x755x318	1725x755x318	1725x755x318	1725x755x318
Weight	Unit / Packaging		kg	28/33,3	28/33,1	41,5/48	41,5/48	41,7/48,5	42,3/49,2
Air filter	Type		-	R/W					
Airflow		Hi/Mid/Lo	m³/h	958/839/723	1192/1023/853	1955/1728/1504	1955/1728/1504	2100/1850/1600	2200/1950/1650
Sound power level		Hi	dB(A)	59	55	65	65	67	67
Sound pressure level		Hi/Mid/Lo	dB(A)	44/41/37	51/47/43	51/47,5/45	51,5/48/45	53/50/46	55/52/48
Control systems	Infrared remote control		-	RG10A-D2S-BGEF					
	Settable temperature		°C	17~30	17~30	17~30	17~30	17~30	17~30
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1

[1] SEER and SCOP data, relative to energy ratings and annual energy consumption in conformity to the EN 14825 measurement standard.
R/W = Removable/Washable

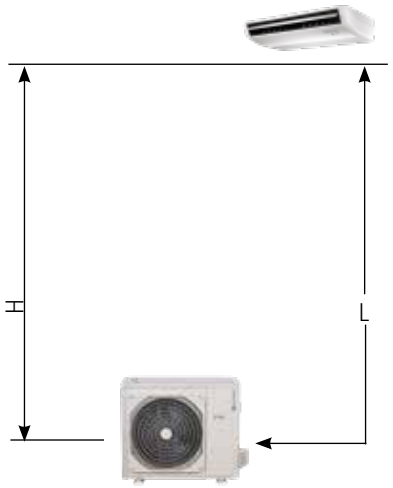
Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

LIGHT COMMERCIAL

Outdoor unit				MC3-Y	53M	70M	105M	105T	140T	160T
Configuration code					AASDQ40001	AASDQ60001	AASDP10001	AASDR00001	AASDV10001	AASDV20001
Dimensions	Unit	L x D x H		mm	805x330x554	890x342x673	946x410x810	946x410x810	952x415x1333	952x415x1333
	Packaging	L x D x H		mm	915x370x615	995x398x740	1090x500x885	1090x500x885	1095x495x1480	1095x495x1480
Weight	Unit / Packaging			kg	32,5/35,2	43,9/46,9	66,9/71,5	80,5/85,0	103,7/118,3	107,0/121,2
Sound power level			Standard	dB(A)	65	69	70	70	74	75
Sound pressure level			Standard	dB(A)	56	60	63	63	64	64
Operating range	Cooling		Indoor T.	°C	16~32	16~32	16~32	16~32	16~32	16~32
			Outdoor T.	°C BS	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating		Indoor T.	°C	0~30	0~30	0~30	0~30	0~30	0~30
			Outdoor T.	°C BU	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Refrigerant	Type/GWP			-	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675	R-32 / 675
Power supply	Voltage/Frequency/Phases			V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	400 / 50 / 3 + N	400 / 50 / 3 + N	400 / 50 / 3 + N
Current - 50Hz	Maximum fuse capacity (MFA)			A	20	30	30	25	25	25

refrigerant piping and connections

Set			53M	70M	105M	105T	140T	160T
Max equivalent length	L	m	30	50	75	75	75	75
Max difference in level ODU / IDU	H	m	±20	±25	±30	±30	±30	±30
Refrigerant precharge		kg / m	1,15 / 5	1,5 / 5	2,4 / 5	2,4 / 5	2,9 / 5	3,0 / 5
		CO_2 tons	0,78	1,01	1,62	1,62	1,96	2,03
Additional refrigerant charge		g/m	12	24	24	24	24	24
External diameters	Liquid	mm / inch	Φ6,35 - 1/4"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"	Φ9,52 - 3/8"
	Gas	mm / inch	Φ12,7 - 1/2"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"	Φ15,9 - 5/8"



electrical connections

Set			53M	70M	105M	105T	140T	160T
ODU	Power supply	V/Hz/n°	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	400 / 50 / 3 + N	400 / 50 / 3 + N	400 / 50 / 3 + N
		no. of cables / section	2 x 1,5mm² + G	2 x 2,5mm² + G	2 x 4mm² + G	4 x 2,5mm² + G	4 x 2,5mm² + G	4 x 2,5mm² + G
	Signal	no. of cables / section	1 x 1mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²
IDU	Power supply	V/Hz/n°	from ODU	from ODU	from ODU	from ODU	from ODU	from ODU
		no. of cables / section	2 x 1mm² + G	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²	2 x 1,5mm²
	Signal	no. of cables / section	1 x 1mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²	1 x 1,5mm²

accessories

Standard

RG10A-D2S-BGEF	Infrared remote control for Duct/ Box/ C&F 2022 range indoor units

Optionals

WF-60A1-C	Smart port kit for the hiwall indoor unit management via Wi-Fi (it includes the adaptor and the USB key) 2022 version
Control systems	(learn more at control System Page)

STANDING 2 140M

47 dB(A)

CONTROL SYSTEM
SPLIT VRF

A++ A+

COMFORT

- Follow Me
- 12 grades indoor Fan speed
- 7-grades outdoor Fan speed
- Anti-cold air
- Temperature Compensation

RELIABILITY

- Leakage Detec
- Self-diagnosis Function
- Emergency using
- Auto defrosting
- Low Ambient Cooling

CONVENIENCE

- Auto-restart
- Timer

ENERGY SAVING

- Sleep

REMOTE CONTROL RG10B-D-BGEF *(standard)*

IS3-XY

MC3-Y

technical data

Set				140T
Cooling capacity	Standard (Min~Max)		Btu/h	48.000 (12.000~53.500)
	Standard (Min~Max)		kW	14,1 (3,5~15,7)
Heating capacity	Standard (Min~Max)		Btu/h	55.000 (14.000~61.000)
	Standard (Min~Max)		kW	16,1 (4,1~17,9)
Standard power input	Cooling	Standard (Min~Max)	W	4.950 (900~5.950)
	Heating	Standard (Min~Max)	W	5.100 (1.000~6.200)
Standard current input	Cooling	Standard (Min~Max)	A	8,0 (1,9~10,3)
	Heating	Standard (Min~Max)	A	8,5 (1,6~10,5)
Seasonal efficiency[1]	Cooling	Energy eff. class	-	A++
		Des. load (Pdesign)	kW	14,1
		SEER	-	6,10
		Annual energy cons.	kWh/a	809
	Heating Average season	Energy eff. class	-	A+
		Des. load (Pdesign)	kW	11,1
		SCOP	-	4,00
		Annual energy cons.	kWh/a	3.885
	Heating Warmer season	Energy eff. class	-	A+++
		SCOP	-	5,10
Standard efficiency	EER		-	2,84
	COP		-	3,16

Indoor Unit			IS3-XY	140M
Configuration code				AAJSP30001
Dimensions	Unit	L x D x H	mm	629x456x1935
	Packaging (Unit)	L x D x H	mm	750x575x2055
Weight	Unit / Packaging		kg	59/77
Air filter	Type		-	R/W
Airflow		Hi/Mid/Lo	m³/h	2413/2222/2027
Sound power level		Hi	dB(A)	67
Sound pressure level		Hi/Mid/Lo	dB(A)	53/49/47
Control systems	Infrared remote control		-	RG10B-D-BGEF
	Settable temperature		°C	17~30
Power supply	Voltage/Frequency/Phases		V/Hz/n°	230 / 50 / 1

[1] SEER and SCOP data, relative to energy ratings and annual energy consumption in conformity to the EN 14825 measurement standard.
R/W = Removable/Washable

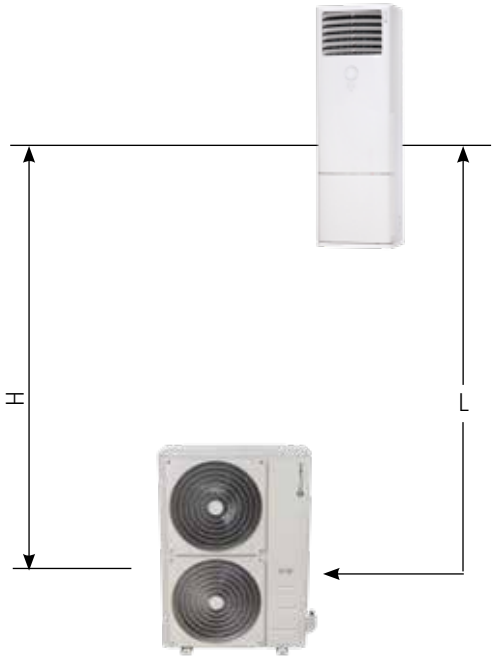
Test conditions:
according to EN14511 / EN12102
Cooling: indoor air temperature 27°C DB/19°C WB; outdoor air temperature 35°C DB/24°C WB;
Heating: indoor air temperature 20°C DB/15°C WB; outdoor air temperature 7°C DB/6°C WB.
Data declared according to UE 626/2011 delegated regulation

LIGHT COMMERCIAL

Outdoor unit			MC3-Y	140T
Configuration code				AASDV10001
Dimensions	Unit	L x D x H	mm	952x415x1333
	Packaging	L x D x H	mm	1095x495x1480
Weight	Unit / Packaging		kg	103,7/118,3
Sound power level		Standard	dB(A)	74
Sound pressure level		Standard	dB(A)	64
Operating range	Cooling	Indoor T.	°C	16~32
		Outdoor T.	°C BS	-15~50
	Heating	Indoor T.	°C	0~30
		Outdoor T.	°C BU	-15~24
Refrigerant	Type/GWP		-	R-32 / 675
Power supply	Voltage/Frequency/Phases		V/Hz/n°	400 / 50 / 3 + N
Current - 50Hz	Maximum fuse capacity (MFA)		A	25

refrigerant piping and connections

Set			140T
Max equivalent length	L	m	75
Max difference in level ODU / IDU	H	m	±30
Refrigerant precharge		kg / m	2,9 / 5
		CO_2 tons	1,96
Additional refrigerant charge		g/m	24
External diameters	Liquid	mm / inch	Φ9,52 - 3/8"
	Gas	mm / inch	Φ15,9 - 5/8"



electrical connections

Set			140T
ODU	Power supply	V/Hz/n°	400 / 50 / 3 + N
		no. of cables / section	4 x 2,5mm² + G
	Signal	no. of cables / section	1 x 1,5mm²
IDU	Power supply	V/Hz/n°	from ODU
		no. of cables / section	2 x 1,5mm²
	Signal	no. of cables / section	1 x 1,5mm²

accessories

Standard

RG10B-D-BGEF	Infrared remote control for indoor units 2022 Standing range

Optionals

Control systems	**(learn more at control System Page)**

ACCESSORIES and CONTROL SYSTEMS

Voice control: Even smarter management

Wall mounted models are now compatible with a new possibility for intelligent management: the Voice Control. Simply install the NetHome Plus skill in the Amazon Alexa or Google Assistant voice assistants to turn on and adjust the air conditioner.
If you have more than one indoor unit, open the NetHome Plus App from your Smartphone and rename them as you prefer (e.g. kitchen air conditioner): you can control all of them by calling them by name.

Try these functions:

amazon alexa

- Alexa, turn on the living room air conditioner
- Alexa, set the kitchen air conditioner in Cooling mode
- Alexa, set the living room air conditioner in Dehumidification
- Alexa, set the air conditioner at 26 degrees
- Alexa, set the living room air conditioner at low speed

Try these functions:

works with the Google Assistant

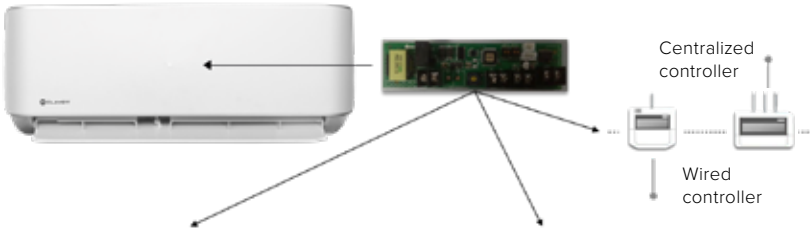
- OK Google, turn on the living room air conditioner
- OK Google, set the kitchen air conditioner in Cooling mode
- OK Google, set the living room air conditioner in Dehumidification
- OK Google, set the air conditioner at 26 degrees
- OK Google, set the living room air conditioner at low speed

ACCESSORIES and CONTROL SYSTEMS

Multifunction kit

The multi-function kits offer several options for managing SPLIT systems. More specifically, they include an XYE communication port, which is used to connect:

- Wired remote control for single unit (KRJ-120X1-TFBG-E / KRJ-120X2-TFBG-E)
- Wired centralisers (CCM30-B / CCM-180A/WS / CCM-270A/WS)
- Management systems based on Cloud servers (CCM15 data converter);
- Communication systems based on the following protocols: Modbus, LonWorks and BACnet (GW-LON(A), IMMP-BAC(A), CCM18A, CCM18ANU).




Remote alarm

Remote On/off

	REMOTE ON/OFF	REMOTE ALARM	XYE PORT (COMMUNICATION)	CONTEMPORARY MANAGEMENT TO WI-FI
MBLCX (STELVIO)	●	●	●	●
MKSSX (CRISTALLO)	●		●	

Note:

● = all the functions can be used simultaneously

● = it is necessary to choose which function to use

ACCESSORIES and CONTROL SYSTEMS

Individual control systems

RG10A4-D-BGEF (Cristallo/Essential 2) - RG10B-D-BGEF (Standing)

Standard remote controller for indoor units, allows for managing all the basic functions:

- ON/OFF - Operating mode - Temperature set-point - Fan speed - Louver direction
- Timer: allows for setting a countdown to switch the air conditioning unit on / off
- Follow Me: adjusts the air conditioning unit according to the temperature detected by the remote controller sensor
- Do Not Disturb (LED): deactivates the luminous display and buzzers of the air conditioning unit
- Self-cleaning: performs a cleaning cycle of the air conditioning unit's battery
- Turbo: conditions the air inside the room rapidly
- Management of the constant flow rate function for ductable indoor units

RG10P1-G2HS-BGEF

Standard remote controller for STELVIO units, also including the following special features:

- Temperature set-point with precision up to 0.5°C
- Fan setting with speed changes of up to 1%
- Activation / deactivation of the functions linked to the "Intelligent Eye" sensor
- Humidity management in 5% intervals
- ECO / Gear fuction

RG10X1-G2HS-BGEF

Standard remote control for Schiara 2 units, with special features:

- Temperature setpoint with accuracy down to 0.5°C
- Fan set with speed variations up to 1%.
- Cascade / Breeze away functions
- ECO / Gear function

RG10A-D2S-BGEF

Standard remote control for Duct 2 / Box 2 / C&F 2 units, with special features:

- Fan set with up to 1% speed variation
- Breeze away function
- ECO / Gear function

KJR-120X1-TFBG-E / KJR-120X2-TFBG-E

One-way wired control with display:

- Displays the room temperature
- Displays clock
- Management of constant flow rate function for ductable indoor units
- Weekly scheduler (up to 8 settings/day of on/off, mode, temperature, ventilation)
- Settable set-point limitation
- Mode change lock
- Integrated remote control receiver
- Control of individual louvers on box unit

ACCESSORIES and CONTROL SYSTEMS

Wi-Fi kit

Thanks to the Wi-Fi kit and the app compatible with iOS and Android systems, the operation of the air conditioning units can be controlled in any situation using either the remote controller or directly from a smartphone. Moreover, the app is designed to offer even more functions and enhanced ease of use.

Note: the kit is standard-supplied for STELVIO, SCHIARA 2, CRISTALLO and HYDRO-M units.

Note: To connect the Wi-Fi to the IDU that is not wall-mounted.

The Wi-Fi kit is an option for ductable units (DUCT 2), box-type systems (BOX 2) and floor & ceiling systems (CEILING&FLOOR 2), using the dedicated adapters.

WF-60A1-C

KFR-120Q-EDFJB-B

The connection of the WF-601-C accessory excludes the possibility of using the XYE communication port (the remote ON/OFF function instead remains available).
The standard wire control can be used regularly by connecting it to the unit through the door in the WF-60A1-C accessory.

SLEEP FUNCTION

Energy saving by setting a night-time temperature profile

AUTO-CHECK

Monitoring of the air conditioning unit's operating status. Visualisation of any anomaly codes.

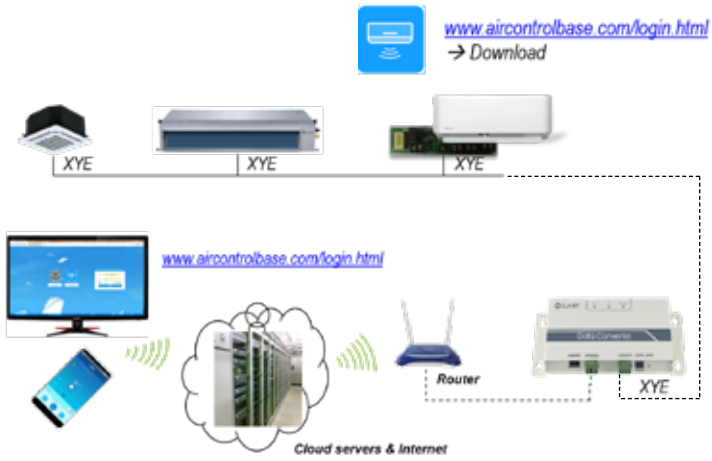
TIMER SCHEDULING

Setting of scheduled on / off functions during the week

ACCESSORIES and CONTROL SYSTEMS

Management via Cloud server (SPLIT / VRF) - CCM15

The data converter allows for remotely managing up to 64 indoor units from a PC, tablet or smartphone through the Internet.
Access to the Cloud server allows for monitoring and controlling individual units or groups.
Moreover, it allows for managing SPLIT / VRF units as if they were a single large system.



INTUITIVE CONTROL INTERFACE

- Control via the Web through software, apps or cloud servers by means of an intuitive interface.
- Control of the single unit or group
- Graphic indications based on icons and colours make the operating status of the units easy to understand.
- Full-screen display with temperature adjustment by swiping the finger.

Functions available with SPLIT systems

- On/Off
- Temperature setting
- Operating mode
- Fan speed
- Automatic swinging of the slats

Additional functions with VRF systems

- Locking of single controllers
- Weekly scheduler
- Follow Me
- Alarm visualisation

WEEKLY TIMER (ONLY FOR VRF)

Users can set a weekly schedule for both single units and groups of units; each day can be split into multiple sections. The remote controller automatically adjusts the On/Off status, operating mode and temperature setting on the basis of the schedule of each unit.

ACCESSORIES and CONTROL SYSTEMS

Control systems for groups of units (SPLIT / VRF)

The control systems for groups of units allow for creating networks of SPLIT and VRF indoor units, also belonging to different systems.

Note: further functions are available with the VRF range

KJR-150A

Remote controller for groups of indoor units, allows for managing the basic functions of up to 16 indoor units:

- On/Off
- Operating mode
- Temperature set-point
- Automatic swinging of the slats
- Fan speed

Note: the accessory works in combination with one of the standard IDU remote controls.The remote control must be selected separately.

Only with VRF:

- Timer

Note: the individual controllers can be used normally for managing the units.

CCM30-B

Remote controller of a group (max. 64 units) or single units with touch display, allows for managing:

- ON/OFF - operating mode - temperature set-point - fan speed - automatic fins oscillation
- Management of single unit / all units

Only with VRF:

- Unit error check
- Daily switch on / off timer
- Reminder function for cleaning of the filters of the single units
- Locking of single controllers
- Visualisation of function parameters
- Alarm visualisation
- Filter cleaning reminder

Note: the individual controllers can be used normally for managing the units

CCM09 *to exhaustion*

Remote controller of a group (max. 64 units) or single units, allows for managing:

- ON/OFF - Operating mode - Temperature set-point - Fan speed - automatic fins oscillation
- Management of single unit / all units

Only with VRF:

- Unit error check
- Daily switch on / off timer
- Locking of single controllers
- Visualisation of function parameters
- Alarm visualisation
- Weekly scheduler

Note: the individual controllers can be used normally for managing the units

ACCESSORIES and CONTROL SYSTEMS

CCM-180A/WS

Group control (max. 64) or individual units with 6.2" touchscreen display:

- ON/OFF - operating mode - temperature set-point - fan speed – automatic flaps oscillation
- Management of single unit / all units
- Daily / weekly / annual scheduler (ON/OFF - operation mode - temperature set - fan speed - automatic fins oscillation)

Note: not compatible with mixed SPLIT / VRF systems

Only with VRF:

- Advanced energy management settings
- Unit error check
- Locking of single controllers
- Visualisation of function parameters
- Alarm visualisation

Note: the individual controllers can be used normally for managing the units.

CCM-270A/WS

Group control (max. 384) or individual units with 10.1" touchscreen display:

- ON/OFF - operating mode - temperature set-point - fan speed – automatic flaps oscillation
- Management of single unit / all units
- Daily / weekly / annual scheduler (ON/OFF - operation mode - temperature set - fan speed - automatic fins oscillation)
- Visualization of building plans
- Connectable via LAN
- Ideal for the management of mixed SPLIT / VRF systems

Only with VRF:

- Advanced energy management settings
- Unit error check
- Locking of single controllers
- Visualisation of function parameters
- Alarm visualisation

Note: the individual controllers can be used normally for managing the units.

Communication with BMS management systems (SPLIT/VRF)

SPLIT systems can be managed with the latest home and building automation technologies, using automation systems to coordinate them with all the other systems in the building (illumination, security systems, household appliances, etc.) and optimise energy consumption.
The protocols that can be managed and their relative characteristics are specified below:

Protocol	Modbus		LonWorks	BACnet
	CCM18ANU	CCM18A	LonGW64	CCM08
Compatible with VRF / SPLIT	●	●	●	●
Max. no. of connectible units	**16**	**64**	**32**	**256**
Management of basic functions (ON/OFF - Operating mode - Fan speed)	●	●	●	●
Reading of unit parameters	●	●	●	●

Accessories FOR HYDRONIC MODULE

DHW boilers and additional heat exchanger for solar connection

The storage tanks for DHW are made of carbon steel with internal vitrification treatment and are equipped with magnesium anodic protection, inspection flange and 2kW electric heater.
All tanks are externally insulated with 70 mm rigid polyurethane to minimise heat loss and increase efficiency.

- ✓ Additional pipe coil for connection to solar thermal ELFOSun (optional)
- ✓ Inspection flange
- ✓ Magnesium anodic protection
- ✓ Carbon steel tank with vitrification treatment
- ✓ 70 mm rigid polyurethane insulation

Size			ACS200X	ACS300X	ACS500X
Performance	Net water volume	l	196	273	475
	Energy efficiency class	-	B	B	B
	Maximum water temperature	°C	95	95	95
	Insulation: Material / Medium thickness[1]	mm		PU / 70	
	Thermal dispersions	W/K	1,13	1,40	1,78
	Electric heater	kW	2	2	2
Quantity of exchangers		-	1	1	1
Bottom pipe coil	Superficie	m^2	1,5	1,8	2,2
	Internal volume	l	8,6	10,4	12,7
	Heat exchange[2]	kW	36	44	55
	Water flow rate	[m^3/h]	1,6	1,9	2,4
	Pressure drop	kPa	4	7	12,1
Maximum operating pressure		bar	10	10	10

Data according to DIN 4708 / EN 12897 / EN 15332
(1) PU = Polyurethane
(2) Water pipe coil 60/50°C / water tank 10/45°C

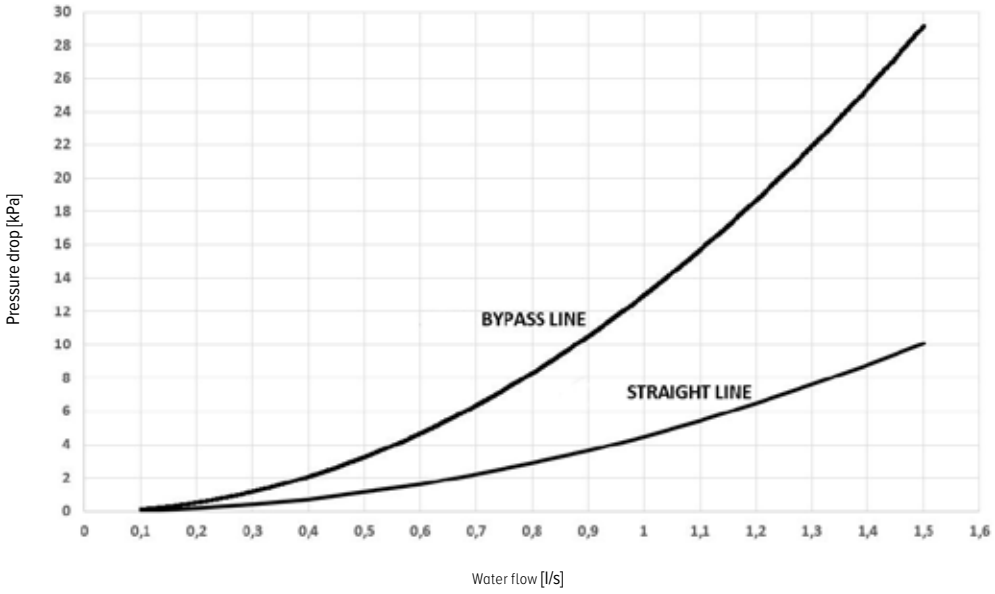
The additional heat exchanger kit is selected when connection to solar thermal is required and consists of a tinned finned copper coil and a plastic cover.

Accessories FOR HYDRONIC MODULE

3-way system/DHW switching valve

Motorised 3-way diverter valve for diverting the flow of water from the system to the domestic hot water storage tank.
The valve is electronically controlled by Hydro-M.
The valve has 1 1/4" M system and DHW connections.

3-way valve pressure drop



Water temperature probe

The water temperature probes are to be provided and connected according to the system, they are 10m long and allow wiring to the unit's board ports:

- ✓ Tk: for connection of a DHW cylinder
- ✓ TH: for connection to the return of the DHW circulation system
- ✓ TW1B: for connecting an auxiliary heat source (e.g. boiler)

ACCESSORIES

TYPE	APPARENCE	MODEL	ARTICLE CODE	DESCRIPTION	COMPATIBLE SERIES
Multifunction Kit		MBLCX	PEK100007	Multifunction board that makes the indoor unit available for Remote ON / OFF, Alarm port and XYE Port (required for connection of Wired controller, Centralized wired controller, Data Converter, BMS Gateway) ON-OFF/Alarm/XYE Port can be used simultaneously	**STELVIO** IH2-Y
		MKSSX	PEK300006 (to exhaustion PEK300007	Multifunction board that makes the indoor unit available for Remote ON / OFF, Alarm port and XYE Port (required for connection of Centralized wired controller, Data Converter, BMS Gateway) ON-OFF/Alarm/XYE Port can be used simultaneously	**CRISTALLO** IM2-XY
		M120X *to exhaustion*	PEID00001	Multifunction board that makes the indoor unit connectable to the RAC-120X-2W wired control	**DUCT 2** ID3-XY (53M/70M 105M/140M) **CEILING & FLOOR 2** IF3-XY (53M)
Kit Wi-Fi		NWMX	PEKU00017	Wi-Fi kit for indoor units	**All series except:** **ESSENTIAL 2** IL3-XY **STANDING 2** IS3-XY
		WF-60A2 *to exhaustion*	PEIA00003	Smart port kit for the hiwall indoor unit management via Wi-Fi (it includes the adaptor and the USB key)	**DUCT 2** ID3-XY **BOX 2 650x650** IB3-XY **CEILING & FLOOR 2** IF3-XY
		NEW WF-60A1-C	PEKA00002	Smart port kit for not hiwall indoor unit management via Wi-Fi (includes adapter and USB key) - 2022 version	
		*NEW* KFR-120Q-EDFJB-B	PEKA00003	Adapter for connecting indoor units Box 2 950x950 to the Wi-Fi kit (includes adapter and USB key)	**BOX 2 950x950** IA3-XY
Kit connection kit for TWIN systems		FQZHN-01D	PEVR00004	Branch Joint kit for LCAC TWIN systems	TWIN systems
NEW ACS boilers		ACS200X	PEHM00002	200L DHW storage tank with 2kW electrical heater	**HYDRO-M** IHW1-Y
		ACS300X	PEHM00003	300L DHW storage tank with 2kW electrical heater	
		ACS500X	PEHM00004	500L DHW storage tank with 2kW electrical heater	
		SCS08X	PEGM00003	0.8 m2 solar coil for installation on flange on DHW storage tank *(for ACS200X/ACS300X)*	
		SCS12X	PEGM00004	1,2 m^2 solar coil for installation on flange on DHW storage tank *(for ACS500X)*	
NEW Other accessories		3DHWX	PEIH00002	3-way valve for system/DHW	
		SGSX	PEIH00001	Water temperature probe (Tk-TH-TW1B) for IHM1-Y	

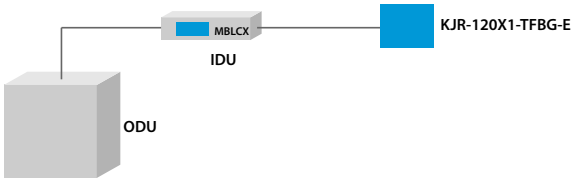
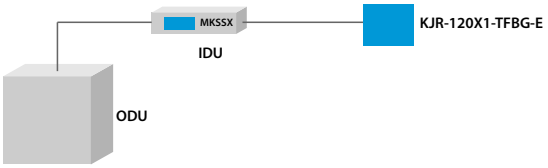
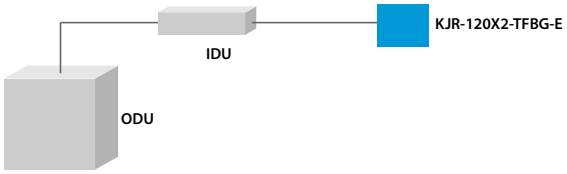
CONTROL SYSTEMS

TYPE	APPARENCE	MODEL	ARTICLE CODE	DESCRIPTION	COMPATIBLE SERIES
Infrared remote control		NEW RG10P1-G2HS-BGEF	–	Infrared remote controller for STELVIO indoor units of 2022 lineup	**STELVIO**: IH2-Y
		NEW RG10A4-D-BGEF	–	Infrared remote controller for CRISTALLO / ESSENTIAL 2 indoor units of 2022 lineup	**CRISTALLO**: IM2-XY **ESSENTIAL 2:** IL3-XY
		NEW RG10X1-G2HS-BGEF	–	Infrared remote controller for SCHIARA 2 indoor units	**SCHIARA 2**: IE2-Y
		NEW RG10A-D2S-BGEF	-	Infrared remote controller for Duct / Box / C&F indoor units of 2022 lineup	**DUCT 2:** ID3-XY **BOX 2:** IB3-XY / IA3-XY **CEILING & FLOOR 2** IF3-XY
		NEW RG10B-D-BGEF	-	Infrared remote controller for Standing of 2022 lineup	**STANDING 2**: IS3-XY
Wired control for single unit		KJR120CI *to exhaustion*	PEK100008	Wired controller for STELVIO e CRISTALLO indoor units	**STELVIO**: IH2-Y **CRISTALLO**: IM2-XY
		KJR120C1E *to exhaustion*	PEKU00014	Wired controller for SCHIARA, Duct, Box, Ceiling & Floor indoor units	**SCHIARA**: IE3-XY **DUCT 2:** ID3-XY **BOX 2:** IB3-XY/ IA3-XY **CEILING & FLOOR 2** IF3-XY
		RAC-120X-2W *to exhaustion*	PEK100009	"PREMIUM" wired control for indoor units with additional functions	**DUCT 2** ID3-XY (53M/70M 105M/140M) **CEILING & FLOOR 2** IF3-XY (53M)
		NEW KJR-120X1-TFBG-E	PEKA00004	Dual-way wired controller with weekly scheduler for hiwall indoor units	**STELVIO**: IH2-Y **CRISTALLO**: IM2-XY
		NEW KJR-120X2-TFBG-E	PEKA00005	Dual-way wired controller with weekly scheduler for Duct, Box or C&F	**DUCT 2:** ID3-XY **BOX 2:** IB3-XY / IA3-XY **CEILING & FLOOR 2** IF3-XY

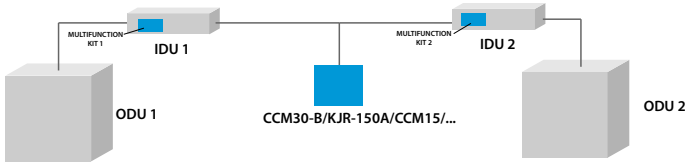
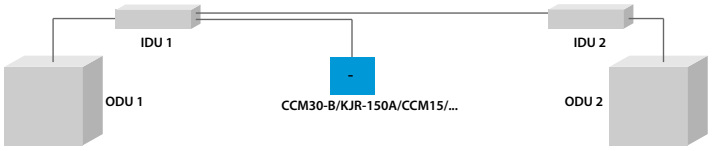
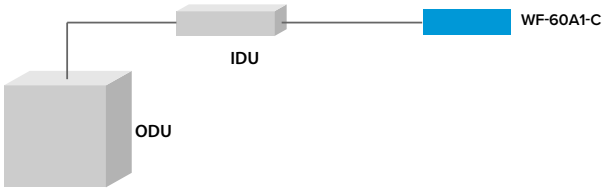
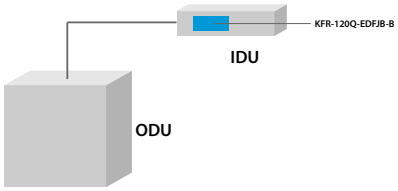
ACCESSORIES and CONTROL SYSTEMS

TYPE	APPARENCE	MODEL	ARTICLE CODE	DESCRIPTION	COMPATIBLE SERIES
Centralizzatore		KJR-150A	PEVR00029	"Control interface for group of indoor units, up to 16 indoor units *Remote control to be selected separately* "	All series except: **SCHIARA 2** IE2-Y **ESSENTIAL 2** IL3-Y **STANDING 2** IS3-XY
		CCM09 *to exhaustion*	PEVR00014	Wired centralizer with weekly scheduler, up to 64 indoor units	
		CCM30-B	PEVR00038	Wired centralizer with BMS access (with box), up to 64 indoor units	
		CCM-180A/WS	PEVR00053	Wired centralizer with 6.2" touchscreen display with weekly scheduler, up to 64 indoor units	
		CCM-270A/WS	PEVR00054	"Wired centralizer with 10.1" touchscreen display "with weekly scheduler, LAN port, up to 384 indoor units. Compatible for mixed systems VRF + SPLIT "	
Data converter		CCM15	PEVR00041	Data converter for management with Cloud, up to 64 internal units	
Gateway BMS		LonGW64 *to exhaustion*	PEVR00020	LonWorks Gateway, up to 64 indoor units	
		CCM08 *to exhaustion*	PEVR00018	BACnet Gateway, up to 256 indoor units and 128 outdoor units	
		GW-LON(A)	PEVR00083	LonWorks Gateway, up to 32 indoor units and 8 systems - compatible with V6R and HTHM	
		IMMP-BAC(A)	PEVR00085	BACnet Gateway and IMMPRO gateway, up to 256 indoor units and 32 systems - compatible with V6R and HTHM	
		CCM18A	PEVR00019	Modbus Gateway, up to 64 indoor units and 4 outdoor units	
		CCM18ANU	PEVR00031	Modbus Gateway, up to 16 indoor units	
		KNX *to exhaustion*	PEVR00035	KNX Gateway, for single indoor unit	

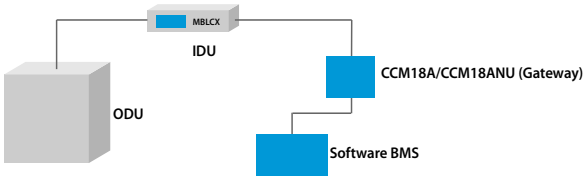
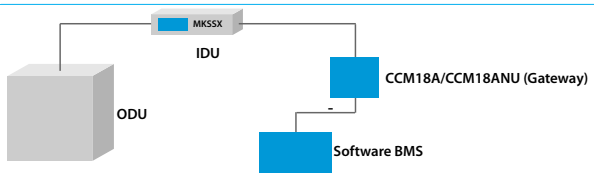
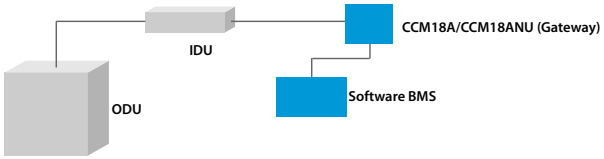
ACCESSORIES and CONTROL SYSTEMS

TYPE	CONNECTION SCHEME	COMPATIBLE SERIES
Wired control for single unit		**STELVIO** IH2-Y
	Required accessories: MBLCX (multifunction kit), KJR-120X1-TFBG-E (wired control)	
		**CRISTALLO** IM2-XY
	Required accessories: MK1X (multifunction kit), KJR-120X1-TFBG-E (wired control)	
		**DUCT 2** ID3-XY **BOX 2** IB3-XY IA3-XY **CEILING & FLOOR 2** IF3-XY
	Required accessories: KJR-120X2-TFBG-E (wired control)	

ACCESSORIES and CONTROL SYSTEMS

TYPE	CONNECTION SCHEME		COMPATIBLE SERIES
Centralized controller or Control via Cloud (App or Web Server)			**STELVIO** IH2-Y (MBLCX) **CRISTALLO** IM2-XY (MKSSX)
	Required accessories	MK1X / MKSSX (multifunction kit) CCM30-B/KJR-150A (centralized controller) CCM-180A/WS/CCM-270A/WS (centralized controller) CCM15 (data converter)	
			**DUCT 2** ID3-XY **BOX 2** IB3-XY IA3-XY **CEILING & FLOOR 2** IF3-XY
	Required accessories	CCM30-B/KJR-150A (centralized controller) CCM-180A/WS/CCM-270A/WS (centralized controller) CCM15 (data converter)	
Wi-Fi			**DUCT 2** ID3-XY **BOX 2 650x650** IB3-XY **CEILING & FLOOR 2** IF3-XY
	Required accessories	WF-60A1-C (Smart port kit)	
			**BOX 2** **950x950** IA3-XY
	Required accessories	KFR-120Q-EDFJB-B (Smart port kit)	

COMPATIBILITY TABLE OF INDOOR / OUTDOOR UNITS

TYPE	CONNECTION SCHEME		COMPATIBLE SERIES
BMS management			**STELVIO** IH2-Y
	Required accessories	MBLCX (multifunction kit) GW-LON(A)/IMMP-BAC(A)/CCM18A/CCM18ANU (Gateway) Software BMS	
			**CRISTALLO** IM2-XY
	Required accessories	MKSSX (multifunction kit) GW-LON(A)/IMMP-BAC(A)/CCM18A/CCM18ANU/ (Gateway) Software BMS	
			**DUCT 2** ID3-XY **BOX 2** IB3-XY IA3-XY **CEILING & FLOOR 2** IF3-XY
	Required accessories	GW-LON(A)/IMMP-BAC(A)/CCM18A/CCM18ANU/ (Gateway) Software BMS	

COMPATIBILITY TABLE OF INDOOR / OUTDOOR UNIT

		STELVIO		CRISTALLO R410	CRISTALLO R32		ESSENTIAL R410
		MH1-Y	MH2-Y	MM1-X	MM1-Y	MM2-Y	ML1-X
STELVIO	IH1-Y	●	●	-	-	-	-
	IH2-Y	●	●	-	-	-	-
CRISTALLO	IM1-X	-	-	●	-	-	-
	IM1-Y	-	-	●	●	●	-
	IM1-XY	-	-	●	●	●	-
	IM2-XY	-	-	●	●	●	-
ESSENTIAL	IL1-X	-	-	-	-	-	●
	IL2-XY	-	-	-	-	-	●
	IL3-XY	-	-	-	-	-	●
BOX 650x650	IB1-XY	-	-	-	-	-	-
	IA1-X	-	-	-	-	-	-
	IB2-XY	-	-	-	-	-	-
	IB3-XY	-	-	-	-	-	-
BOX 950x950	IA1-X	-	-	-	-	-	-
	IA2-XY	-	-	-	-	-	-
	IA3-XY	-	-	-	-	-	-
DUCT	ID1-X	-	-	-	-	-	-
	IU1-X	-	-	-	-	-	-
	ID1-XY	-	-	-	-	-	-
	ID2-XY	-	-	-	-	-	-
	ID3-XY	-	-	-	-	-	-
C&F	IF1-X	-	-	-	-	-	-
	IF2-XY	-	-	-	-	-	-
	IF3-XY	-	-	-	-	-	-
STANDING	IS1-X	-	-	-	-	-	-
	IS2-XY	-	-	-	-	-	-
	IS3-XY	-	-	-	-	-	-
HYDRO-M	IHM1-Y	-	-	-	-	-	-

COMPATIBILITY TABLE OF INDOOR / OUTDOOR UNIT

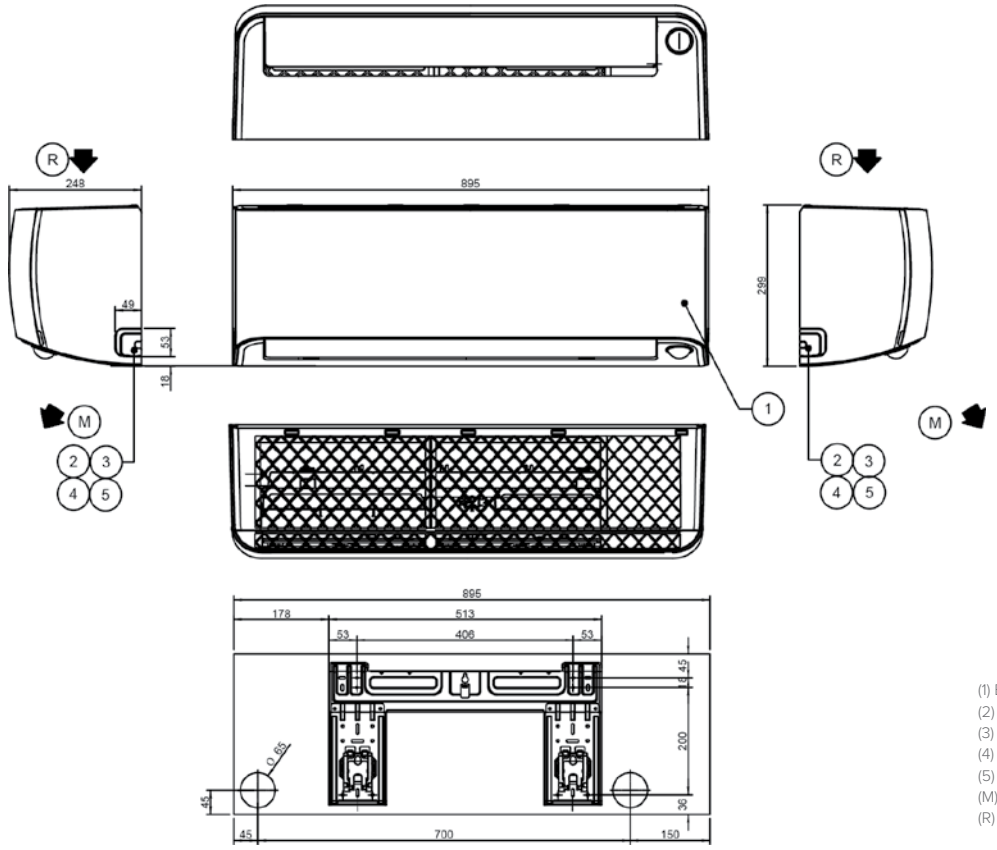
ESSENTIAL 2		ODU-SM R410	ODU-SM 2		ODU-SL R410	ODU-SL 2	
ML2-Y	ML3-Y	MU1-X	MU1-Y	MU2-Y	MC1-X	MC2-Y	MC3-Y
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	●	-	-	-	-	-
-	-	●	●	●	-	-	-
-	-	●	●	●	-	-	-
-	-	●	●	●	-	-	-
●	●	●	●	●	-	-	-
●	●	●	●	●	-	-	-
●	●	●	●	●	-	-	-
-	-	●	● (27M-53M)	● (27M-53M)	-	-	-
-	-	-	-	-	●	-	-
-	-	●	●	●	-	●	-
-	-	●	●	●	-	-	●
-	-	-	-	-	●	-	-
-	-	-	-	-	●	●	-
-	-	-	-	-	-	-	●
-	-	●	-	-	-	-	-
-	-	-	-	-	●	-	-
-	-	●	● (35M)	● (35M)	●	● (NO 35M/53M)	-
-	-	●	●	●	● (NO 53M)	●	-
-	-	●	●	●	-	-	●
-	-	●	●	●	●	● (NO 53M)	-
-	-	●	●	●	● (NO 53M)	●	-
-	-	●	●	●	-	-	●
-	-	-	-	-	●	-	-
-	-	-	-	-	-	●	-
-	-	-	-	-	-	-	●
-	-	-	-	● (105M)	-	-	-

EXTERNAL DIMENSIONS

Single Split

STELVIO - Indoor unit

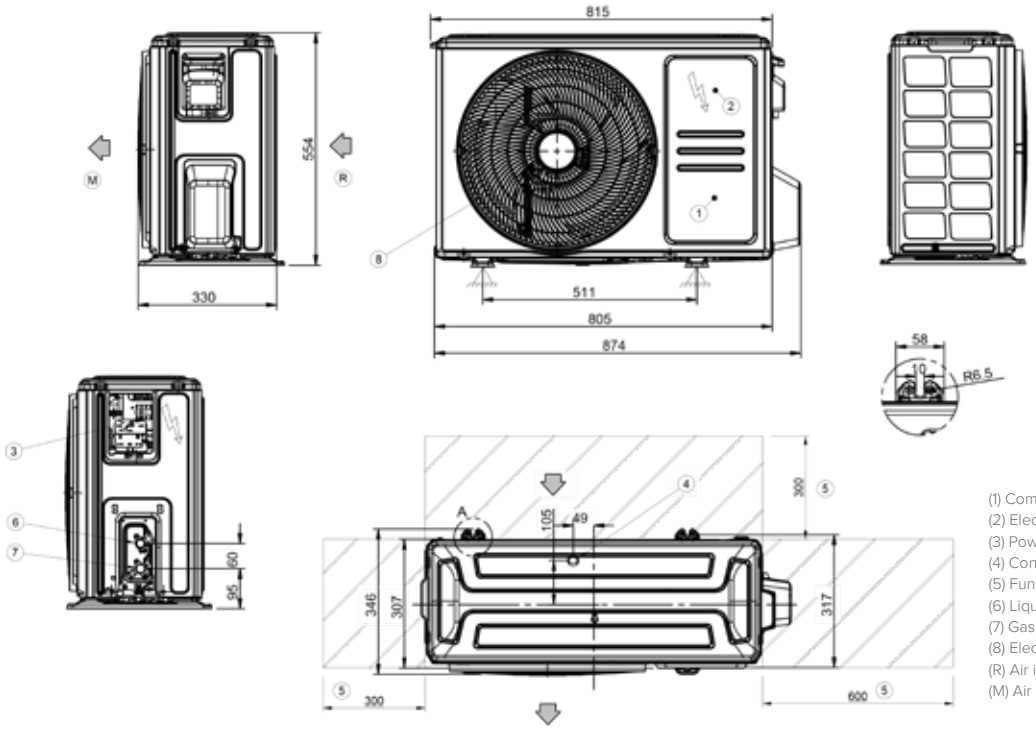
IH2-Y 27M ÷ 35M



(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

STELVIO - Outdoor unit

MH2-Y 27M ÷ 35M



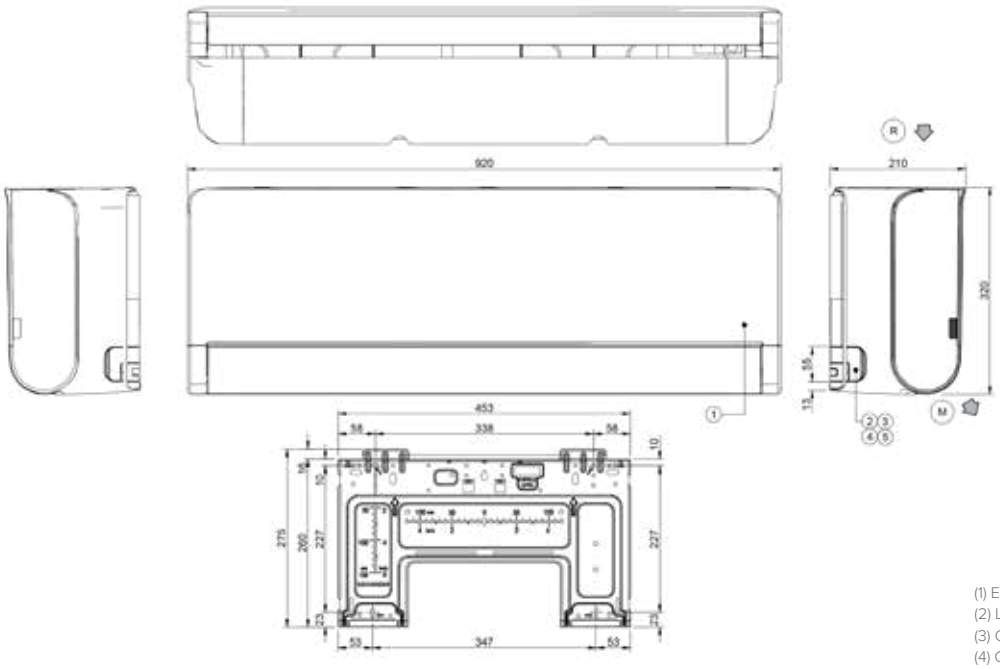
(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter (ø 6.35 mm)
(7) Gas pipe connecter (ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

Unit of measurement: mm

EXTERNAL DIMENSIONS

SCHIARA 2- Indoor unit

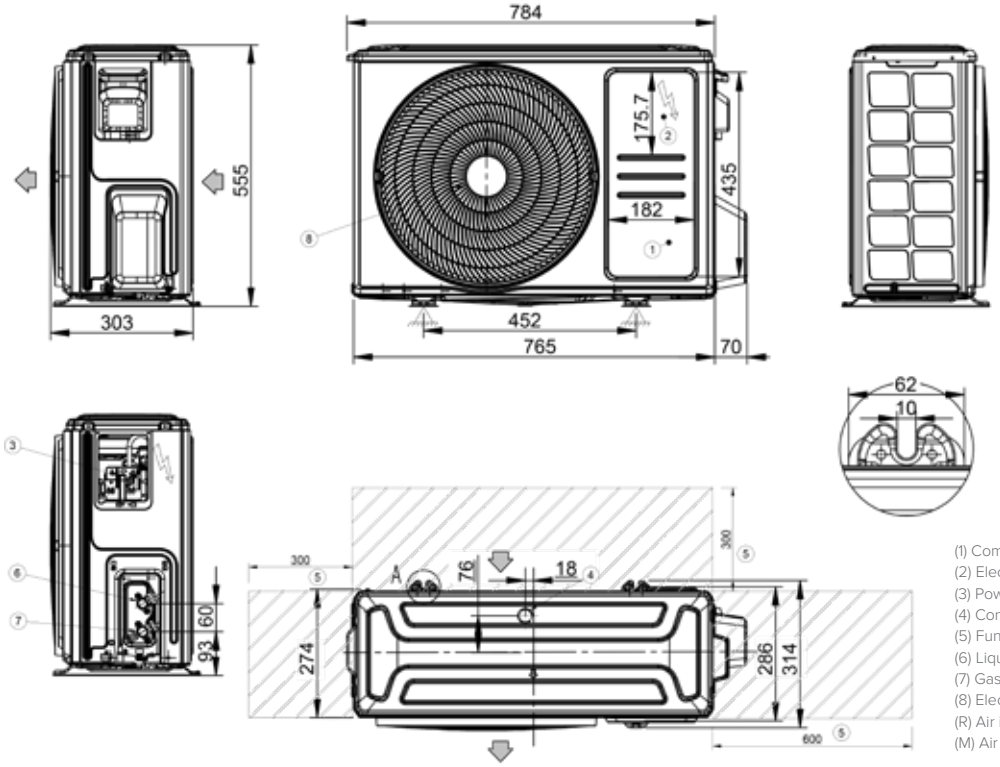
IE2-Y 27M÷ 35M



(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

SCHIARA 2- Outdoor unit

ME2-Y 27M÷35M



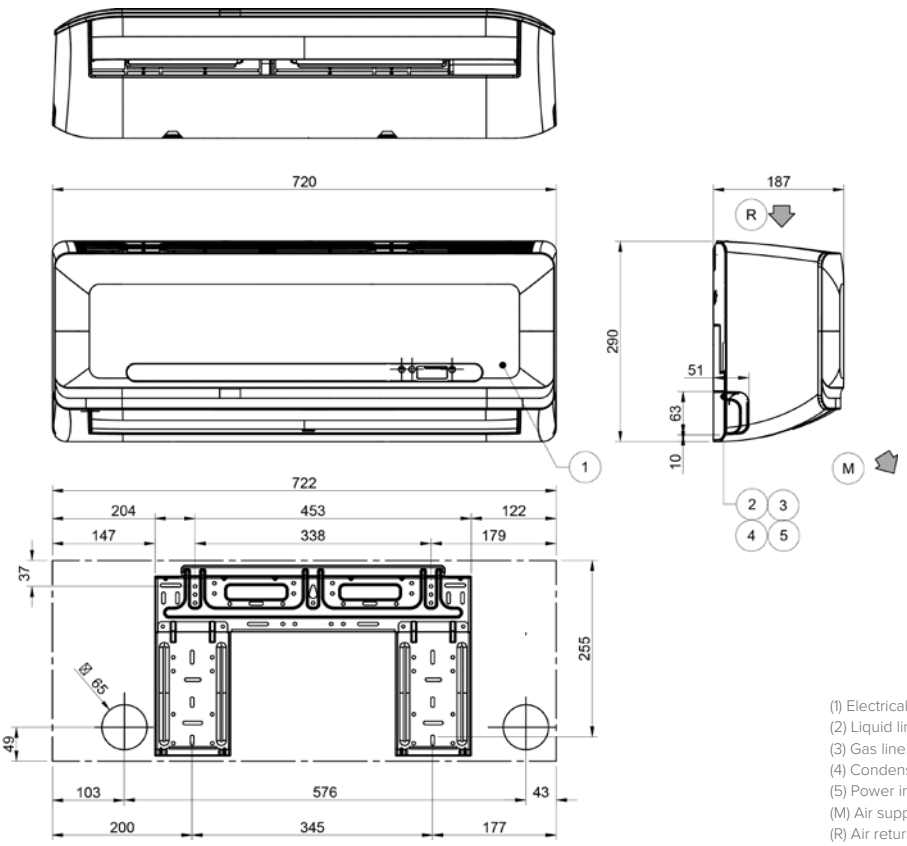
(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter (ø 6.35 mm)
(7) Gas pipe connecter (ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

Unit of measurement: mm

EXTERNAL DIMENSIONS

CRISTALLO - Indoor unit

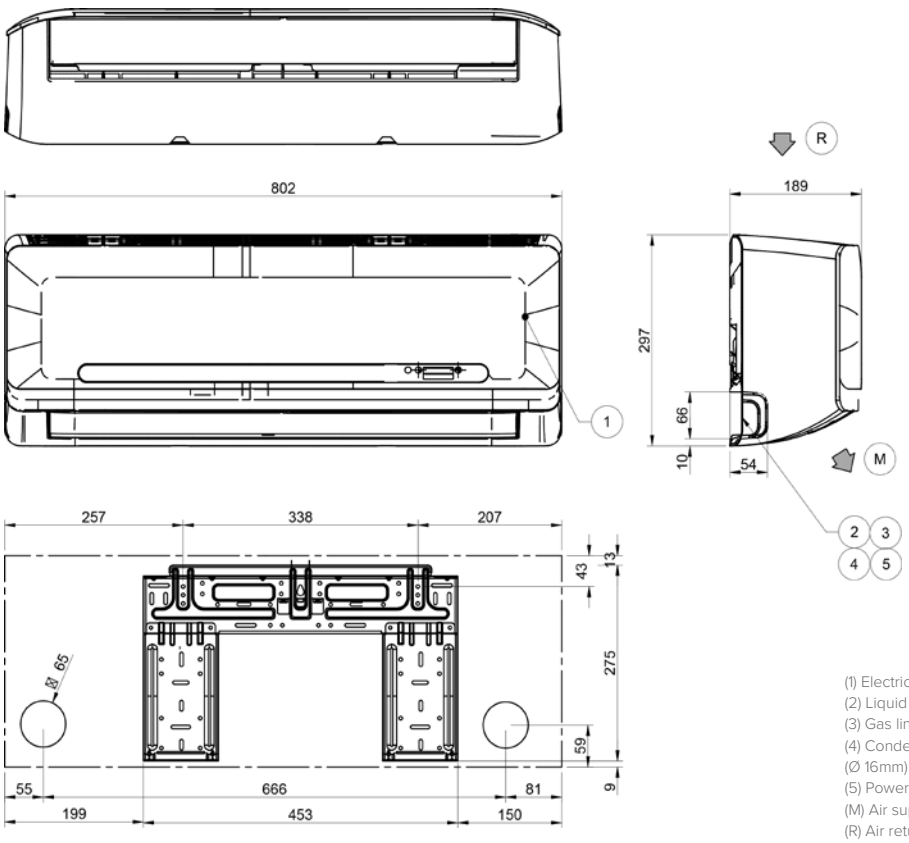
IM2-XY 27M



(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

CRISTALLO - Indoor unit

IM2-XY 35M



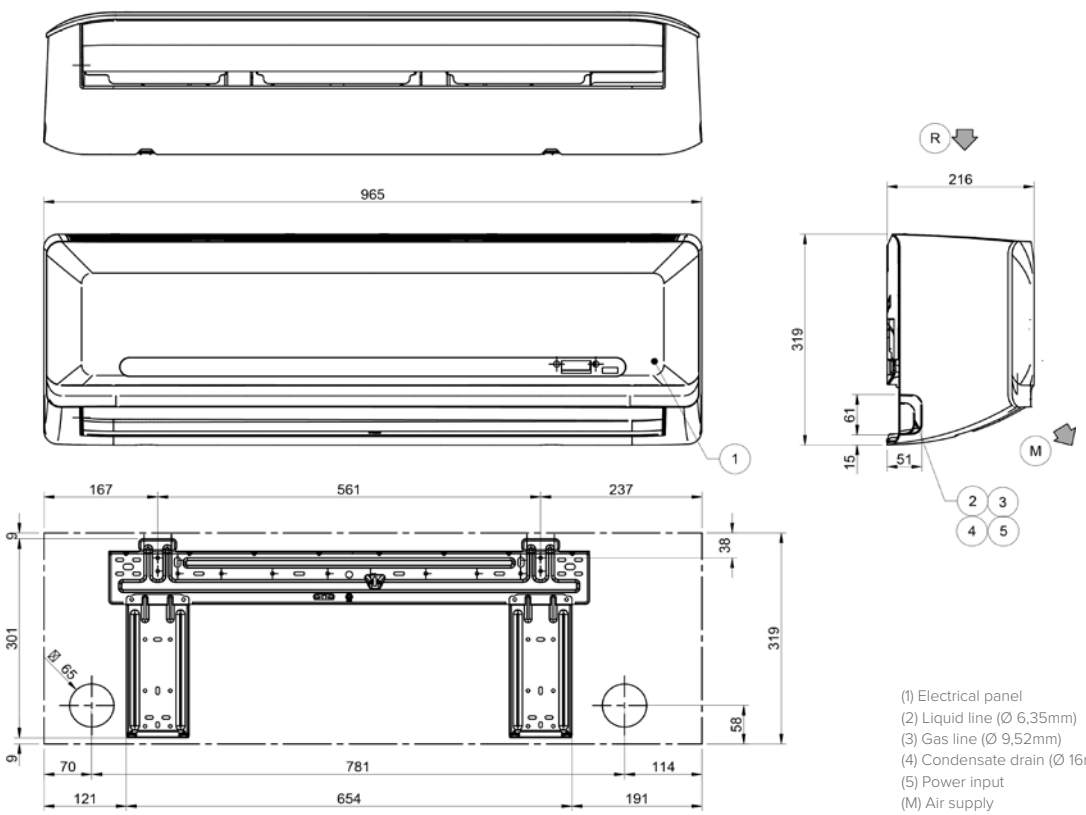
(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 12,7mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

Unit of measurement: mm

EXTERNAL DIMENSIONS

CRISTALLO - Indoor unit

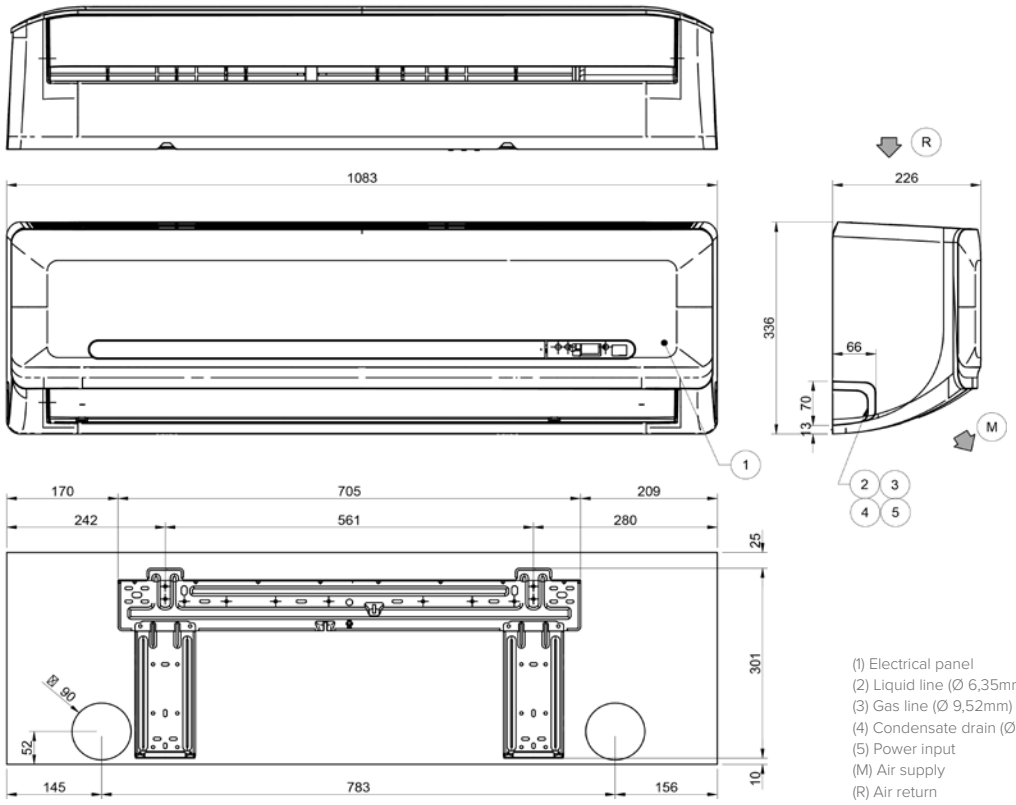
IM2-XY 53M



(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

CRISTALLO - Indoor unit

IM2-XY 70M



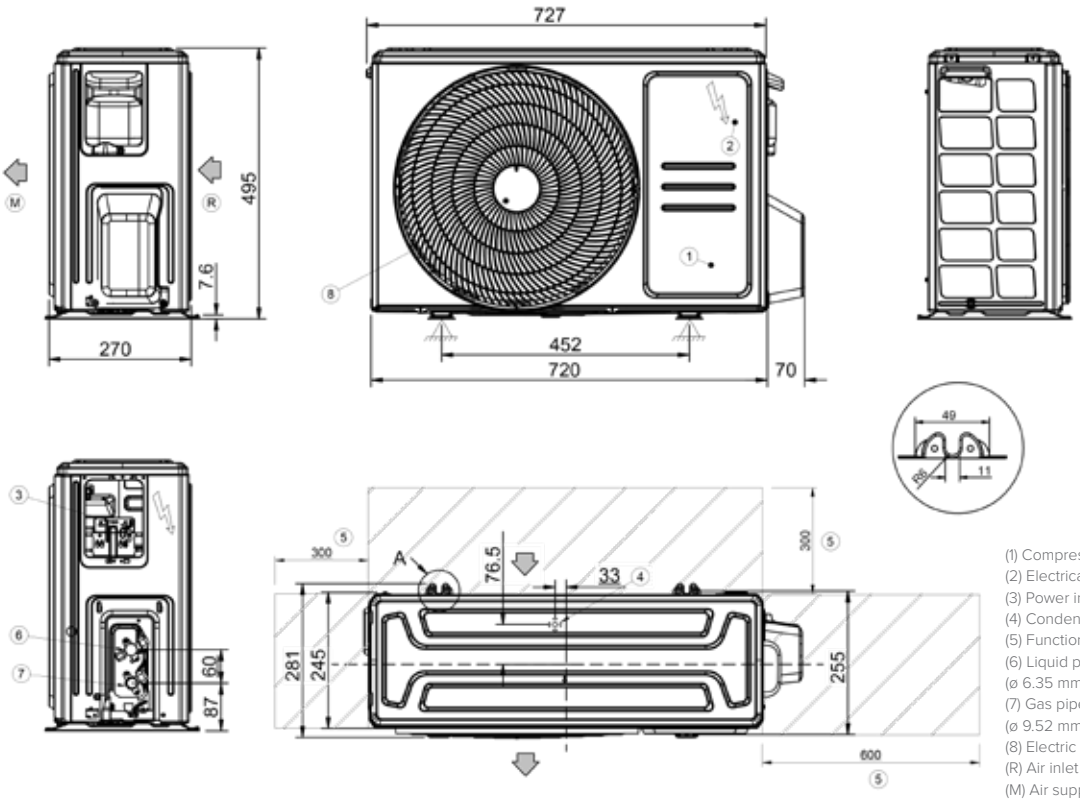
(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

Unit of measurement: mm

EXTERNAL DIMENSIONS

CRISTALLO - Outdoor unit

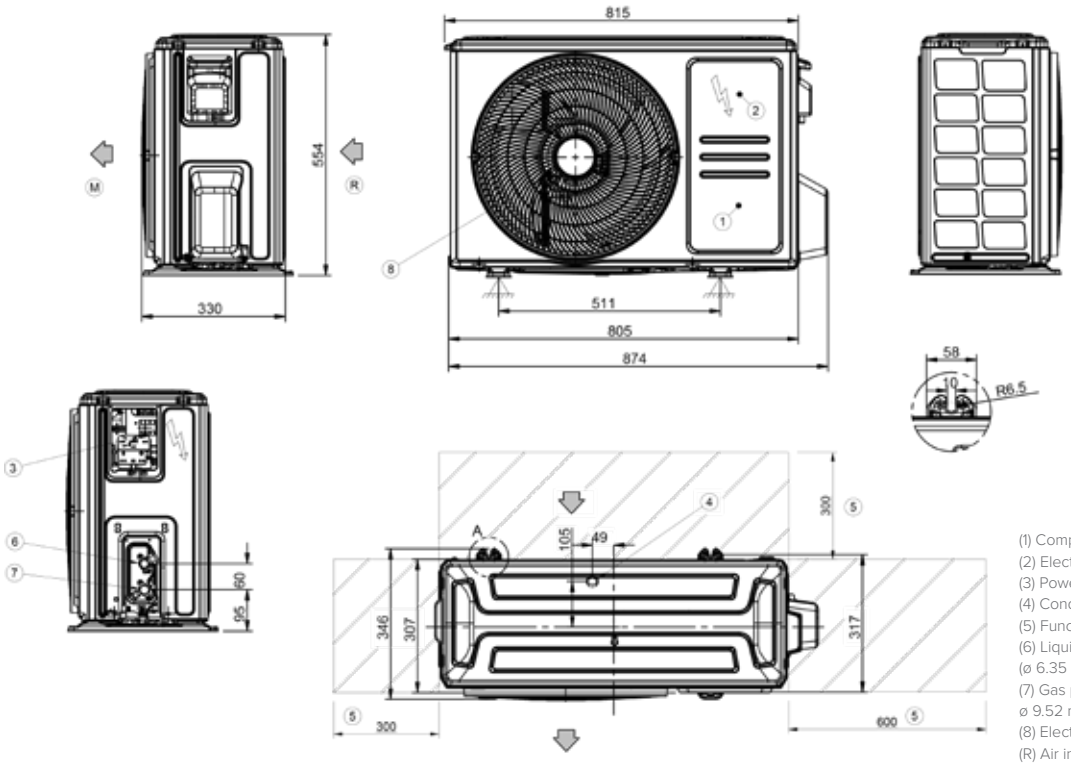
MM2-Y 27M ÷ 35M



(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter (ø 6.35 mm)
(7) Gas pipe connecter (ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

CRISTALLO - Outdoor unit

MM2-Y 53M



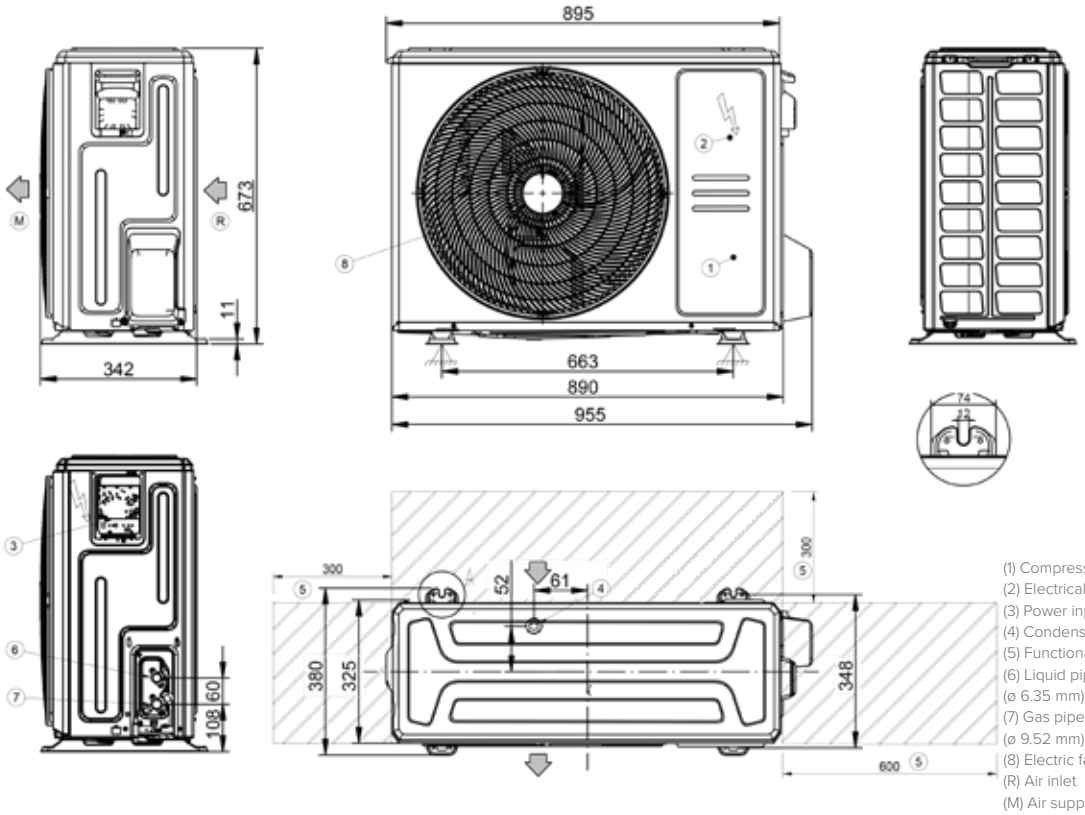
(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter (ø 6.35 mm)
(7) Gas pipe connecter (ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

Unit of measurement: mm

EXTERNAL DIMENSIONS

CRISTALLO - Outdoor unit

MM2-Y 70M



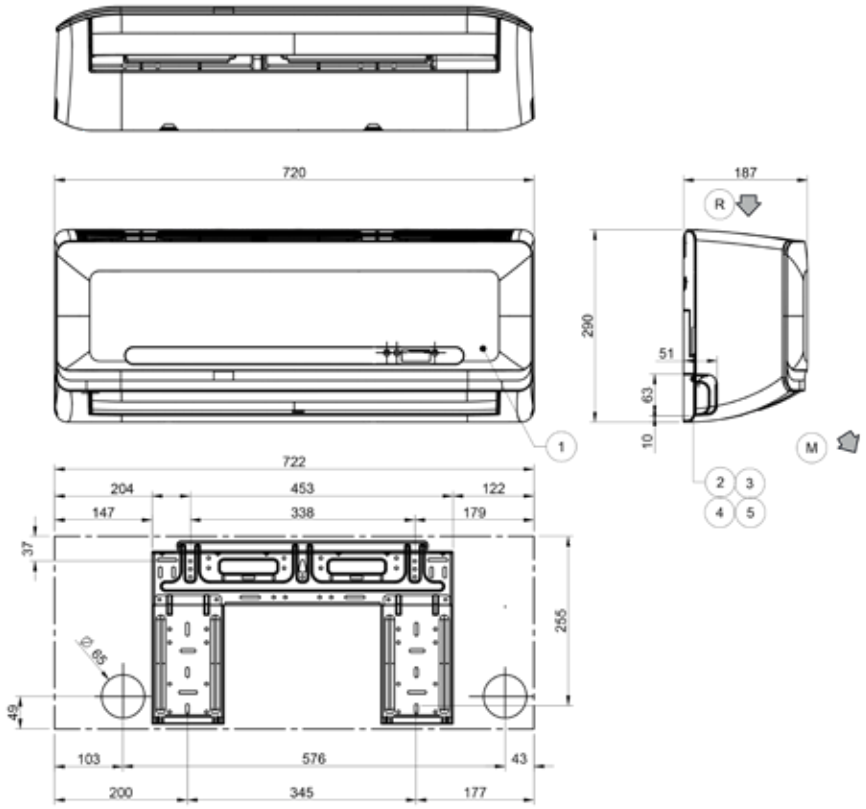
(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter (ø 6.35 mm)
(7) Gas pipe connecter (ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

Unit of measurement: mm

EXTERNAL DIMENSIONS

ESSENTIAL 2- Indoor unit

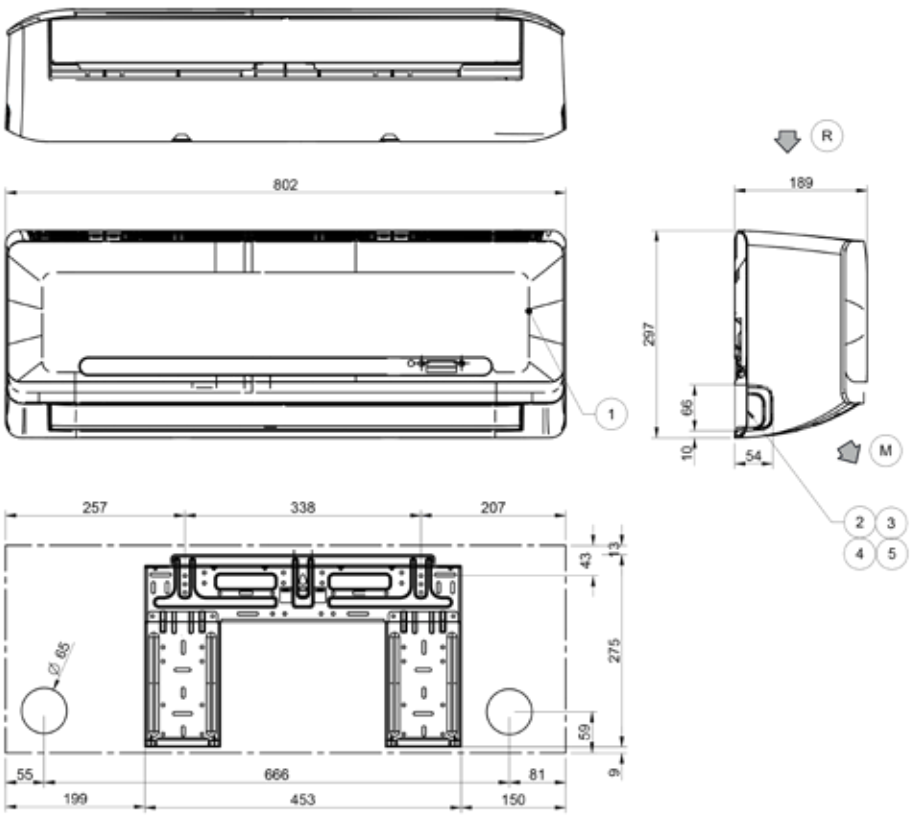
IL3-XY 27M



(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

ESSENTIAL 2 - Indoor unit

IL3-XY 35M



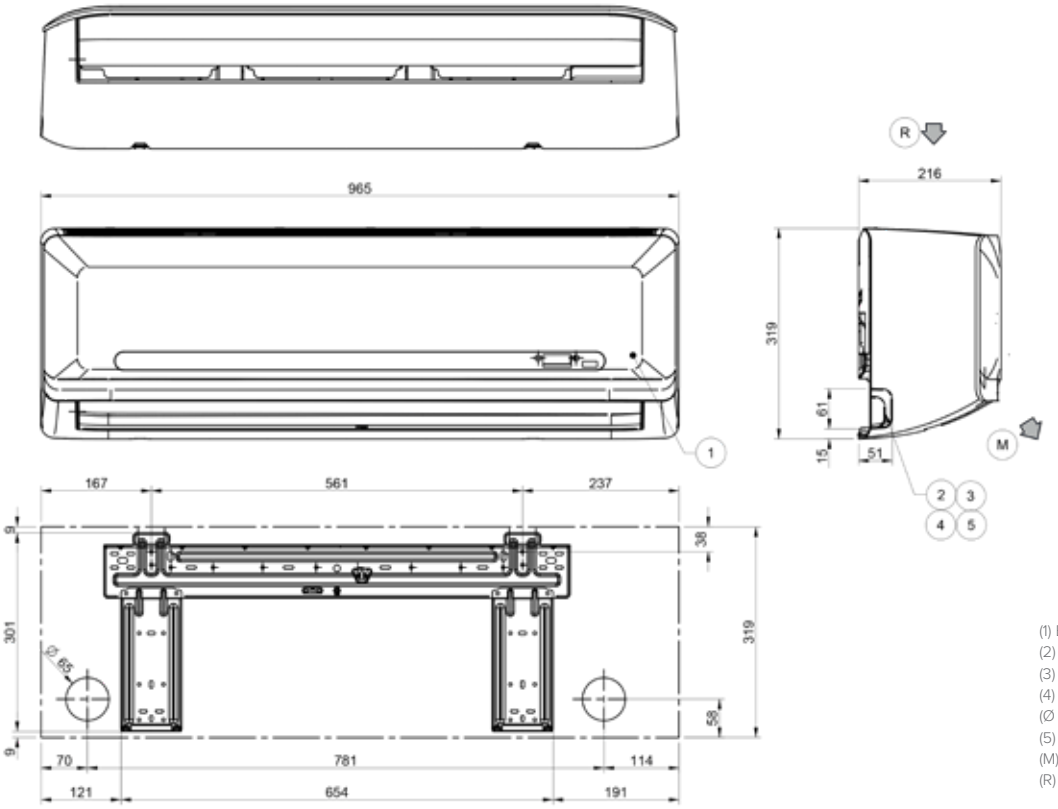
(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

Unit of measurement: mm

EXTERNAL DIMENSIONS

ESSENTIAL 2 -Indoor unit

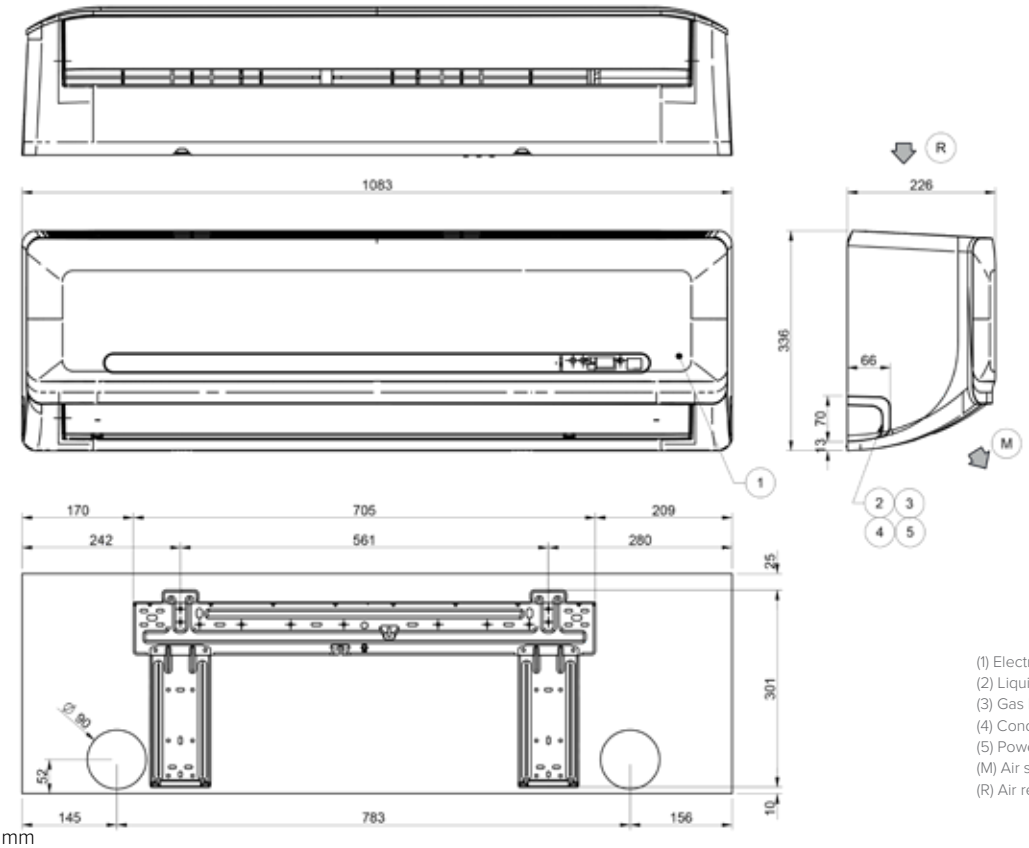
IL3-XY 53M



(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 12,7mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

ESSENTIAL 2- Indoor unit

IL3-XY 70M



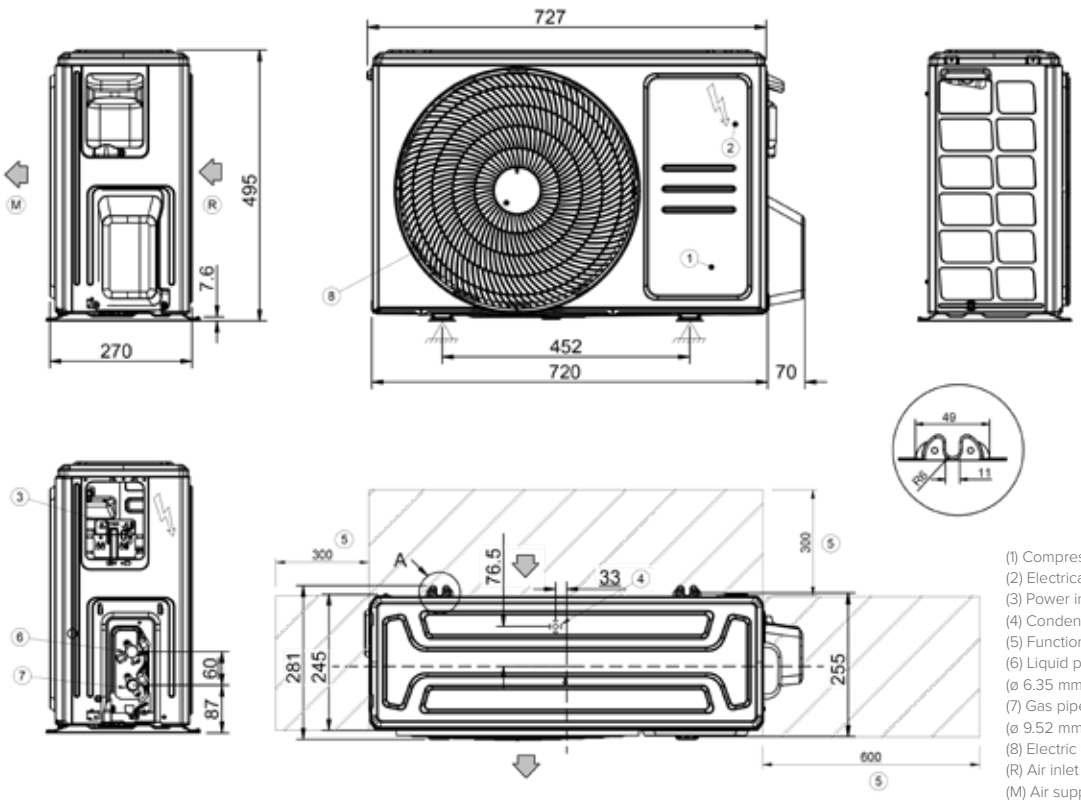
(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

Unit of measurement: mm

EXTERNAL DIMENSIONS

ESSENTIAL 2- Outdoor unit

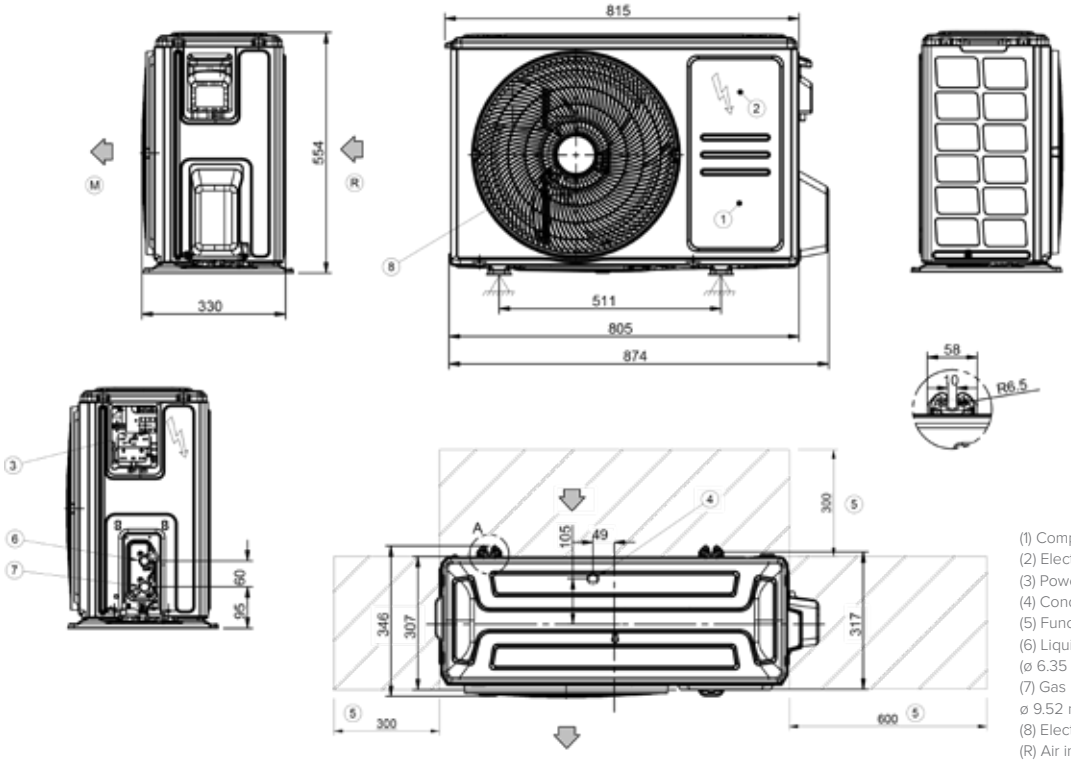
ML3-Y 27M ÷ 35M



(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter (ø 6.35 mm)
(7) Gas pipe connecter (ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

ESSENTIAL 2- Outdoor unit

ML3-Y 53M



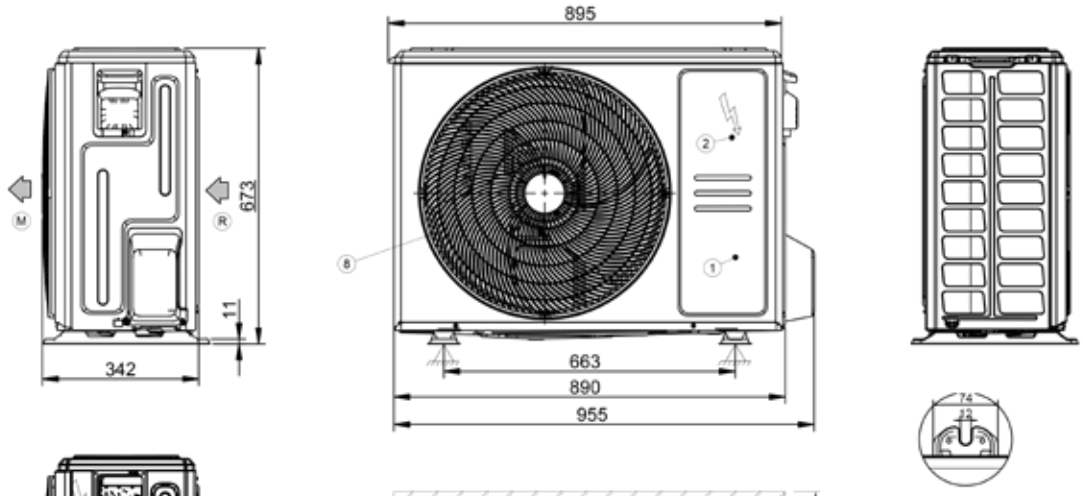
(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter (ø 6.35 mm)
(7) Gas pipe connecter (ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

Unit of measurement: mm

EXTERNAL DIMENSIONS

ESSENTIAL 2-Outdoor unit

ML3-Y 70M

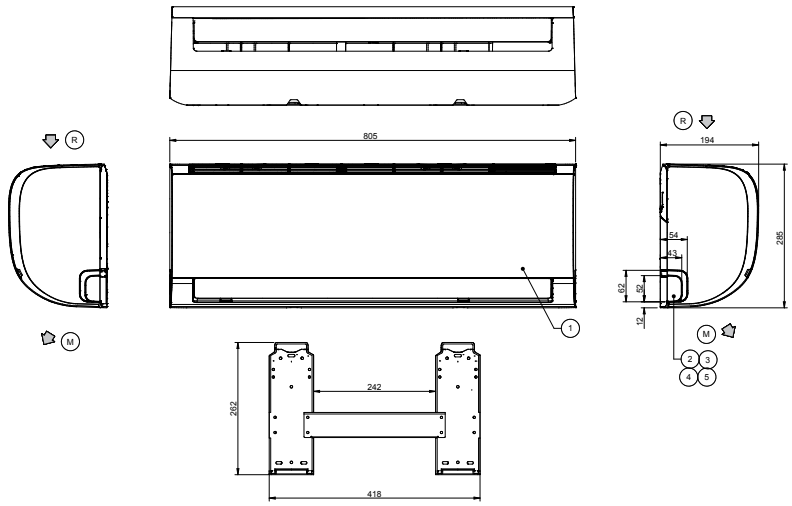


(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter (ø 6.35 mm)
(7) Gas pipe connecter (ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

Unit of measurement: mm

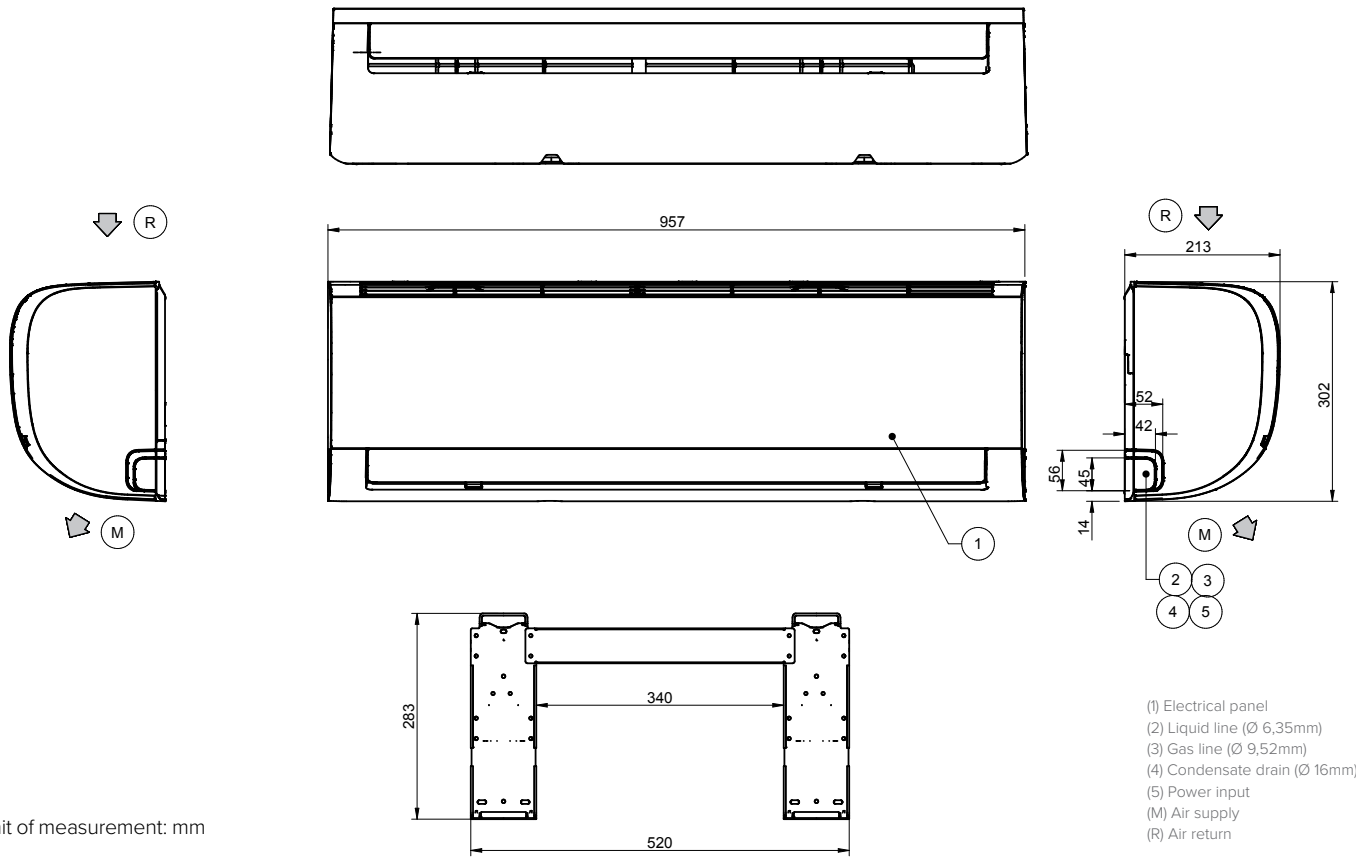
EXTERNAL DIMENSIONS

NATIV- Indoor unit IZ2-XY 27 ÷ 35M



(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

NATIV- Indoor unit IZ2-XY 53M

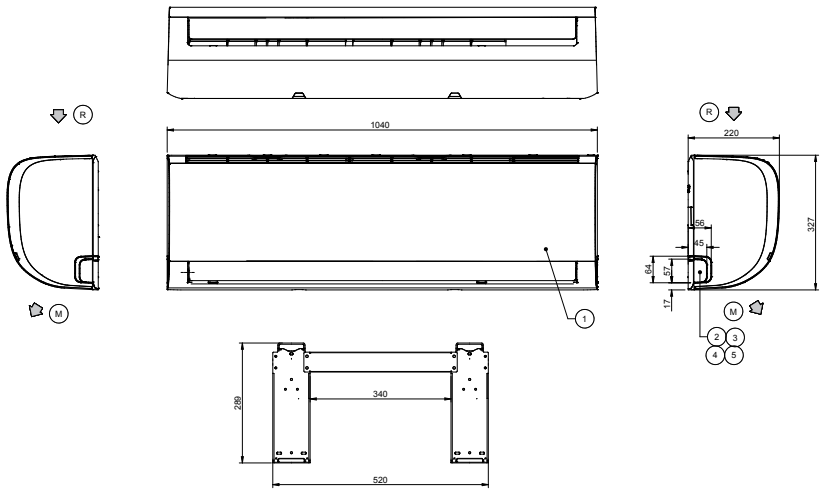


(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

Unit of measurement: mm

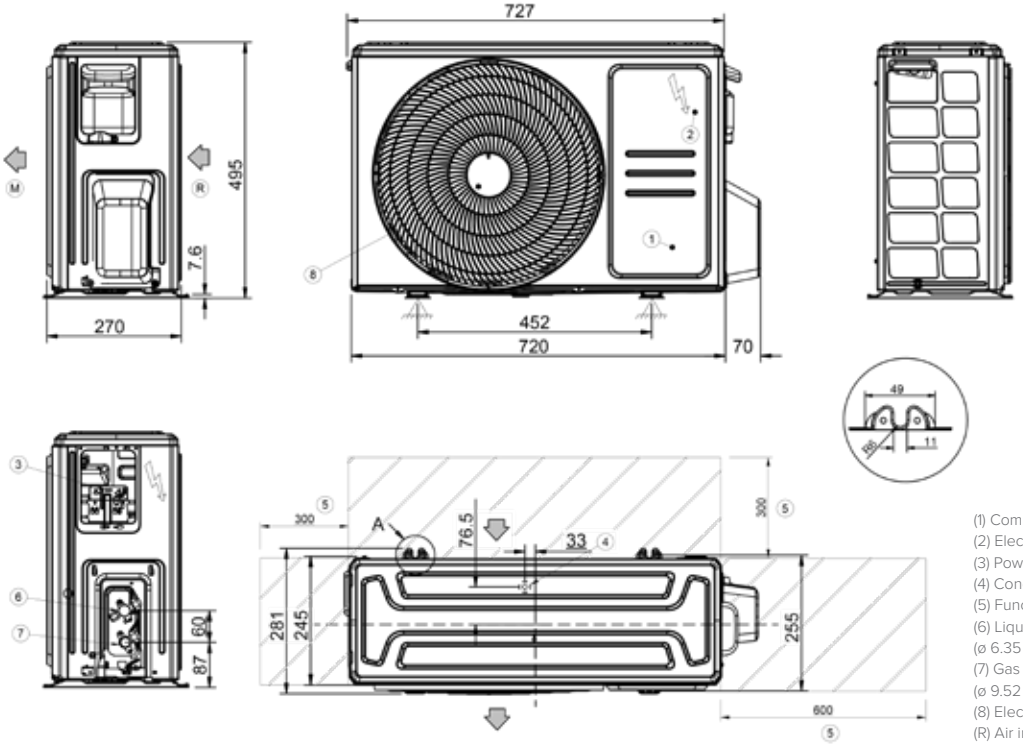
EXTERNAL DIMENSIONS

NATIV- Indoor unit — IZ2-XY 70M



(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9,52mm)
(4) Condensate drain (Ø 16mm)
(5) Power input
(M) Air supply
(R) Air return

NATIV - Outdoor unit — MZ2-Y 27 ÷ 35M

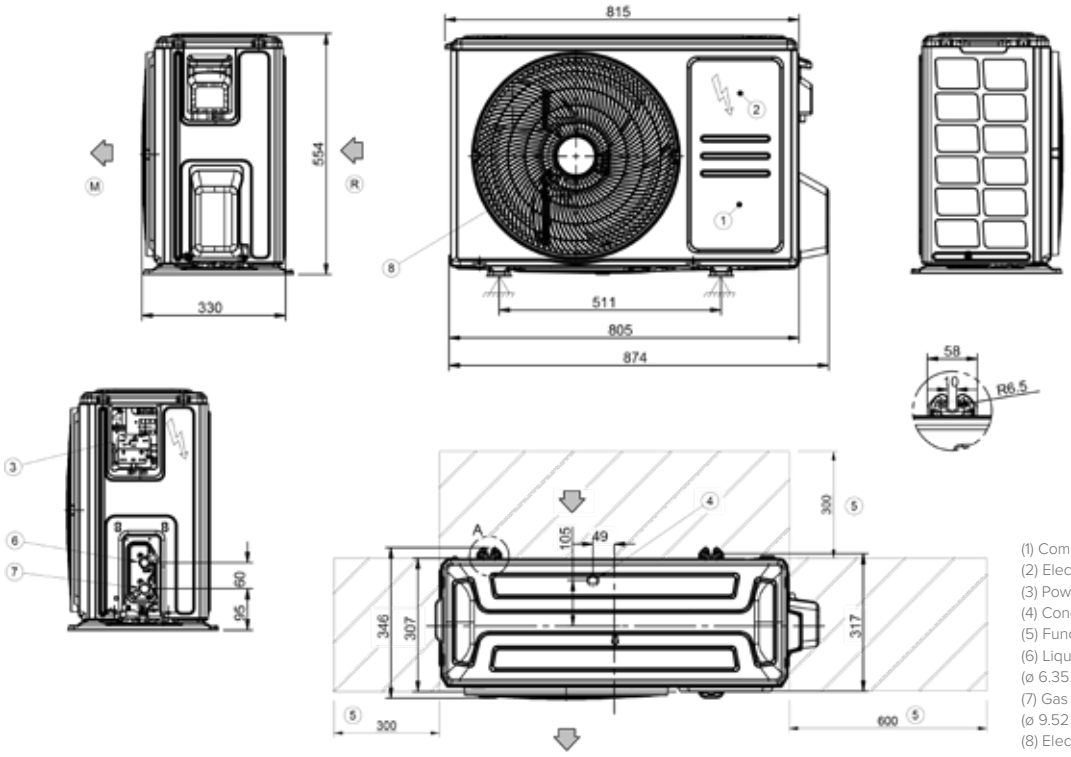


(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter (ø 6.35 mm)
(7) Gas pipe connecter (ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

Unit of measurement: mm

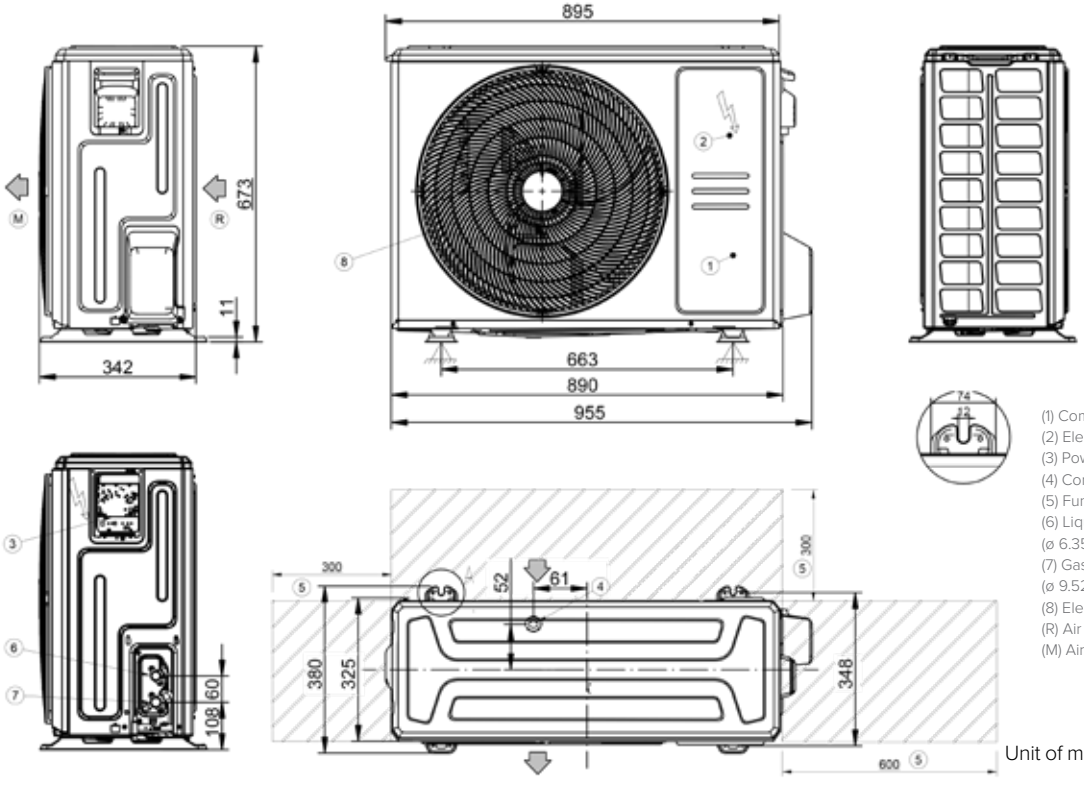
EXTERNAL DIMENSIONS

NATIV- Outdoor unit M2Z-Y 53M



(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter
(ø 6.35 mm)
(7) Gas pipe connecter
(ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

NATIV- Outdoor unit MZ2-Y 70M



(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter
(ø 6.35 mm)
(7) Gas pipe connecter
(ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

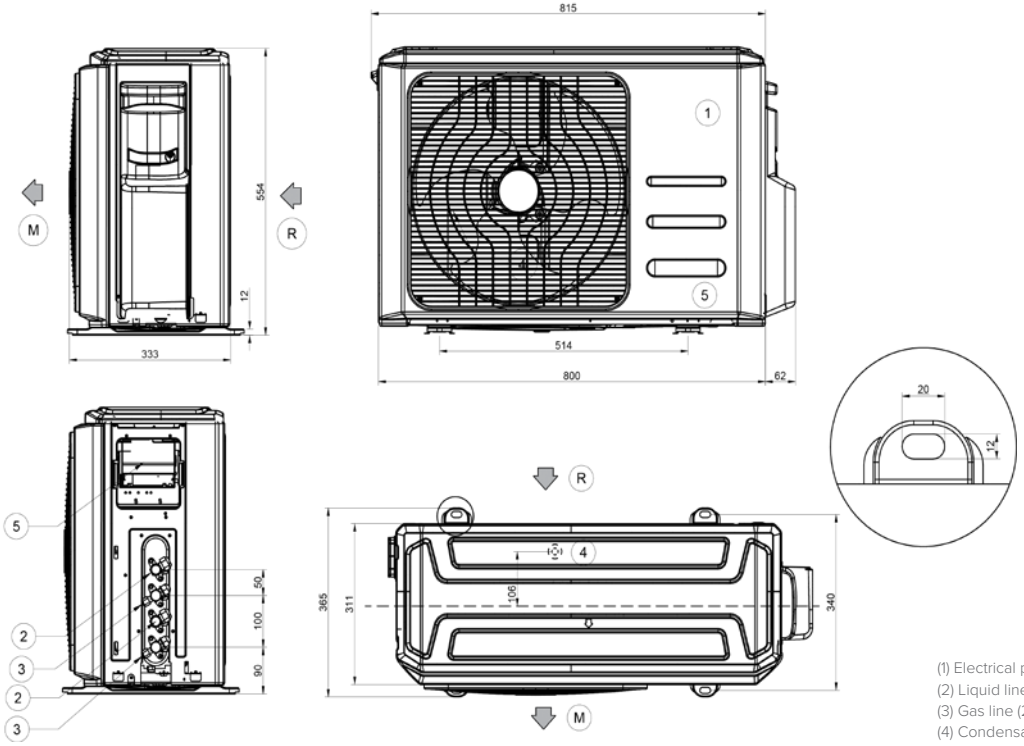
Unit of measurement: mm

EXTERNAL DIMENSIONS

Multi Split

ODU-SM 2

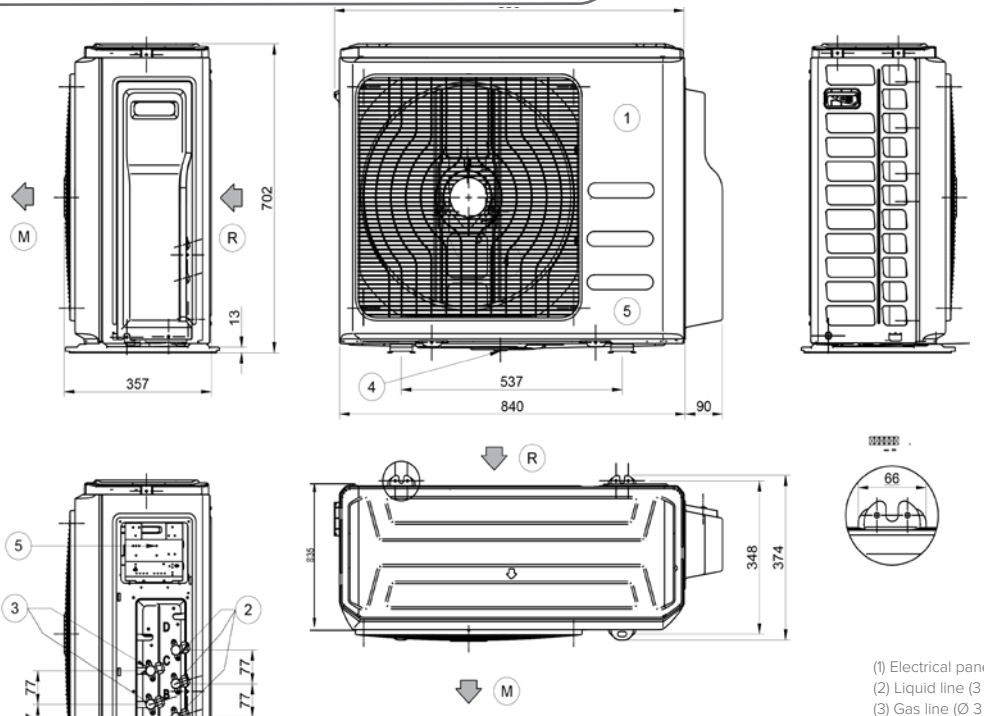
MU2-Y 41M ÷ 53M



(1) Electrical panel
(2) Liquid line (2x Ø 6,35mm)
(3) Gas line (2x Ø 9,52mm)
(4) Condensate drain
(5) Power input
(6) Compressor department
(M) Air supply
(R) Air return

ODU-SM 2

MU2-Y 61M ÷ 79M



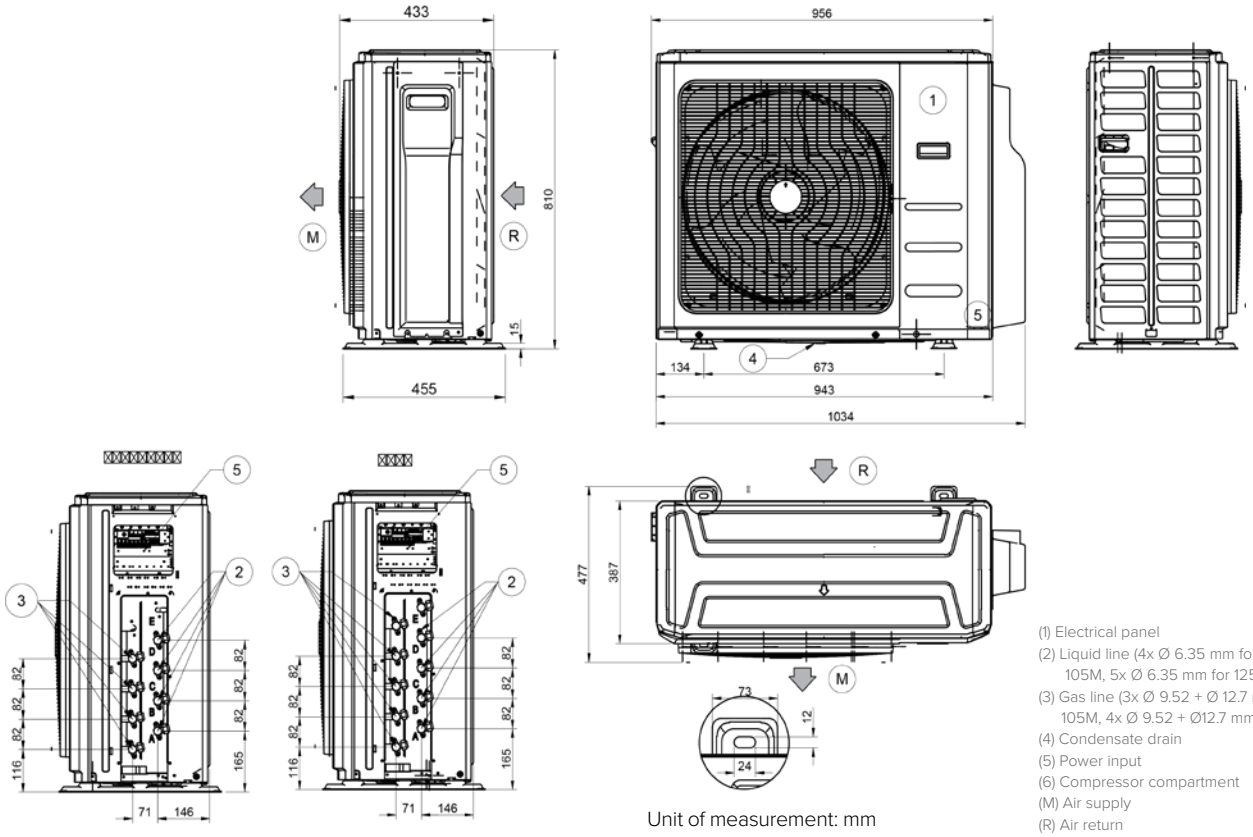
(1) Electrical panel
(2) Liquid line (3 x Ø 6,35mm)
(3) Gas line (Ø 3 x 9,52mm)
(4) Condensate drain
(5) Power input
(6) Compressor compartment
(M) Air supply
(R) Air return

Unit of measurement: mm

EXTERNAL DIMENSIONS

ODU-SM 2

MU2-Y 82M ÷ 105M÷ 125M

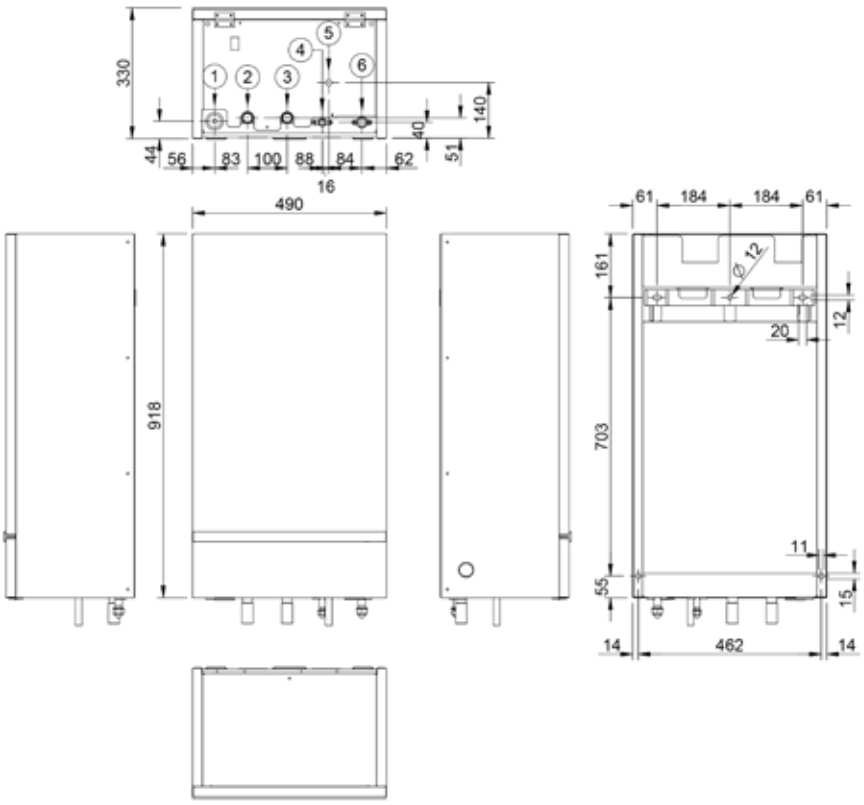


Unit of measurement: mm

(1) Electrical panel
(2) Liquid line (4x Ø 6.35 mm for 82M and 105M, 5x Ø 6.35 mm for 125M)
(3) Gas line (3x Ø 9.52 + Ø 12.7 mm for 82M and 105M, 4x Ø 9.52 + Ø12.7 mm for 125M)
(4) Condensate drain
(5) Power input
(6) Compressor compartment
(M) Air supply
(R) Air return

HYDRO-M

IHM1-Y 80M

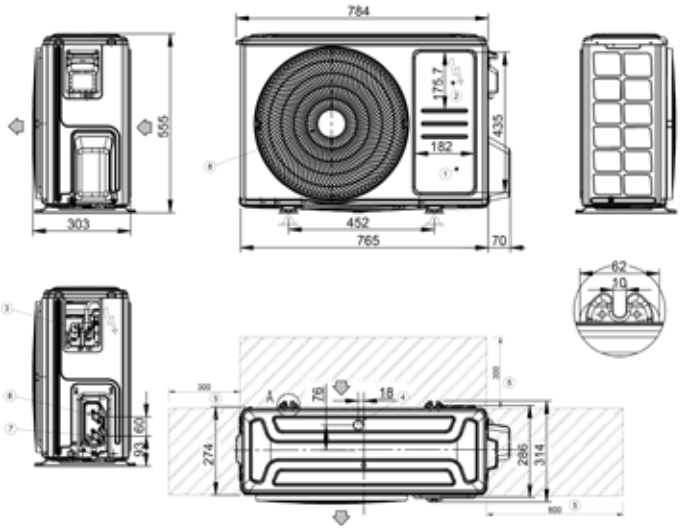


(1) Electric line inlet
(2) Water inlet ø 28
(3) Water outlet ø 28
(4) Refrigerant liquid connection ø 9.52
(5) Water drainage ø 16
(6) Refrigerant gas connection ø 18

EXTERNAL DIMENSIONS

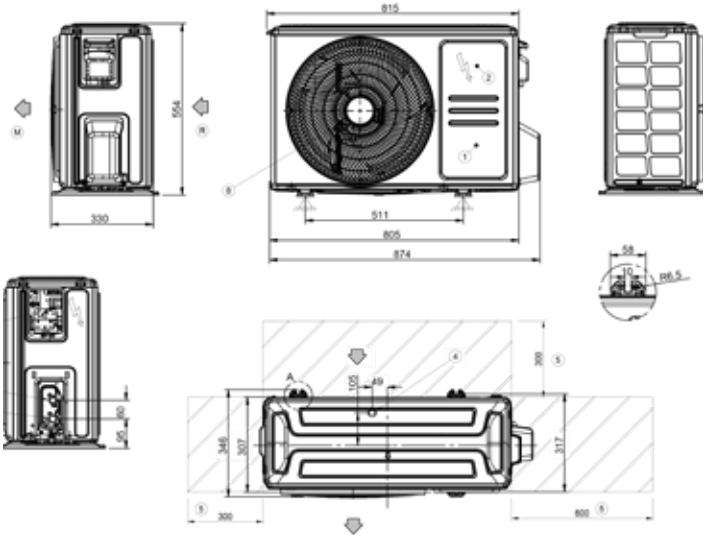
Light Commercial

ODU-SL 2 MC3-Y 35M



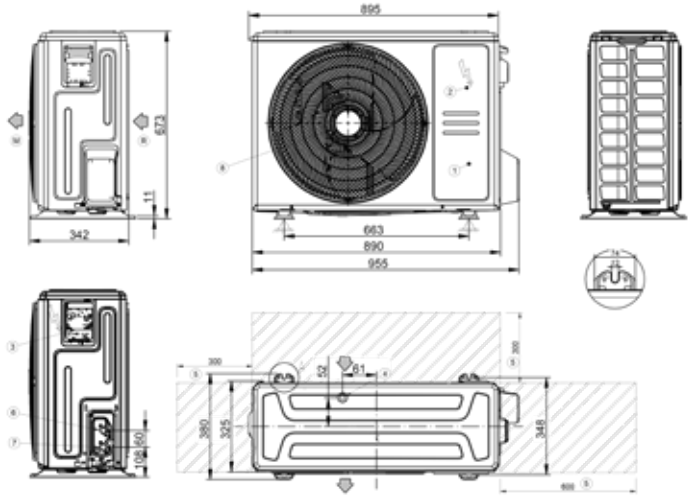
(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter
(ø 6.35 mm)
(7) Gas pipe connecter
(ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

ODU-SL 2 MC3-Y 53M

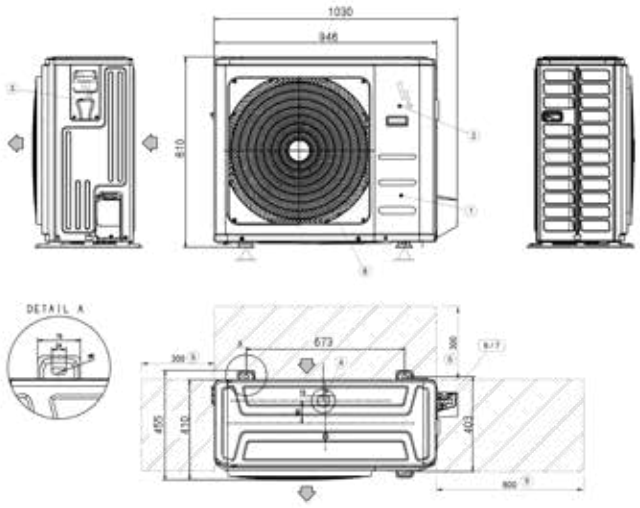


(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter
(ø 6.35 mm)
(7) Gas pipe connecter
(ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

ODU-SL 2 MC3-Y 70M



ODU-SL 2 MC3-Y 88M÷120M



Unit of measurement: mm

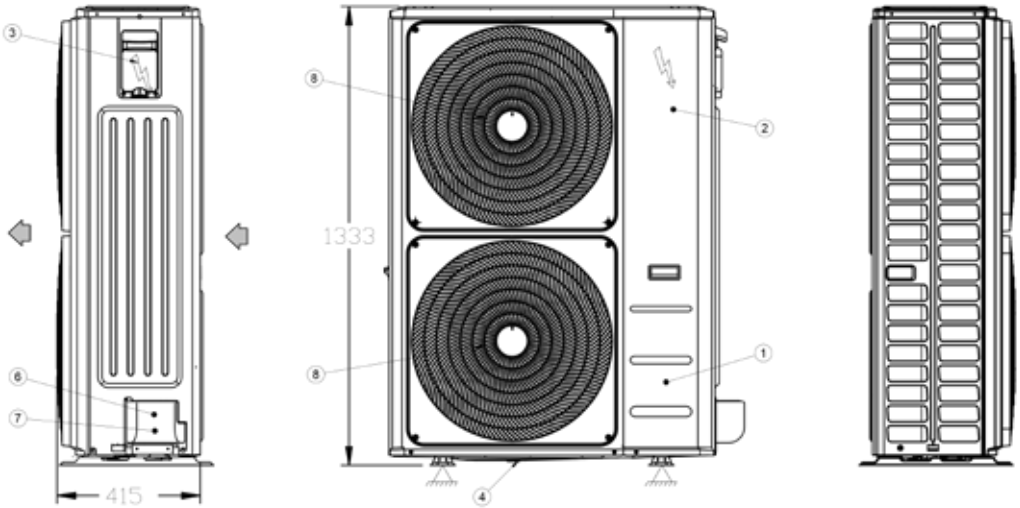
(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter
(ø 6.35 mm)
(7) Gas pipe connecter
(ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

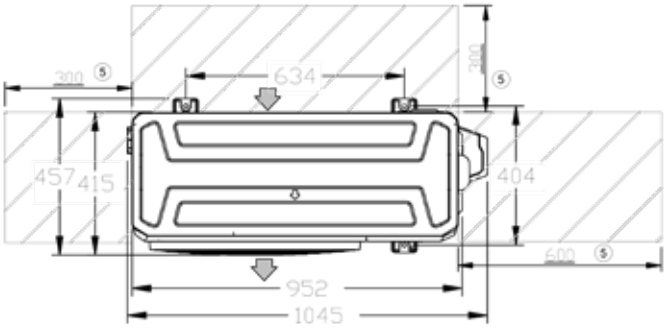
(1) Electrical panel
(2) Liquid line (4x Ø 6.35 mm for 82M and 105M, 5x Ø 6.35 mm for 125M)
(3) Gas line (3x Ø 9.52 + Ø 12.7 mm for 82M and 105M, 4x Ø 9.52 + Ø12.7 mm for 125M)
(4) Condensate drain
(5) Power input
(6) Compressor compartment
(M) Air supply
(R) Air return

EXTERNAL DIMENSIONS

ODU-SL 2

MC3-Y 140T÷160T

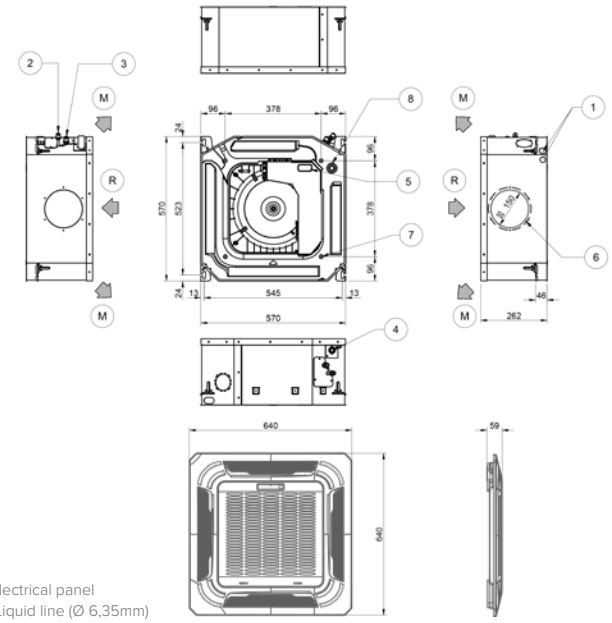




(1) Compressor enclosure
(2) Electrical panel
(3) Power input
(4) Condensate drain
(5) Functional spaces
(6) Liquid pipe connecter
(ø 6.35 mm)
(7) Gas pipe connecter
(ø 9.52 mm)
(8) Electric fan (supply-return)
(R) Air inlet
(M) Air supply

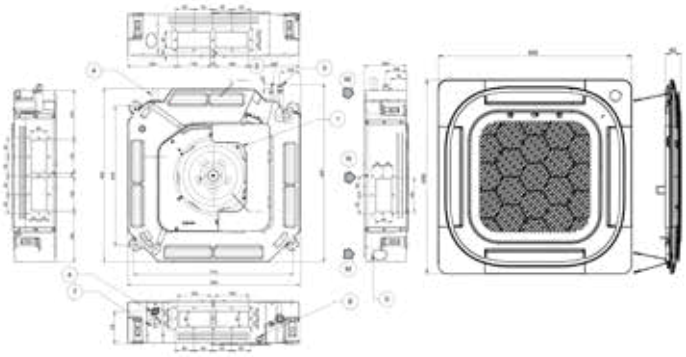
EXTERNAL DIMENSIONS

BOX 2 650X650 IB3-XY 27M÷53M



(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9.52 mm for 35M,
Ø 12.7 mm for 53M)
(4) Condensate drain (Ø 25mm)
(5) Fresh air intake (Ø 65mm)
(6) Power input
(7) Nr. 4 threaded holes for panel installation
(8) Discharge hole for maintainance
(M) Air supply
(R) Air return

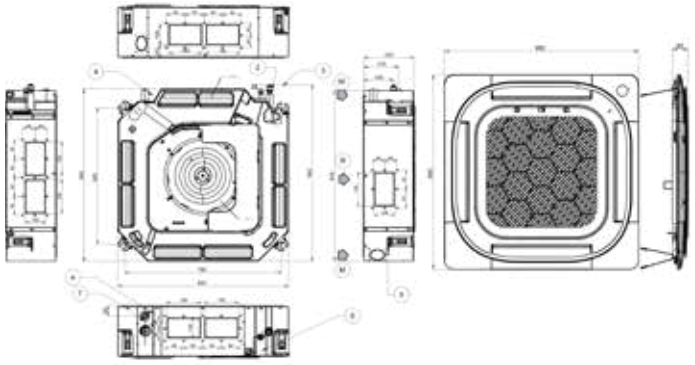
BOX 2 950X950 IA3-XY 70M



(1) Electrical panel
(2) Liquid line (Ø 9,52mm)
(3) Gas line (Ø 15,9)
(4)Condensate drain (Ø 32mm)
(5) Fresh air intake (Ø 75mm)
(6) Power input
(7) Discharge hole for maintainance
(M) Air supply
(R) Air return

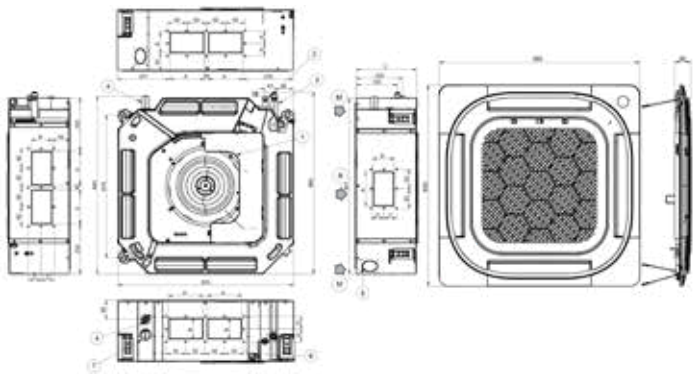
BOX 2 950X950 IA3-XY 88M÷105M

(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9.52 mm for 35M,
Ø 12.7 mm per 53M)
(4) Condensate drain (Ø 25mm)
(5) Fresh air intake (Ø 65mm)
(6) Power input
(7) Discharge hole for maintainance
(M) Air supply
(R) Air return



BOX 2 950X950 IA3-XY 120M÷160M

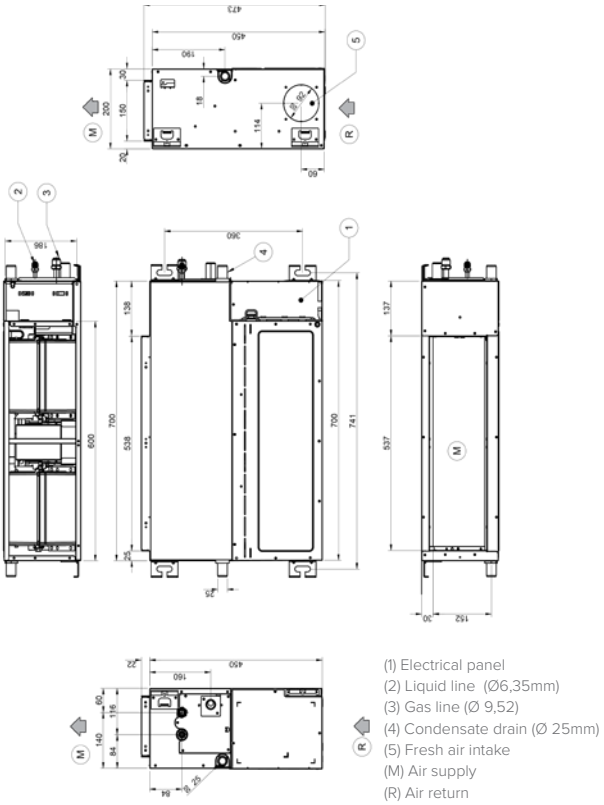
(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 9.52 mm for 35M,
Ø 12.7 mm per 53M)
(4) Condensate drain (Ø 25mm)
(5) Fresh air intake (Ø 65mm)
(6) Power input
(7) Discharge hole for maintainance
(M) Air supply
(R) Air return



Unit of measurement: mm

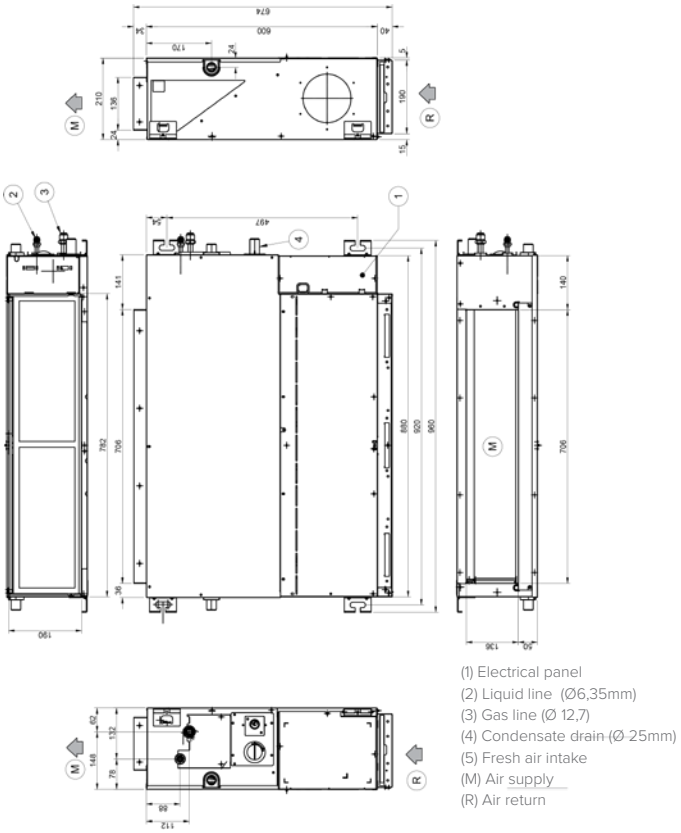
EXTERNAL DIMENSIONS

DUCT 2 ID3-XY 27M÷35M



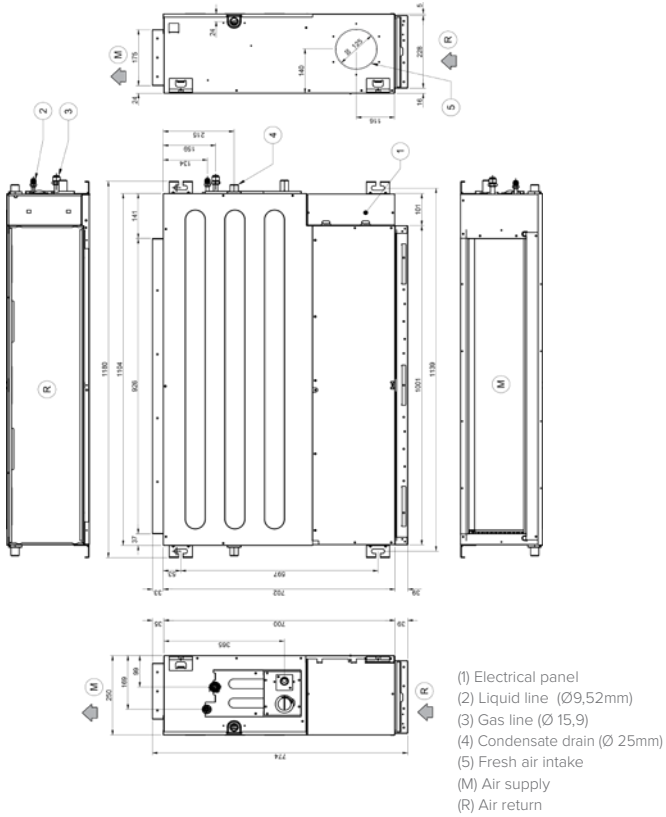
(1) Electrical panel
(2) Liquid line (Ø6,35mm)
(3) Gas line (Ø 9,52)
(4) Condensate drain (Ø 25mm)
(5) Fresh air intake
(M) Air supply
(R) Air return

DUCT 2 ID3-XY 53M



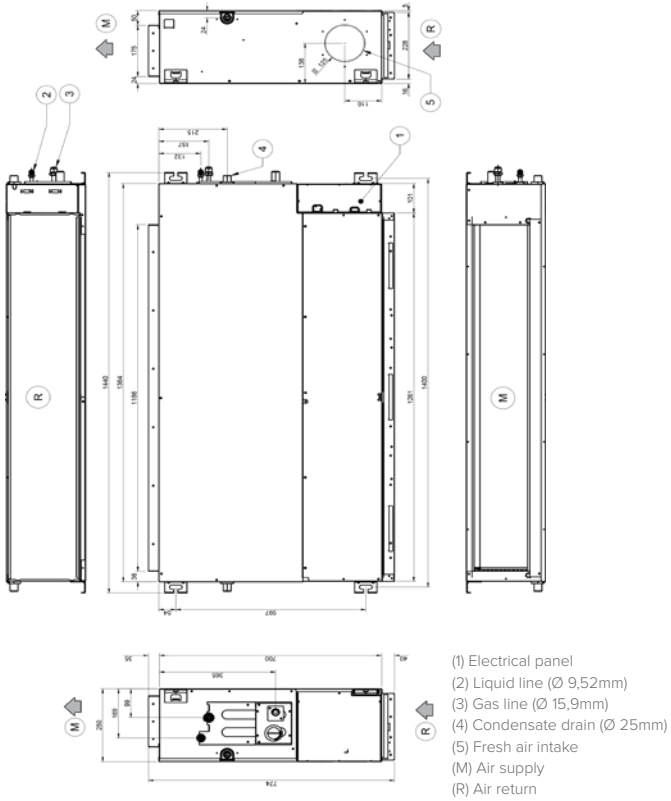
(1) Electrical panel
(2) Liquid line (Ø6,35mm)
(3) Gas line (Ø 12,7)
(4) Condensate drain (Ø 25mm)
(5) Fresh air intake
(M) Air supply
(R) Air return

DUCT 2 ID3-XY 70M



(1) Electrical panel
(2) Liquid line (Ø9,52mm)
(3) Gas line (Ø 15,9)
(4) Condensate drain (Ø 25mm)
(5) Fresh air intake
(M) Air supply
(R) Air return

DUCT 2 ID3-XY 105M

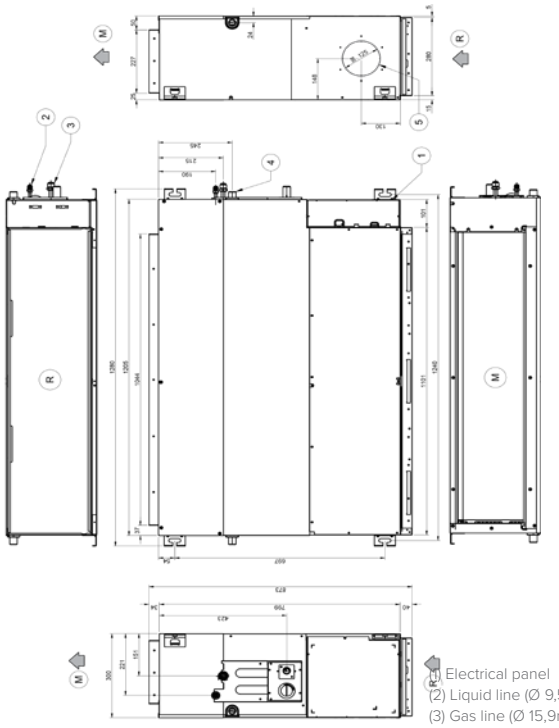


(1) Electrical panel
(2) Liquid line (Ø 9,52mm)
(3) Gas line (Ø 15,9mm)
(4) Condensate drain (Ø 25mm)
(5) Fresh air intake
(M) Air supply
(R) Air return

Unit of measurement: mm

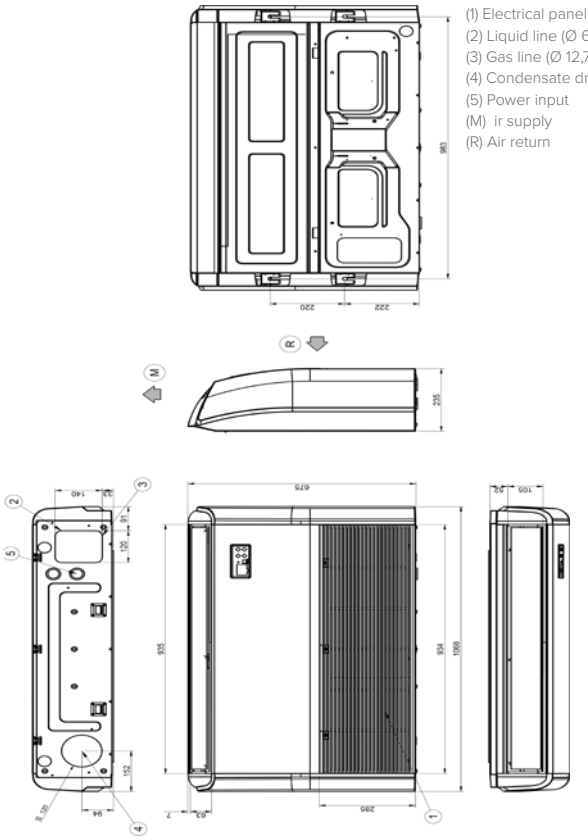
EXTERNAL DIMENSIONS

DUCT 2 — ID3-XY 140M÷160M



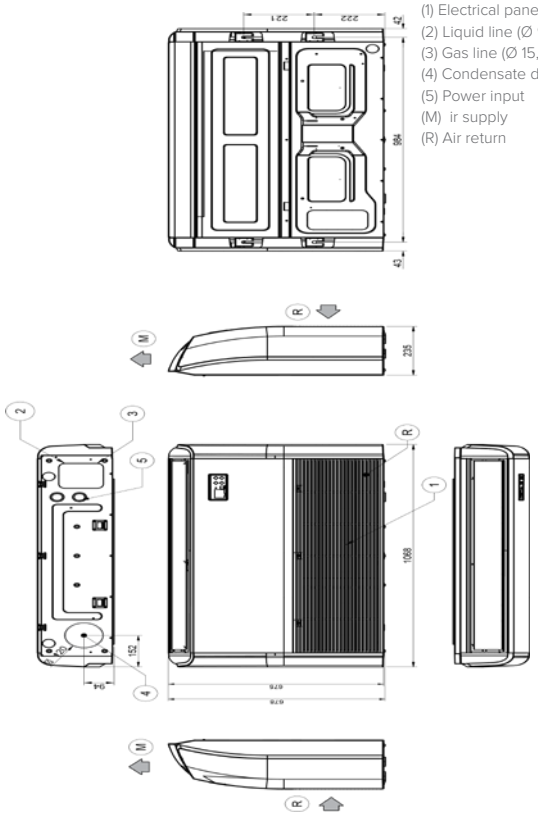
(1) Electrical panel
(2) Liquid line (Ø 9,52mm)
(3) Gas line (Ø 15,9mm)
(4) Condensate drain (Ø 25mm)
(5) Fresh air intake
(M) Air supply
(R) Air return

CEILING & FLOOR 2 — IF3-XY 53M



(1) Electrical panel
(2) Liquid line (Ø 6,35mm)
(3) Gas line (Ø 12,7mm)
(4) Condensate drain (Ø 25mm)
(5) Power input
(M) ir supply
(R) Air return

CEILING & FLOOR 2 — IF3-XY 70M



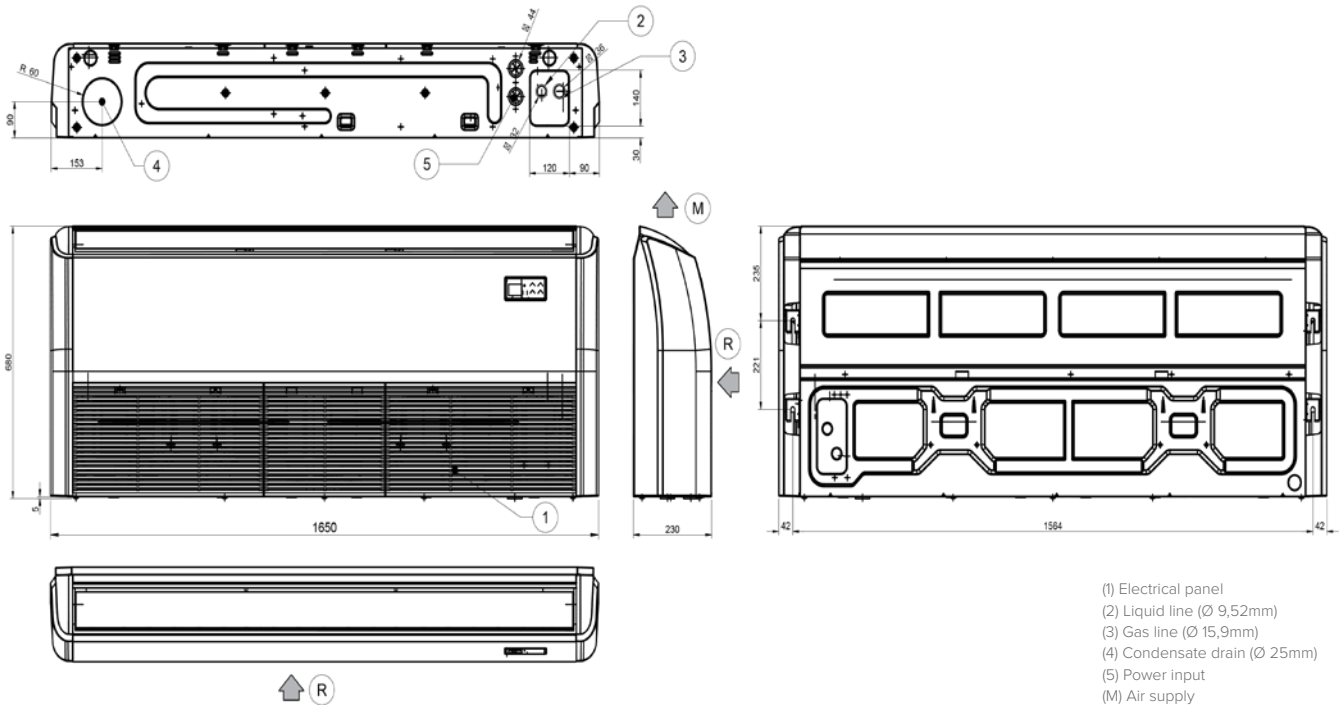
(1) Electrical panel
(2) Liquid line (Ø 9,52mm)
(3) Gas line (Ø 15,9mm)
(4) Condensate drain (Ø 25mm)
(5) Power input
(M) ir supply
(R) Air return

Unit of measurement: mm

EXTERNAL DIMENSIONS

CEILING & FLOOR 2

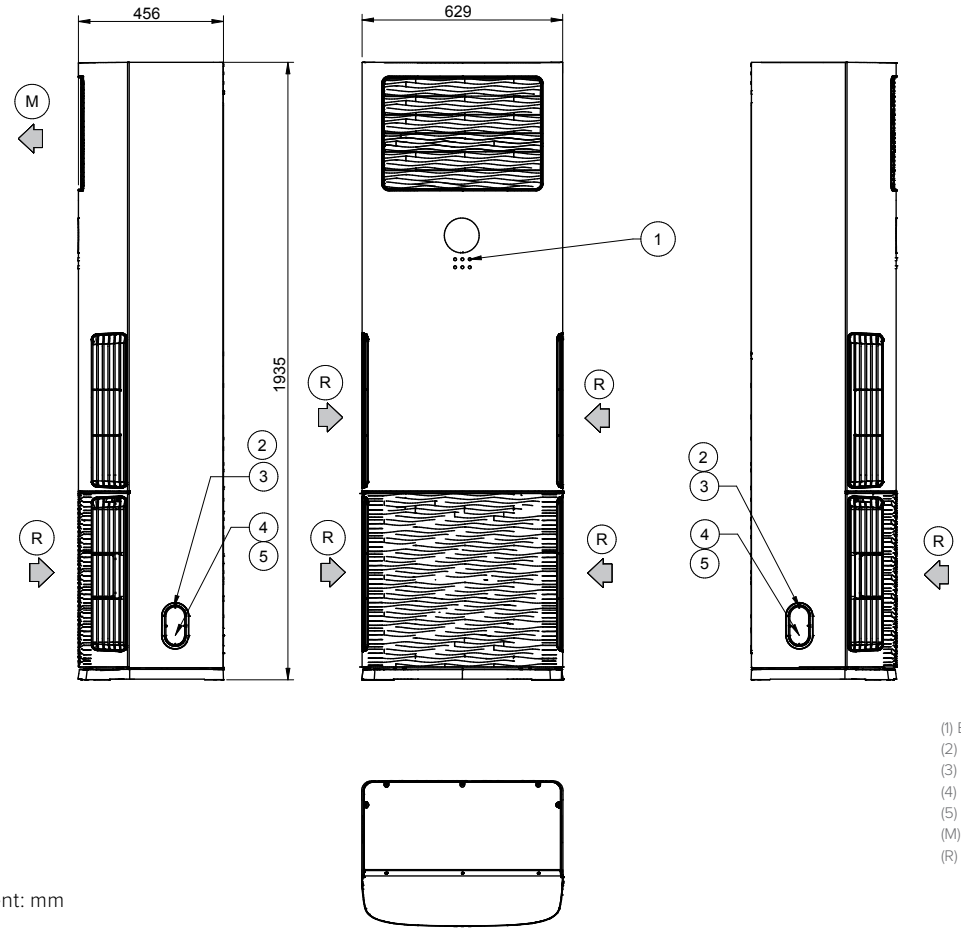
IF3-XY 105M÷140M÷160M



(1) Electrical panel
(2) Liquid line (Ø 9,52mm)
(3) Gas line (Ø 15,9mm)
(4) Condensate drain (Ø 25mm)
(5) Power input
(M) Air supply
(R) Air return

STANDING 2

IS3-XY 140M



(1) Electrical panel
(2) Liquid line (Ø 9,52mm)
(3) Gas line (Ø 15,9mm)
(4) Condensate drain (Ø 80mm)
(5) Power input (Ø 35mm)
(M) Air supply
(R) Air return

Unit of measurement: mm

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Clivet, in compliance with Regulation 517/2014, informs that its products contain or function with the use of fluorinated greenhouse gases: R-32 (GWP 675), R-410A (GWP 2087,5), R-134a (GWP 1430) and R-407C (GWP 1773,85), R-513A (GWP 631), R-1234ze (GWP 7).

ICONS GUIDE

ICONS GUIDE

ENERGY SAVING

1W Stand-by
Reduction of power consumption during the stand-by function.

Sleep
Night operation program that reduce sound levels and maintain suitable temperatures.

Intelligent Eye Detector
Infrared sensor that adapt unit operations following people presence.

Gear NEW
Let the user set the operation at standard, 75% or 50% energy consumptions

ECO NEW
Energy-saving operation mode

Holiday away NEW
Energy-saving mode for long period staying outside home

COMFORT

Follow Me
Temperature sensor built in the remote controller will sense its surrounding temperature.

Turbo
This function gives you a boost in cooling and heating power for a period, and makes the room cool down or heat up rapidly.

Mute Operation
Deactivating audible warnings and switching off the display.

Silent
Low noise operating profile

Stepless Indoor Fan Speed
The fan speed is adjustable anywhere in the range 1%÷100%

12 Grades Indoor Fan Speeds
Up to 12 grades indoor fan speeds, ensure more accurate control and bring more comfortable airflow.

Stepless Outdoor Fan Speed
The fan speed is adjustable anywhere in the range 1%÷100%.

7 Grades Outdoor Fan Speeds
Up to 7 grades outdoor fan speeds, ensure more accurate control and energy saving.

5 Grades Outdoor Fan Speeds
Up to 5 grades outdoor fan speeds, ensure more accurate control and energy saving.

Anti-cold Air
This function can prevent cold air blowing out to avoid discomfort to the users.

Temperature Compensation
This function can revise this temperature difference to make a more accurate temperature control.

Multidirectional airflow
Horizontal and vertical blades are motorised and remote-controlled

360° Airflow Panel
360° air outlet creates a soft and gentle air flow which circulates throughout the whole space and provides an even temperature distribution in the room.

High Air Outlet temperature
The unit can distribute high temperature air even in harsh climates, ensuring optimal comfort.

Auto Swing
It distributes cool/warm air to maximum area by moving horizontal flaps automatically.

Long-Distance Windblast
Long supply airflow, for a better conditioning of every corner of the room.

Hot Water (Heat/DHW) NEW
Hot water production for Heating or DHW.

Ultra-low ambient heating
Compared to traditional air conditioners, the wide operating range allows the unit to operate in Heating even at very low ambient temperatures.

180° louver NEW
Horizontal louver can rotate with a 180° angle, bigger than a standard unit

Breeze away NEW
Set the blades to avoid direct airflow

Cascade NEW
Quick cooling function that let the horizontal louver rotate automatically

Humidity management NEW
The user can set the desired humidity and the unit will dry the air in a proper way.

RELIABILITY

Refrigerant Leakage Detect
Notifies the presence of any refrigerant leaks.

Self-diagnosis function
Once abnormal operation or parts failure happen, the unit will shut off automatically to protect the system Meanwhile it will indicate protection or error code for fast service

Emergency Using
In case of temperature sensor failure, the unit operates in emergency mode and continues to ensure air conditioning.

Auto Defrosting
Prevent evaporator from freezing and maintain dehumidifying effect under low temperature environment.

Low Ambient Cooling
Air conditioner can operate in cooling mode even at low ambient temperatures.

Build-in Drain pump
Helps the indoor unit to dispose of condensation water.

Chasis Heating Belt
Outdoor unit frame is equipped with a electric heater on the base to prevent the water presence due to defrosting, improving the efficiency of the heat exchange.

Compressor Heating Belt
The compressor is equipped with a electric heater to prevent the presence of water due to defrosting, improving the efficiency of heat exchange.

Back-up electrical heater NEW
An electrical heater helps the unit to operate at the worst conditions

Auxiliary heating source NEW
The unit can manage an additional external heating urce

Opposite fan rotation NEW
The ODU fan can rotate in reverse to remove sand and dust, keeping the compressor clean.

HEALTH

High Density filter
Better filter efficiency thanks to smaller holes for air passage

Cold Catalyst filter
It elimites formaldehyde and other volatile organic compounds (VOCs) as well as harmful gases and odors.

Self-Cleaning
Indoor unit will continue running at special combined mode to blow and dry indoor evaporator after the unit switched off so as to keep cleanand healthy.

Fresh Air
Outside air can be lead into the room via a connection pipe, which keeps the indoor air fresh and healthy

Purification filter
Clean the air from smells, dangerous gas (VOCs), microbes (bacteria, virus, spores) and other particles

i-clean NEW
Indoor unit cleaning cycle that prevent odours and mould growing

Anti-legionella NEW
Disinfection cycle to prevent the bacteria inside DHW tank

CONVENIENCE

Manual Swich Button
You can easily turn on/off your AC by pressing manual switch button, without using a remote controller or any special tools.

Remote On/Off
With a smartcontrol board, the air conditioners can be turned on/off via long distance control signals.

Error Alarm Port
Port for remote alarm on the unit.

Wired Control
Wired controller can be fixed on the wall and avoid mislaying. It' s mainly used far commercial zone and makes air conditioner control more convenient.

Central Control Management
The centralized controller is a multi-functional device that can control up to 64 indoor units.

BMS Management
Possible to manage the unit via BMS Software.

Wi-Fi control
Possible to manage the unit via App.

Single/Multi Compatible
Compatible indoor unit for both single and multi system. It comes in handy for warehouse management.

Louver Position Memory Function
At each start, the air deflector will return to the last selected position.

Auto Restart
If the air conditioner breaks off unexpectedly due to a power cut, it will restart with the previous setting mode automatically when the power resume.

2-way Draining
Both left and right sides of indoor unit are possible for drainage hose connection, easy for installation.

Timer
Possible to program the unit switch on and off in 24 hours.

Weekley Timer
Possible to program the unit switch on and off during the week.

0,5°C Temperature Regulation
Enhanced comfort, thanks to the temperature regulation with 0,5°C precision.

Automatic correction of the connection errors
It atomatically redirects any connection errors.

Voice control compatible
Ability to manage the unit with voice, thanks to compatibility with Amazon Alexa, Google Home.

FOR OVER 30 YEARS WE HAVE BEEN OFFERING SOLUTIONS TO ENSURE SUSTAINABLE COMFORT AND THE WELL-BEING OF PEOPLE AND THE ENVIRONMENT

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humanizing technology

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