



... all colors
of air

RESIDENTIAL
LIGHT COMMERCIAL
AIR CONDITIONING
2025

ABOUT SINCLAIR BRAND

Sinclair brand has long tradition and we believe in bright future too. Sinclair air conditioners and heating solutions are getting more and more popularity and trust on the market every year. Our strong team of professionals ensures perfect cooperation with partners from many countries around the world. Development of our partnership never ends.

SINCLAIR Global Group is based on essential principals of long-term partnership and high-quality products. We regularly organize technical training in our academy to be sure that all our partners knows our products in detail and have up-to-date information on all technical innovations in our product range and proper technical background.

SINCLAIR products will secure comfortable temperature in your home or office in all climatic conditions through the whole year. We are more than happy to introduce you SINCLAIR air conditioners.



OUR VISION AND MISSION

Environment protection becomes more and more crucial for humanity and its future generations. SINCLAIR Global Group perceives it the same way hence we focus on developing and applying new technologies which helps to reduce energy consumption and global warming effect.

Our products fulfils strict EU norms and in many cases even surpass them. SINCLAIR believes in long-term, stable and healthy progression supported by hard work and strong code of ethics.

Long-term success of any brand depends on satisfied customers. Our customers are satisfied thanks to high-quality, reliable a technically advanced products with reasonable pricing and timeless design.



WWW.SINCLAIR-SOLUTIONS.COM

Our website is dedicated to everyone who wants to learn more about Sinclair air conditioners and other products. Additionally after log-in to partner section there is all technical documentation available for download.

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Plasmatec technology ensures air purification from harmful bacteria. The air is not only clean but also fresh.

PLASMA TEC

Switch on the great new feature of your SINCLAIR air conditioner – Plasma technology and feel the air becoming cleaner and fresher.

SINCLAIR air conditioner will not only cool or heat your room, but it will also make your environment safer. Plasma technology will make the air cleaner, fresher, free of harmful bacteria.

Protect your family with this new feature. lower your chances of becoming sick with flu or any other illness caused by air-borne bacteria. You can lower the allergens in the air, improving life of allergic persons.

Plasma air technology produces a natural bio-climate rich in active oxygen molecules, known as ions. The Plasma air system creates a measurable and controllable quantity of positive and negative oxygen ions.

The negative ions contain an extra electron while the positive ions are missing an electron resulting in an unstable condition.

These unstable ions provide the following benefits:

PARTICLE REDUCTION

Air-borne particles are charged by the ions through ionic bonding. These charged particles stick together, becoming heavier and then fall to the floor. These larger particles are also returned through the air conditioning system where they are captured by the filter.

STERILIZATION

As they divide in the split zone, bacteria and mold spores bond with active oxygen molecules and are oxidized and destroyed. The bacteria and spores can no longer multiply. additionally, particles are the vehicles that transmit bacteria cells from person to person. as the ions cause particles to fall to the floor, the result is less bacteria in the breathing zone.

ODOR NEUTRALIZATION

Odorous gases and aerosols oxidize on contact with active oxygen molecules. odors, especially of an organic origin, are quickly eliminated.

VOC CONTROL

Volatile organic compounds (Vocs) are emitted as gases where there is carpeting, building materials, furniture, office equipment, cleaning agents, paints, glues, solvents or pesticides. The ions trade electrons with these Vocs breaking down their molecular structures into less harmful ones.

HEALTH BENEFITS

Human and animal lungs absorb oxygen more efficiently from clean ionized air, enhancing general health and well-being. alertness and concentration is improved.

PLASMA+TEC

STERILIZATION RATE

UP TO 90 %

* Test conducted in a 30 m³ laboratory, where the amount of air-borne bacteria before purification is 4.88×10^2 CFU/m³.



CORONAVIRUS



INFLUENZA VIRUS



ROTAVIRUS



BACILLUS



COCCUS



MOLDS

UV-C STERILIZATION

Exposure to UV-C light kills germs, viruses, simply microorganisms in general. We are now adopting this feature in our newest Marvin series. Simply activate the function via remote controller and enjoy healthy air.

No ozone: The ultraviolet band of UVC sterilization lamp is 270~280 nanometers, no photochemical smoke, ozone and other poisonous gas.

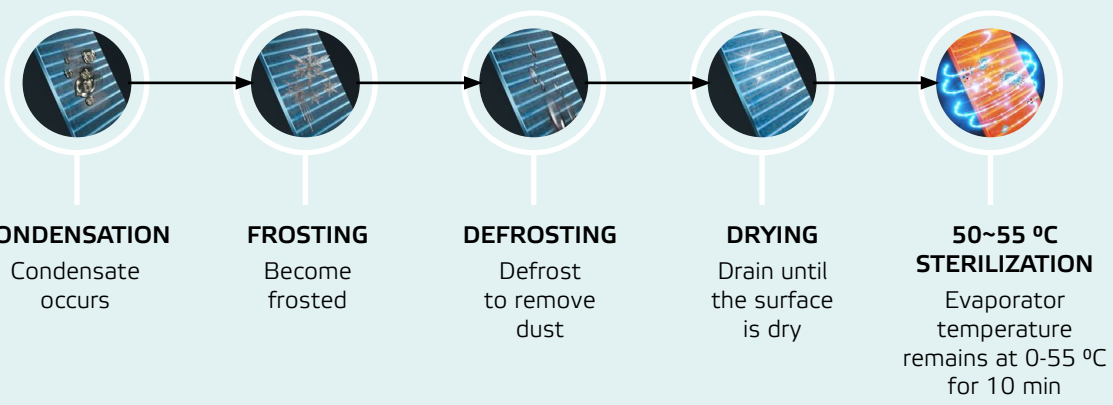
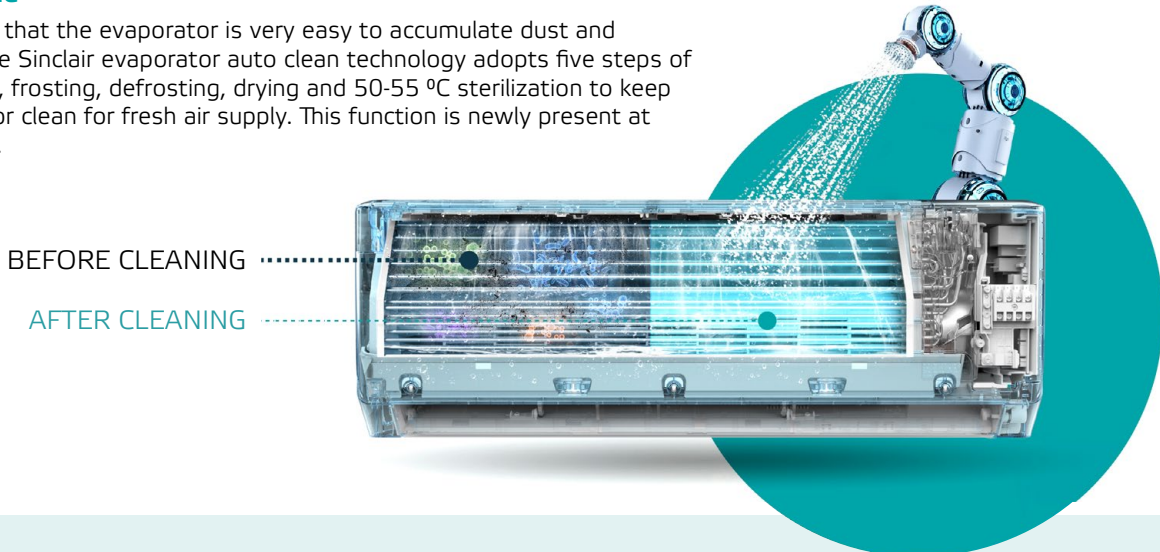
Sealed leakage prevention design: UVC lamp is placed at the position exposed to the evaporator directly to prevent the injury caused by the ultraviolet ray as well the aging of injection molded parts.

Low power LED ultraviolet light source: UVC-LED ultraviolet light source is non-toxic, convenient for operation and high-efficiency, which can effectively reduce the risk of hazards to human body for long-term exposure.



SELF-CLEANING

It is annoying that the evaporator is very easy to accumulate dust and bacteria. While Sinclair evaporator auto clean technology adopts five steps of condensation, frosting, defrosting, drying and 50-55 °C sterilization to keep the evaporator clean for fresh air supply. This function is newly present at Marvin series.



Modbus and Bacnet - two core protocols that play a key role in connectivity

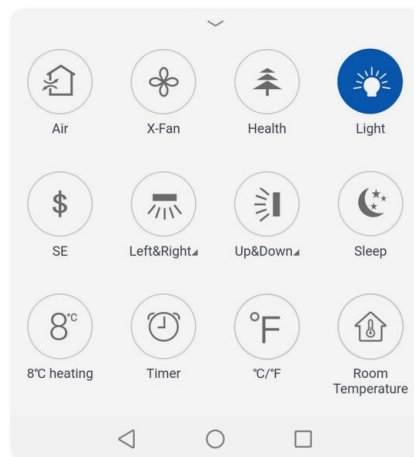
The modern era aims not only to provide users with a comfortable and efficient air conditioning solution, but also to enable the interconnection of these systems with other technologies and systems for better control and monitoring. Two key protocols that play a key role in this connectivity are Modbus and Bacnet.

There are a number of benefits to integrating air conditioning systems with external control systems via Modbus and Bacnet protocols. Users can monitor and control their air conditioning units from one central location, optimising energy consumption and improving environmental comfort. With these protocols, building managers can perform remote diagnostics and maintenance, leading to energy savings, i.e. lower operating costs and longer equipment life.

WIFI EWPE APPLICATION

EWPE Smart app is designed for distant control of Sinclair air conditioners via Wi-Fi. Create an account, register the unit and control your air conditioner from anywhere at anytime. One device can be controlled by more users and one user can control up to 30 units. The app is compatible with smart home assistants Google Assistant and Amazon Alexa and is only compatible with 2.4 GHz WiFi network.

The app is available in Google Play and App Store.



MODBUS

Modbus is one of the most widely used communication protocols in industrial environments. Its simplicity and reliability make it the ideal choice for integrating air conditioning systems with various equipment and systems.

In order to use the MODBUS protocol, the air conditioner must be equipped with a SWC-02C or SWC-04C wall controller (for SIH-xxBIX and MULTI VARIABLE wall units of the MV-C/D/F-xxBI2 series) or SMG-01 gateway (for UNI SPLIT 2 ASC/D/F-xxBI2 series).

BACNET

Bacnet is another important protocol in building automation and energy systems management. Its flexibility and ability to work with different types of devices and protocols makes it suitable for integrating air conditioning systems with larger, complex building control systems.

To use the BACNET protocol, the air conditioner must be equipped with the same accessories as for MODBUS, but the system must also be equipped with the SBG-01 BACNET gateway.

WORKS WITH LOXONE label indicates the product is ready for a plug&play

LOXONE

There aren't many people who enjoy going around the house or entire building and worrying about air conditioning control. What about controllers on the walls or piles of remotes? On some of them, you have to squeeze the gears all over again, the batteries run out at the least opportune moment, the air conditioning runs when it's redundant...

Or there's LOXONE: In the app you simply set up a schedule and temperatures. Then the air conditioning (and possibly the shading, heating and more) simply works as it should, and the temperature is ideal. And when it's not needed, no energy is wasted.

The more controllers, the more trouble. LOXONE gets rid of both. Unlike you, it has time to control the air conditioning at any time and uses advanced algorithms. At the same time, thanks to the app can take control at any time and make changes.

APP CONTROL

No more searching for a lost remote and wondering how to control it. Everything is easy to use anytime, anywhere in a user friendly interface.

SCHEDULING AND AUTOMATION

Simply set the days, hours and temperatures for each room. That's all you need to worry about. The system also takes holidays or presence into account. It gradually learns to cool only when and how much it is actually needed.

GROUP CONTROL

One unit, several rooms or even an entire shopping centre? It's all available by one click of a button.

ACCESS RIGHTS

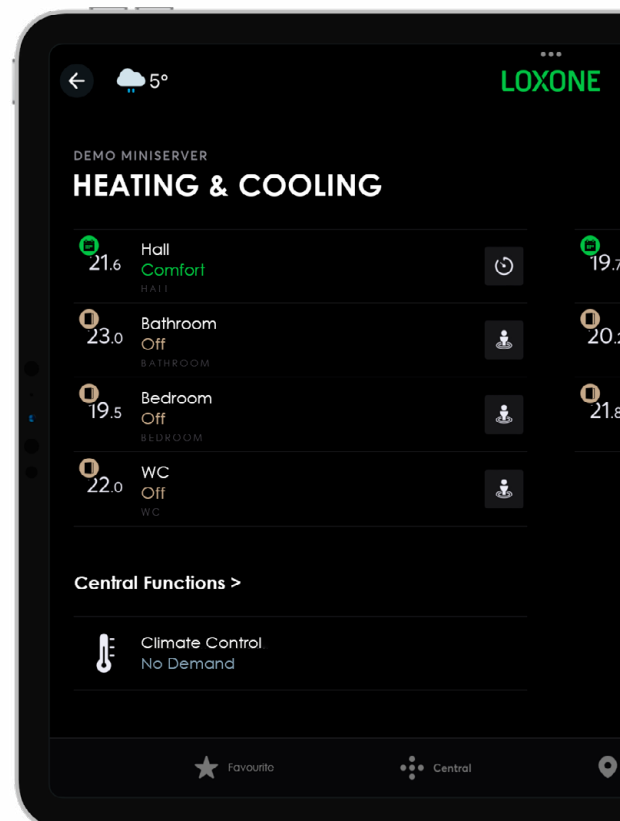
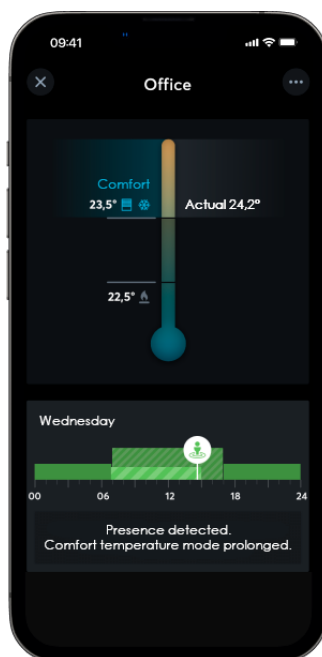
You can set who can change settings at any time and very easily.

NOTIFICATIONS

Is something unusual going on? Is regular maintenance required? The responsible person is informed immediately!

COOPERATION WITH OTHER SYSTEMS

It doesn't stop at air conditioning. With Loxone you can control everything in the building and create any automation. For example, an open window deactivates cooling.

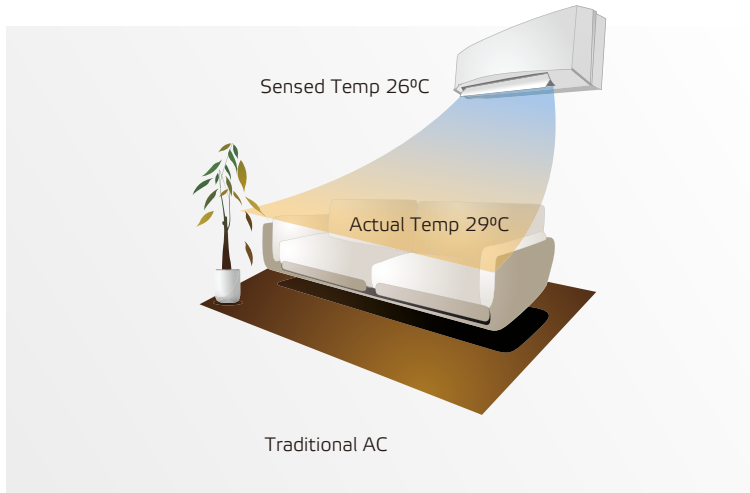
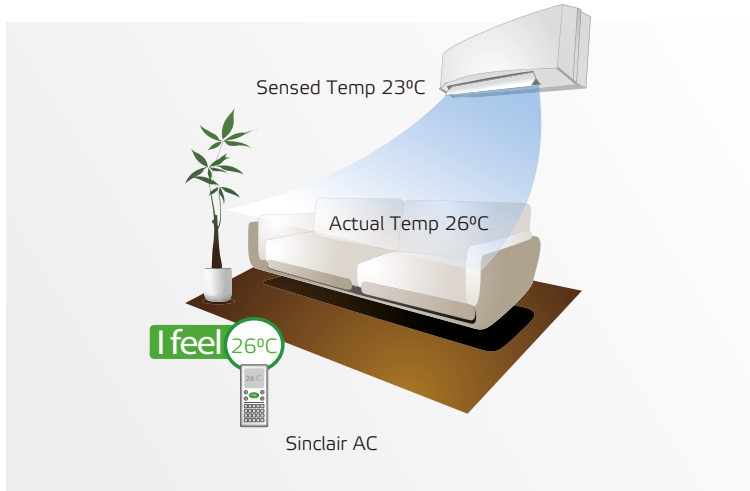




sinclair

"I FEEL"

The mini sensor in the remote controller can sense its surrounding temperature, and transmit the signal back to the indoor unit. So the unit can adjust the air flow volume and temperature accordingly, to provide maximum comfort and save energy simultaneously.



LOW AMBIENT TEMPERATURE FUNCTION

-20 °C COOLING

Cooling at -20 °C while keeping a reliable operation. As the outdoor temperature changes, the frequency of compressor and the speed of fan adjusts accordingly.



-30 °C HEATING

Operates finely when heating at -30 °C. It is supported by SINCLAIR electrical heating chassis, preheating technology and frequency-adjusting compressor.

8 °C HEATING

Maintains the room temperature steadily at 8 °C and prevents the room from freezing by heating operation when nobody is at home for long time.



-  Anticorrosion treatment of exchangers
-  Anticorrosion treatment of exchangers
-  Flexible adjusting lamels
-  Diagnostic LED display
-  TURBO button
-  Intelligent defrosting
-  Operation in the winter time
-  Silent operation
-  24-hour timer
-  Clock display
-  WiFi function
-  Dehumidifying mode
-  Automatic operation
-  Comfortable sleep mode
-  Cold air prevention
-  Self-diagnosis
-  Auto-restart function
-  Lock
-  8 °C heating
-  I feel
-  7 speeds of fan
-  Optional health filters
-  Low power consumption
-  Filter cleaning timer
-  Umělá inteligence

Active and effective support for the decarbonisation of our planet.

We are making progress towards global climate neutrality by constantly innovating our products and thus introducing more efficient air conditioning solutions. We think about the climate in which our children and future generations will grow up.

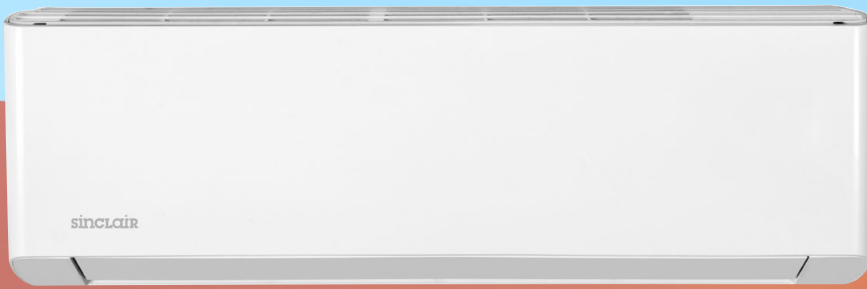
Thanks to the utilization of the environmentally friendly R32 refrigerant in all SINCLAIR residential air conditioners, the need for CO₂ emission quotas was reduced by 65 %. We are gradually expanding this ecological trend among other categories of our products.

With the SINCLAIR mobile air conditioners and dehumidifiers, we have made even more progress in terms of ecology, because they contain the purely natural refrigerant R290 Propane. This type of refrigerant has almost none global warming effect (GWP of 4).

All Sinclair products fulfill producer's obligations for separate collection, take-back, processing, usage and disposal of electrical appliances and electrical waste through the collective system Elektrowin a.s.



ECOLOGICAL
REFRIGERANT  R32



spectrum plus series

FEATURES

- Energy class A+++ / A++
- 2-stage compressor
- 7 speeds of fan
- Automatic mode with adjustable temperature
- Adjustable heating range 8~30 °C
- Low ambient heating -30 °C
- Horizontal and vertical guide louver swing
- Function "I FEEL"
- Quiet mode - only 18 dB(A) at ASH-09BIS2/W and 21 dB(A) at ASH-13BIS2/W

STANDARD ACCESSORIES

- Filters - catechin SAF-OPWC4 and silver filter SAF-OPWS4
- Cold plasma generator
- WiFi
- Dry door contact
- Crankcase heater, chassis heater
- Remote controller

OPTIONAL ACCESSORIES

- Health filters
- GSM module G2S-T
- Control module SCMI-03S
- BACNET gateway SBG-01
- Wired controller SWC-02C, SWC-04C
- Central controller SCC-36
- Alarm interface SAI-01
- MODBUS control possibility via SWC-02C or SWC-04C

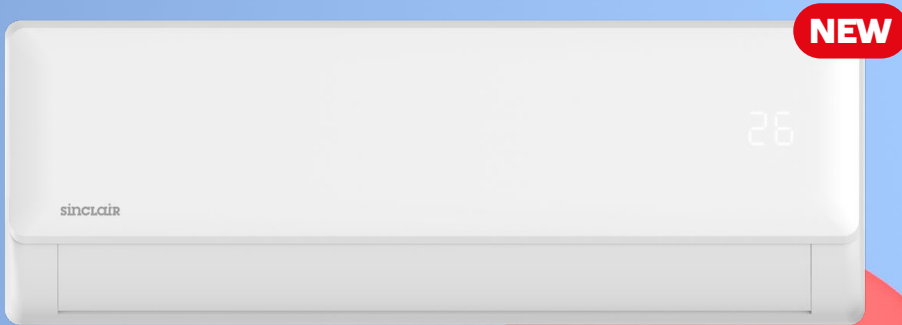


TECHNICAL PARAMETERS

MODEL			ASH-09BIS2 / W	ASH-13BIS2 / W	ASH-18BIS3/W
Capacity cooling / heating	kW		2,7 / 3,5	3,5 / 4,2	5,3 / 5,6
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		8,5 / 5,1	8,5 / 5,1	6,6 / 4,4
Energy class cooling / heating (A, W, C)	-		A+++ / (A+++, A+++, A)	A+++ / (A+++, A+++, A+)	A++ / (A+, A+++, A)
Sound pressure level at 1m	ID	dB(A)	43 / 41 / 38 / 36 / 33 / 31 / 18	46 / 43 / 41 / 38 / 36 / 34 / 21	48 / 45 / 43 / 40 / 37 / 35 / 33
	OD	dB(A)	53	54	56
Dimension (w x h x d)/Net weight	ID	mm/kg	996x301x225 / 13,0	996x301x225 / 13,5	1101x327x249 / 16,5
	OD	mm/kg	899x596x378 / 44,5	899x596x378 / 45,5	1003x790x427 / 62,5
Operating temperature range (Cool/Heat)	°C		-18-54 / -30-24	-18-54 / -30-24	-18-52 / -30-24

MODEL			ASH-24BIS2 / W		
Capacity cooling / heating	kW		7,0 / 7,0		
Power supply	Phase / Hz / V		1~ / 50 / 220-240		
SEER / SCOP	-		6,5 / 4,1		
Energy class cooling / heating (A, W, C)	-		A++ / (A+, A+++, A)		
Sound pressure level at 1m	ID	dB(A)	50 / 46 / 43 / 41 / 37 / 35 / 27		
	OD	dB(A)	58		
Dimension (w x h x d)/Net weight	ID	mm/kg	1101x327x249 / 16,5		
	OD	mm/kg	1003x790x427 / 65,0		
Operating temperature range (Cool/Heat)	°C		-18-52 / -30-24		

ECOLOGICAL
REFRIGERANT  R32



galaxis series

FEATURES

- Energy class A+++ / A++
- Hidden radar - "AVOID ME" function
- UV-C air sterilization
- Horizontal and vertical guide louver swing
- Hidden display
- Quiet operation - 19 dB(A)
- Consumption measurement via app

STANDARD ACCESSORIES

- UV-C LED
- Cold plasma generator
- WiFi
- Door contact
- Remote controller
- Chassis heater
- Quiet mode - only 18 dB(A) at SIH-09BIG and 20 dB(A) at SIH-24BIG

OPTIONAL ACCESSORIES

- GSM module G2ST

space and air
in harmony
... discreet comfort and star performance

PLASMA+TEC  UV-C LED



TECHNICAL PARAMETERS

MODEL		SIM-09BIG + SOM-09BIG	SIM-12BIG + SOM-12BIG	SIM-18BIG + SOM-18BIG
Capacity cooling / heating	kW	2,6 / 2,9	3,5 / 3,8	5,0 / 5,4
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	8,8 / 4,6	8,5 / 4,6	8,5 / 4,6
Energy class cooling / heating (A, W, C)	-	A+++ / (A++, A+++, -)	A+++ / (A++, A+++, -)	A+++ / (A++, A+++, -)
Sound pressure level at 1m	ID	dB(A)	39 ~ 19	43 ~ 21,5
	OD	dB(A)	54	57
Dimension (w x h x d)/Net weight	ID	mm/kg	723x286x199 / 7,5	813x289x201 / 8,0
	OD	mm/kg	765x555x303 / 23,1	765x555x303 / 23,1
Operating temperature range (Cool/Heat)	°C	-15~50 / -25~24	-15~50 / -25~24	-15~50 / -25~24

MODEL		SIM-24BIG + SOM-24BIG		
Capacity cooling / heating	kW	7,0 / 7,3		
Power supply	Phase / Hz / V	1~ / 50 / 220-240		
SEER / SCOP	-	7,9 / 4,6		
Energy class cooling / heating (A, W, C)	-	A+++ / (A++, A+++, -)		
Sound pressure level at 1m	ID	dB(A)	46~21,5	
	OD	dB(A)	60	
Dimension (w x h x d)/Net weight	ID	mm/kg	1055x330x231 / 13,0	
	OD	mm/kg	890x673x342 / 41,0	
Operating temperature range (Cool/Heat)	°C	-15~50 / -25~24		

ECOLOGICAL
REFRIGERANT  R32



marvin series

FEATURES

- Energy class A+++ / A++ - at 2,7 kW capacity
- Hidden display
- Function "I FEEL"
- Adjustable heating range 8~30 °C
- 7 speeds of fan
- UV-C air sterilization
- Quiet mode - just 19 dB(A) at SIH-09BIM and SIH-12BIM unit
- Dehumidification according to set humidity level
- Power input limitation at 50 or 75 %
- Horizontal and vertical guide louver swing
- Night mode - quiet operation of outdoor unit

INDOOR UNITS ARE COMPATIBLE WITH MULTI VARIABLE SERIES

STANDARD ACCESSORIES

- Filters - catechin SAF-OPWC4 and antibacterial SAF-OPWB4
- UV-C LED
- Cold plasma generator
- WiFi
- Dry door contact
- Chassis heater
- Remote controller

OPTIONAL ACCESSORIES

- Health filters
- GSM module G2S-T
- Control module SCMI-03S
- BACNET gateway SBG-01
- Wired controller SWC-02C, SWC-04C
- Central controller SCC-36
- Alarm interface SAI-01
- MODBUS control possibility via SWC-02C or SWC-04C

PLASMA+TEC



UV-C LED



TECHNICAL PARAMETERS

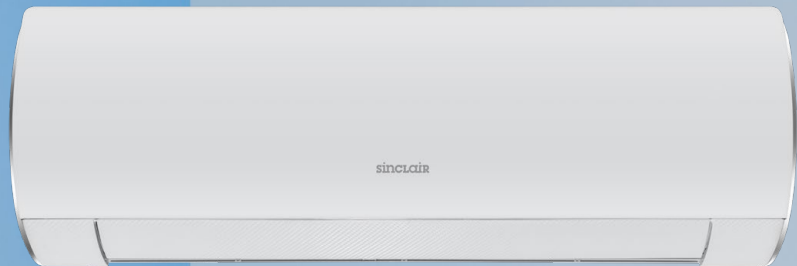
MODEL			SIH-09BIMx + SOH-09BIM	SIH-12BIMx + SOH-12BIM	SIH-18BIMx + SOH-18BIM
Capacity cooling / heating	kW		2,7 / 3,0	3,5 / 3,8	5,3 / 5,4
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		8,5 / 4,6	7,2 / 4,1	7,3 / 4,2
Energy class cooling / heating (A, W, C)	-		A+++ / (A+, A+++ , A)	A++ / (A+, A+++ , B)	A++ / (A+, A+++ , A)
Sound pressure level at 1m	ID	dB(A)	38 / 37 / 34 / 31 / 26 / 23 / 22 / 19	41 / 38 / 36 / 33 / 30 / 27 / 25 / 19	45 / 42 / 40 / 37 / 34 / 29 / 26 / 23
	OD	dB(A)	50	52	56
Dimension (w x h x d)/Net weight	ID	mm/kg	837x293x200 / 9,5	837x293x200 / 9,5	993x311x222 / 12,5
	OD	mm/kg	732x555x330 / 25,0	732x555x330 / 25,5	802x555x350 / 31,5
Operating temperature range (Cool/Heat)	°C		-15-50 / -25-30	-15-50 / -25-30	-15-50 / -25-30

MODEL			SIH-24BIMx + SOH-24BIM		
Capacity cooling / heating	kW		7,1 / 7,3		
Power supply	Phase / Hz / V		1~ / 50 / 220-240		
SEER / SCOP	-		7,0 / 4,3		
Energy class cooling / heating (A, W, C)	-		A++ / (A+, A+++ , A)		
Sound pressure level at 1m	ID	dB(A)	48 / 44 / 41 / 40 / 38 / 36 / 33 / 27		
	OD	dB(A)	59		
Dimension (w x h x d)/Net weight	ID	mm/kg	993x311x222 / 13,0		
	OD	mm/kg	958x660x402 / 45,0		
Operating temperature range (Cool/Heat)	°C		-15-50 / -25-30		

x - available in different colours: SIH-xxBIMW - white, SIH-xxBIMN - navy, SIH-xxBIMS - silver, SIH-xxBIMC - champagne

* - The type of remote controller may vary

ECOLOGICAL
REFRIGERANT  R32



terrel series

FEATURES

- Energy class A++ / A+
- Hidden display
- Function "I FEEL"
- 8 °C heating
- 7 speeds of fan
- Horizontal and vertical guide louver swing

INDOOR UNITS ARE COMPATIBLE WITH MULTI VARIABLE SERIES

STANDARD ACCESSORIES

- Filters - catechin SAF-OPWC4 and active carbon filter SAF-OPWA4
- Cold plasma generator
- WiFi
- Dry door contact
- Chassis heater
- Remote controller

OPTIONAL ACCESSORIES

- Health filters
- GSM module G2S-T
- Control module SCMI-03S
- BACNET gateway SBG-01
- Wired controller SWC-02C, SWC-04C
- Central controller SCC-36
- Alarm interface SAI-01
- MODBUS control possibility via SWC-02C or SWC-04C



TECHNICAL PARAMETERS

MODEL			SIH-09BITx + SOH-09BIT	SIH-13BITx + SOH-13BIT	SIH-18BIT2x + SOH-18BIT2
Capacity cooling / heating	kW		2,7 / 3,0	3,5 / 3,8	5,3 / 5,6
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		7,5 / 4,2	7,1 / 4,1	7,6 / 4,3
Energy class cooling / heating (A, W, C)	-		A++ / (A+, A+++ , A)	A++ / (A+, A+++ , B)	A++ / (A+, A+++ , A)
Sound pressure level at 1m	ID	dB(A)	38 / 36 / 34 / 31 / 29 / 27 / 25	42 / 38 / 35 / 32 / 29 / 27 / 25	43 / 41 / 39 / 37 / 35 / 32 / 31 / 21
	OD	dB(A)	50	52	57
Dimension (w x h x d)/Net weight	ID	mm/kg	889x294x212 / 11,0	889x294x212 / 11,0	1013x307x221 / 13,5
	OD	mm/kg	732x555x330 / 23,5	732x555x330 / 24,5	958x660x402 / 40,5
Operating temperature range (Cool/Heat)	°C		-15-50 / -25-30	-15-50 / -25-30	-15-50 / -25-30

MODEL			SIH-24BIT2x + SOH-24BIT2		
Capacity cooling / heating	kW		7,1 / 7,8		
Power supply	Phase / Hz / V		1~ / 50 / 220-240		
SEER / SCOP	-		7,0 / 4,2		
Energy class cooling / heating (A, W, C)	-		A++ / (A+, A+++ , A)		
Sound pressure level at 1m	ID	dB(A)	48 / 44 / 41 / 40 / 38 / 36 / 33 / 27		
	OD	dB(A)	59		
Dimension (w x h x d)/Net weight	ID	mm/kg	1122x329x247 / 16,5		
	OD	mm/kg	958x660x402 / 41,5		
Operating temperature range (Cool/Heat)	°C		-15-50 / -25-30		

x - available in different colours: SIH-xxBITW - white, SIH-xxBITB - black, SIH-xxBITS - silver, SIH-xxBITC - champagne

ECOLOGICAL
REFRIGERANT  R32



keyon series

FEATURES

- Energy class A++ / A+
- Hidden display
- Function "I FEEL"
- 8 °C heating

INDOOR UNITS ARE COMPATIBLE WITH MULTI VARIABLE SERIES

STANDARD ACCESSORIES

- Filters - catechin SAF-OPWC4 and active carbon filter SAF-OPWA4
- Cold plasma generator
- WiFi
- Dry door contact (except SIH-09BIK)
- Remote controller

OPTIONAL ACCESSORIES

- Health filters
- GSM module G2S-T
- Control module SCMI-03S
- BACNET gateway SBG-01 (except SIH-09BIK)
- Wired controller SWC-02C, SWC-04C (except SIH-09BIK)
- Central controller SCC-36 (except SIH-09BIK)
- Alarm interface SAI-01
- MODBUS control possibility via SWC-02C or SWC-04C (except SIH-09BIK)

PLASMA+TEC  

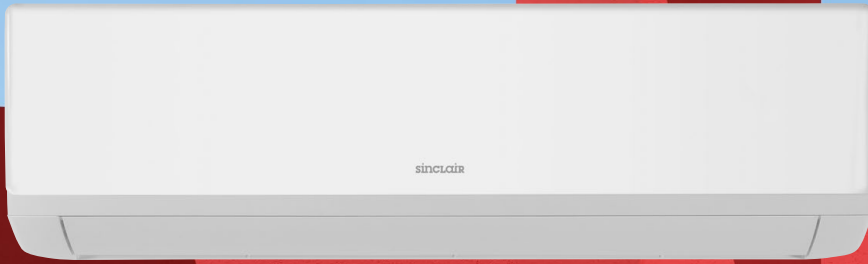


TECHNICAL PARAMETERS

MODEL			SIH-09BIK + SOH-09BIK2	SIH-12BIK + SOH-12BIK2	SIH-18BIK + SOH-18BIK
Capacity cooling / heating	kW		2,7 / 2,8	3,2 / 3,4	4,6 / 5,2
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		6,8 / 4,2	6,5 / 4,1	6,4 / 4,0
Energy class cooling / heating (A, W, C)	-		A++ / (A+, A+++, -)	A++ / (A+, A+++, -)	A++ / (A+, A+++, -)
Sound pressure level at 1m	ID	dB(A)	40 / 37 / 35 / 33 / 29 / 26 / 21	42 / 39 / 36 / 35 / 32 / 29 / 23	48 / 41 / 37 / 31
	OD	dB(A)	51	52	53
Dimension (w x h x d)/Net weight	ID	mm/kg	770x251x190 / 8,0	849x289x215 / 10,5	972x300x225 / 13,5
	OD	mm/kg	732x555x330 / 24,5	732x550x330 / 25,0	732x550x330 / 26,5
Operating temperature range (Cool/Heat)	°C		-15~43 / -15~24	-15~43 / -15~24	-15~43 / -15~24

MODEL			SIH-24BIK + SOH-24BIK		
Capacity cooling / heating	kW		6,2 / 6,5		
Power supply	Phase / Hz / V		1~ / 50 / 220-240		
SEER / SCOP	-		6,8 / 4,0		
Energy class cooling / heating (A, W, C)	-		A++ / (A+, A+++, -)		
Sound pressure level at 1m	ID	dB(A)	48 / 44 / 40 / 35		
	OD	dB(A)	58		
Dimension (w x h x d)/Net weight	ID	mm/kg	1081x325x248 / 16,5		
	OD	mm/kg	873x555x376 / 36,5		
Operating temperature range (Cool/Heat)	°C		-15~43 / -15~24		

ECOLOGICAL
REFRIGERANT  R32



ray series

FEATURES

- Energy class A++ / A+
- Hidden display
- Function "I FEEL"
- 8 °C heating

INDOOR UNITS ARE COMPATIBLE WITH MULTI VARIABLE SERIES

STANDARD ACCESSORIES

- Remote controller

OPTIONAL ACCESSORIES

- Health filters
- GSM module G2S-T
- Control module SCMI-03S
- Alarm interface SAI-01
- SWM-04 Wifi module

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TECHNICAL PARAMETERS

MODEL		SIH-09BIR + SOH-09BIR2	SIH-12BIR3 + SOH-12BIR3	SIH-18BIR + SOH-18BIR
Capacity cooling / heating	kW	2,7 / 2,8	3,2 / 3,4	4,6 / 5,2
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	6,8 / 4,2	6,5 / 4,1	6,4 / 4,0
Energy class cooling / heating (A, W, C)	-	A++ / (A+, A+++, -)	A++ / (A+, A+++, -)	A++ / (A+, A+++, -)
Sound pressure level at 1m	ID	dB(A)	40 / 37 / 33 / 21	42 / 36 / 32 / 23
	OD	dB(A)	51	52
Dimension (w x h x d)/Net weight	ID	mm/kg	773x250x185 / 8,5	849x289x215 / 10,5
	OD	mm/kg	732x555x330 / 24,5	732x555x330 / 25,0
Operating temperature range (Cool/Heat)	°C	-15~43 / -15~24	-15~43 / -15~24	-15~43 / -15~24

MODEL		SIH-24BIR + SOH-24BIR		
Capacity cooling / heating	kW	6,2 / 6,5		
Power supply	Phase / Hz / V	1~ / 50 / 220-240		
SEER / SCOP	-	6,8 / 4,0		
Energy class cooling / heating (A, W, C)	-	A++ / (A+, A+++, -)		
Sound pressure level at 1m	ID	dB(A)	48 / 45 / 37 / 30	
	OD	dB(A)	57	
Dimension (w x h x d)/Net weight	ID	mm/kg	970x300x225 / 13,5	
	OD	mm/kg	873x555x376 / 36,5	
Operating temperature range (Cool/Heat)	°C	-15~43 / -15~24		

ECOLOGICAL
REFRIGERANT  R32

console series



FEATURES

- Energy class A++ / A+
- Right side water outlet
- 7 speeds of fan
- Dual air outlet for heating
- Function "I FEEL"
- 8 °C heating

STANDARD ACCESSORIES

- Filters - catechin SAF-OPWC4 and active carbon filter SAF-OPWA4
- Cold plasma generator
- WiFi
- Chassis heater
- Remote controller

OPTIONAL ACCESSORIES

- Health filters
- GSM module G2S-T
- Wired controller SWC-02C, SWC-04C
- Central controller SCC-36
- Control module SCMI-03S
- BACNET gateway SBG-01
- Alarm interface SAI-01
- MODBUS control possibility via SWC-02C or SWC-04C

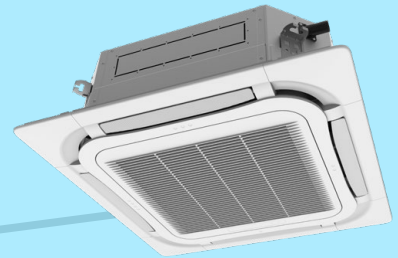
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TECHNICAL PARAMETERS

MODEL			ASP-09BI	ASP-12BI	ASP-18BI
Capacity cooling / heating	kW		2,7 / 2,9	3,5 / 3,8	5,2 / 5,3
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		7,2 / 4,0	7,0 / 4,1	6,6 / 4,1
Energy class cooling / heating (A, W, C)	-		A++ / (A+, A+++, -)	A++ / (A+, A+++, -)	A++ / (A+, A+++, -)
Sound pressure level at 1m	ID	dB(A)	39 / 36 / 33 / 31 / 29 / 26 / 23	44 / 40 / 38 / 36 / 33 / 29 / 25	47 / 45 / 42 / 40 / 37 / 35 / 31
	OD	dB(A)	49	52	57
Dimension (w x h x d)/Net weight	ID	mm/kg	700×600×215 / 15,5	700×600×215 / 15,5	700×600×215 / 15,5
	OD	mm/kg	782×540×320 / 27,5	848×596×320 / 30,5	965×700×396 / 46,0
Operating temperature range (Cool/Heat)	°C		-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24

multi variable series



outdoor units

FEATURES

- Energy class A++/A+
- Autostart function
- Lightweight, compact design
- High efficiency - SEER up to 7,8

STANDARD ACCESSORIES

- Chassis heater
- Pipe adapters
- Drain plugs
- Drain water adapter

space and air
in harmony
... tailored to your space

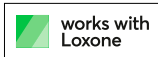


TECHNICAL PARAMETERS

MODEL		MV-E14BI2	MV-E18BI2	MV-E21BI2
Number of connectable indoor units		1-2	1-2	2-3
Capacity cooling / heating	kW	4,1 / 4,4	5,3 / 5,6	6,1 / 6,5
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	7,2 / 4,2	6,6 / 4,0	7,8 / 4,3
Energy class cooling/heating (Average)	-	A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1m	dB(A)	52	54	58
Dimension (w x h x d)/Net weight	mm/kg	822*550*352 / 30,0	822*550*352 / 32,0	964*660*402 / 47,5
Operating temperature range (Cool/Heat)	°C	-15-43 / -22-24	-15-43 / -22-24	-15-43 / -22-24

MODEL		MV-E24BI2	MV-E28BI2	MV-E36BI2
Number of connectable indoor units		2-3	2-4	2-4
Capacity cooling / heating	kW	7,1 / 8,6	8,0 / 9,5	10,6 / 12,0
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	7,1 / 4,3	7,2 / 4,2	7,2 / 4,0
Energy class cooling/heating (Average)	-	A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1m	dB(A)	58	58	60
Dimension (w x h x d)/Net weight	mm/kg	964*660*402 / 47,5	964*660*402 / 51,0	1020*826*427 / 72,0
Operating temperature range (Cool/Heat)	°C	-15-43 / -22-24	-15-43 / -22-24	-15-43 / -22-24

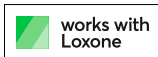
MODEL		MV-E42BI2		
Number of connectable indoor units		2-5		
Capacity cooling / heating	kW	12,1 / 13,0		
Power supply	Phase / Hz / V	1~ / 50 / 220-240		
SEER / SCOP	-	NA		
Energy class cooling/heating (Average)	-	NA		
Sound pressure level at 1m	dB(A)	60		
Dimension (w x h x d)/Net weight	mm/kg	1020*826*427 / 73,0		
Operating temperature range (Cool/Heat)	°C	-15-43 / -22-24		



marvin series

MODEL MARVIN		SIH-09BIMx	SIH-12BIMx	SIH-18BIMx
Capacity cooling / heating	kW	2,7 / 3,0	3,5 / 3,8	5,3 / 5,4
Power supply	Hz / V	outdoor		
Sound pressure level at 1m	dB(A)	38 / 37 / 34 / 31 / 26 / 23 / 22 / 19	41 / 38 / 36 / 33 / 30 / 27 / 25 / 19	45 / 42 / 40 / 37 / 34 / 29 / 26 / 23
Dimension (w x h x d)/Net weight	mm/kg	837×293×200 / 9,5		993×311×222 / 12,5

MODEL MARVIN		SIH-24BIMx		
Capacity cooling / heating	kW	7,1 / 7,3		
Power supply	Hz / V	outdoor		
Sound pressure level at 1m	dB(A)	48 / 44 / 41 / 40 / 38 / 36 / 33 / 27		
Dimension (w x h x d)/Net weight	mm/kg	993×311×222 / 13,0		



keyon series

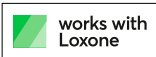
MODEL KEYON		SIH-07BIK	SIH-09BIK	SIH-12BIK
Capacity cooling / heating	kW	2,2 / 2,4	2,7 / 2,8	3,2 / 3,4
Power supply	Hz / V	outdoor		
Sound pressure level at 1m	dB(A)	39 / 37 / 33 / 22	40 / 38 / 34 / 23	41 / 36 / 32 / 23
Dimension (w x h x d)/Net weight	mm/kg	696×251×190 / 7,5	770×251×190 / 8,5	849×289×215 / 10,5

MODEL KEYON		SIH-18BIK	SIH-24BIK	
Capacity cooling / heating	kW	4,6 / 5,2	6,2 / 6,5	
Power supply	Hz / V	outdoor		
Sound pressure level at 1m	dB(A)	48 / 41 / 37 / 31	48 / 44 / 40 / 35	
Dimension (w x h x d)/Net weight	mm/kg	972×300×225 / 13,5	1081×325×248 / 16,5	

SIH-07BIK is not equipped with WiFi module - can be equipped with SWM-04 WiFi module
 SIH-07BIK and SIH-09BIK are without wired controller possibility, without possibility to connect to external BMS systems MODBUS/BACNET and without the door contact

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terrel series

MODEL TERREL		SIH-09BITx	SIH-13BITx	SIH-18BITx
Capacity cooling / heating	kW	2,7 / 3,0	3,5 / 3,8	5,2 / 5,3
Power supply	Hz / V	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	38 / 36 / 34 / 31 / 29 / 27 / 25	42 / 38 / 35 / 32 / 29 / 27 / 25	45 / 43 / 41 / 38 / 35 / 34 / 31
Dimension (w x h x d)/Net weight	mm/kg	889×294×212 / 11,0	889×294×212 / 11,0	1013×307×221 / 13,5

MODEL TERREL		SIH-24BITx		
Capacity cooling / heating	kW	7,0 / 7,4		
Power supply	Hz / V	outdoor		
Sound pressure level at 1m	dB(A)	48 / 45 / 42 / 39 / 37 / 36 / 33		
Dimension (w x h x d)/Net weight	mm/kg	1122×329×247 / 17,5		



ray series

MODEL RAY		SIH-09BIR	SIH-12BIR3	SIH-18BIR
Capacity cooling / heating	kW	2,7 / 2,8	3,2 / 3,4	4,6 / 5,2
Power supply	Hz / V	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	40 / 37 / 33 / 21	42 / 36 / 32 / 23	48 / 42 / 38 / 31
Dimension (w x h x d)/Net weight	mm/kg	773×250×185 / 8,5	849×289×215 / 10,5	970×300×225 / 13,0

MODEL RAY		SIH-24BIR		
Capacity cooling / heating	kW	6,2 / 6,5		
Power supply	Hz / V	outdoor		
Sound pressure level at 1m	dB(A)	48 / 45 / 37 / 26		
Dimension (w x h x d)/Net weight	mm/kg	970×300×225 / 13,5		

console units

FEATURES

- Wifi module
- Filters - catechin SAF-OPWC4 and active carbon filter SAF-OPWA4
- Dual air outlet for heating
- Cold plasma generator
- Remote controller
- MODBUS and BACNET control possibility via optional accessories



MODEL		MV-P09BI	MV-P12BI	MV-P18BI
Capacity cooling / heating	kW	2,7 / 2,9	3,5 / 3,8	5,2 / 5,3
Power supply	Hz / V	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	39 / 36 / 34 / 32 / 30 / 26 / 23	44 / 40 / 38 / 36 / 33 / 29 / 25	47 / 45 / 42 / 40 / 37 / 35 / 31
Dimension (w x h x d)/Net weight	mm/kg	700×600×215 / 15,5	700×600×215 / 15,5	700×600×215 / 15,5

floor ceiling units

FEATURES

- Horizontal/vertical position
- Remote controller
- Dry on/off contact
- MODBUS and BACNET control possibility via optional accessories
- SWC-04C wired controller with integrated WiFi as optional accessories



MODEL		MV-F09BI	MV-F12BI	MV-F18BI
Capacity cooling / heating	kW	2,6 / 2,7	3,5 / 4,0	4,5 / 5,0
Power supply	Hz / V	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	40 / 36 / 34 / 32 / 30 / 26 / 23	42 / 40 / 38 / 36 / 34 / 31 / 25	38 / 35 / 30 / 26
Dimension (w x h x d)/Net weight	mm/kg	870×665×235 / 25,0	870×665×235 / 25,0	870×665×235 / 25,5

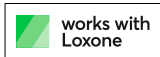
MODEL		MV-F24BI		
Capacity cooling / heating	kW	7,1 / 8,0		
Power supply	Hz / V	outdoor		
Sound pressure level at 1m	dB(A)	38 / 35 / 30 / 26		
Dimension (w x h x d)/Net weight	mm/kg	1200×665×235 / 33,0		



8-way cassette units

FEATURES

- Built in water pump
- White decorative panel in standard
- Black decorative panel as optional accessories CAB (for MV-C09BI2, MV-C12BI2 and MV-C18BI2) and CBB (for MV-C24BI2)
- Remote controller
- Fresh air supply
- Dry door contact
- SWC-04C wired controller with integrated WiFi and MODBUS as optional accessories
- MODBUS and BACNET control possibility via optional accessories



NEW

MODEL		MV-C09BI2	MV-C12BI2	MV-C18BI2
Capacity cooling / heating	kW	2,8 / 2,8	3,5 / 4,0	5,0 / 5,5
Power supply	Hz / V	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	41 / 36 / 32 / 28	41 / 36 / 32 / 28	43 / 36 / 32 / 28
Dimension (w x h x d)/Net weight	mm/kg	570x570x265 / 17,0	570x570x265 / 17,0	570x570x265 / 17,0

MODEL		MV-C24BI2		
Capacity cooling / heating	kW	7,0 / 8,0		
Power supply	Hz / V	outdoor		
Sound pressure level at 1m	dB(A)	46 / 42 / 39 / 37		
Dimension (w x h x d)/Net weight	mm/kg	840x840x240 / 29,0		

duct units

FEATURES

- Built in water pump
- SWC-04C wired controller with integrated WiFi and MODBUS
- MODBUS and BACNET control possibility via optional accessories
- Dry door contact
- Available in two variants:
 - standard MV-DxxBI2
 - with increased static pressure MV-DxxBIP



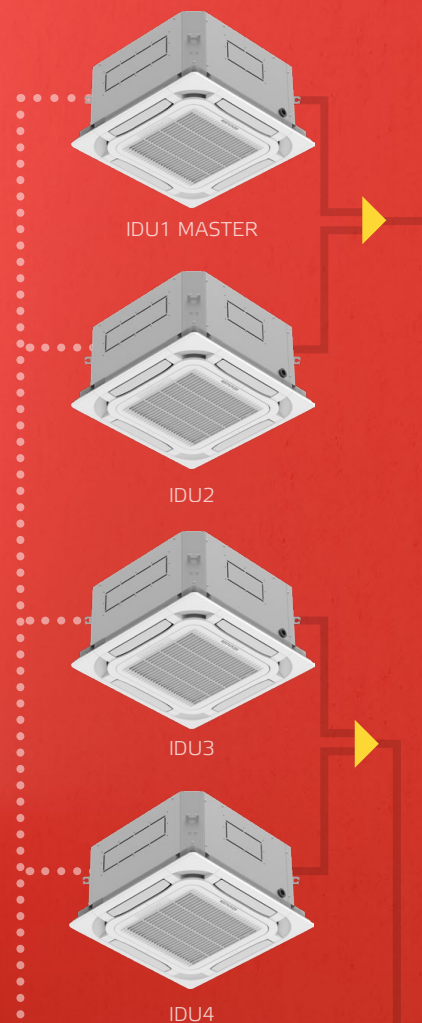
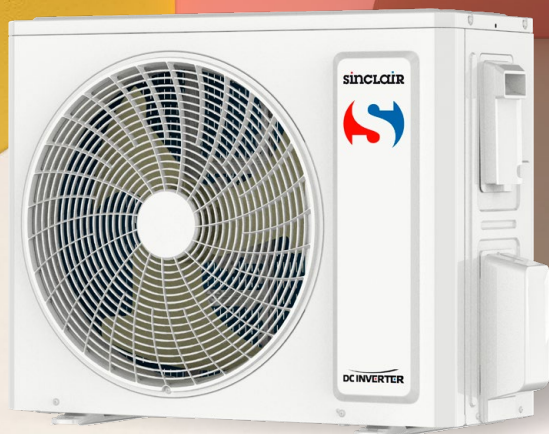
MODEL		MV-D09BI2	MV-D12BI2	MV-D18BI2
Capacity cooling / heating	kW	2,7 / 2,8	3,5 / 4,0	5,0 / 5,5
Power supply	Hz / V	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	32 / 28 / 25 / 22	36 / 34 / 31 / 27	36 / 31 / 28 / 25
External static pressure	Pa	0-10	0-10	0-10
Dimension (w x h x d)/Net weight	mm/kg	710x200x450 / 18,5	710x200x450 / 19,0	1010x200x450 / 25,0

MODEL		MV-D24BI2	MV-D09BIP	MV-D12BIP
Capacity cooling / heating	kW	7,0 / 8,0	2,7 / 2,8	3,5 / 4,0
Power supply	Hz / V	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	46 / 42 / 40 / 36	41 / 39 / 38 / 37 / 36 / 35 / 34	39 / 37 / 36 / 35 / 34 / 33 / 32
External static pressure	Pa	0-40	25-60	25-60
Dimension (w x h x d)/Net weight	mm/kg	900x260x655 / 31,0	710x200x450 / 18,5	710x200x450 / 19,0

MODEL		MV-D18BIP	MV-D24BIP	
Capacity cooling / heating	kW	5,0 / 5,5	7,0 / 8,0	
Power supply	Hz / V	outdoor	outdoor	
Sound pressure level at 1m	dB(A)	41 / 39 / 39 / 38 / 38 / 37 / 34	45 / 40 / 40 / 38 / 38 / 36 / 36	
External static pressure	Pa	25-60	25-125	
Dimension (w x h x d)/Net weight	mm/kg	1010x200x450 / 25,0	900x260x655 / 31,0	

ECOLOGICAL REFRIGERANT R32

uni split 2 series



outdoor units

FEATURES

- Energy class A++ / A+
- Lightweight, compact design
- All capacities are single fan
- Chassis heater

SEMI-INDUSTRIAL UNITS AVAILABLE IN CAPACITIES OF 3,5 ~ 16 KW. UNITS WITH CAPACITIES OF 10 KW OR HIGHER ARE ALSO AVAILABLE IN 3-PHASE DESIGN.

CONNECTION OPTIONS

- SPLIT APPLICATION:
Represents a classic UNI split installation with one indoor unit.
- COMBI APPLICATION:
Allows the connection of two, three or four indoor units of the same capacity and pipe lengths, controlled by one group controller. Refnets are not included and are sold separately.



TECHNICAL PARAMETERS

MODEL		ASGE-12BI2	ASGE-18BI2	ASGE-24BI2
Capacity cooling / heating	kW	3,5 / 4,0	5,3 / 5,8	7,1 / 8,0
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Sound pressure level at 1m	dB(A)	48	52	55
Dimension (w x h x d)/Net weight	mm/kg	675x553x285 / 24,5	745x555x300 / 30,5	889x660x340 / 41,5
Operating temperature range (Cool/Heat)	°C	-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

MODEL		ASGE-30BI2	ASGE-36BI2	ASGE-36BI2-3
Capacity cooling / heating	kW	8,5 / 8,8	10,5 / 11,5	10,5 / 11,5
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	3~ / 50 / 380-415
Sound pressure level at 1m	dB(A)	57	57	57
Dimension (w x h x d)/Net weight	mm/kg	889x660x340 / 46,0	940x820x530 / 65,0	940x820x370 / 75,0
Operating temperature range (Cool/Heat)	°C	-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

MODEL		ASGE-42BI2-3	ASGE-48BI2-3	ASGE-60BI2-3
Capacity cooling / heating	kW	12,1 / 13,5	13,4 / 15,5	16,0 / 17,0
Power supply	Phase / Hz / V	3~ / 50 / 380-415	3~ / 50 / 380-415	3~ / 50 / 380-415
Sound pressure level at 1m	dB(A)	58	59	60
Dimension (w x h x d)/Net weight	mm/kg	940x820x370 / 76,0	940x820x370 / 81,0	990x960x370 / 94,0
Operating temperature range (Cool/Heat)	°C	-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

8-way cassette units

FEATURES

- Black decorative panel as optional accessories CAB (from ASC-12BI2 to ASC-18BI2) and CBB (from ASC-24BI2 to ASC-60BI2)
- White decorative panel as standard
- Autorestart function
- Water pump
- Dry door contact
- Fresh air supply
- Remote controller
- Function "I FEEL"
- 8 °C heating
- Lower temperature dehumidifying (12°C indoor temperature)
- MODBUS and BACNET control possibility via optional accessories



BLACK DECORATIVE PANEL AS OPTIONAL ACCESSORIES



TECHNICAL PARAMETERS

MODEL		ASC-12BI2	ASC-18BI2	ASC-24BI2
Capacity cooling / heating	kW	3,5 / 4,0	5,3 / 5,8	7,1 / 8,0
Power supply	Phase / Hz / V	outdoor	outdoor	outdoor
SEER / SCOP	-	7,1 / 4,2	7,2 / 4,3	6,7 / 4,3
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1m	dB(A)	36 / 35 / 33 / 29	43 / 41 / 39 / 35	39 / 38 / 36 / 34
Dimension (w x h x d)/Net weight	ID	570×260×570 / 16,5	570×260×570 / 16,5	840×200×840 / 21,0
	panel	620×47,5×620 / 4,5	620×47,5×620 / 4,5	950×52×950 / 9,5
Operating temperature range (Cool/Heat)	°C	-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

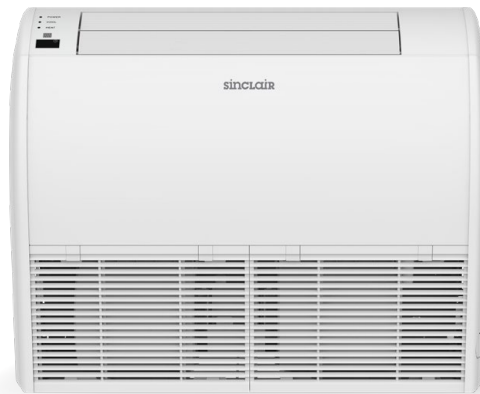
MODEL		ASC-30BI2	ASC-36BI2	ASC-42BI2
Capacity cooling / heating	kW	8,5 / 8,8	10,5 / 11,5	12,1 / 13,5
Power supply	Phase / Hz / V	outdoor	outdoor	outdoor
SEER / SCOP	-	6,9 / 4,3	6,6 / 4,4	6,1 / 4,1
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1m	dB(A)	47 / 46 / 42 / 38	43 / 41 / 39 / 38	48 / 46 / 43 / 39
Dimension (w x h x d)/Net weight	ID	840×200×840 / 21,0	840×240×840 / 23,0	840×240×840 / 23,0
	panel	950×52×950 / 9,5	950×52×950 / 9,5	950×52×950 / 9,5
Operating temperature range (Cool/Heat)	°C	-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

MODEL		ASC-48BI2	ASC-60BI2
Capacity cooling / heating	kW	13,4 / 15,5	14,5 / 17,0
Power supply	Phase / Hz / V	outdoor	outdoor
SEER / SCOP	-	6,3 / 4,0	6,1 / 4,0
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+
Sound pressure level at 1m	dB(A)	50 / 48 / 45 / 41	53 / 50 / 48 / 44
Dimension (w x h x d)/Net weight	ID	840×290×840 / 25,0	840×290×840 / 26,0
	panel	950×52×950 / 9,5	950×52×950 / 9,5
Operating temperature range (Cool/Heat)	°C	-20-52 / -20-24	-20-52 / -20-24

floor-ceiling units

FEATURES

- Aut restart function
- Dry door contact
- Remote controller
- Function "I FEEL"
- 8 °C heating
- Lower temperature dehumidifying (12°C indoor temperature)
- MODBUS and BACNET control possibility via optional accessories



TECHNICAL PARAMETERS

MODEL			ASF-12BI2	ASF-18BI2	ASF-24BI2
Capacity cooling / heating	kW		3,5 / 4,0	5,3 / 5,6	7,1 / 7,7
Power supply	Phase / Hz / V		outdoor	outdoor	outdoor
SEER / SCOP	-		7,2 / 4,1	6,5 / 4,2	7,2 / 4,3
Energy class cooling/heating (Average)	-		A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1m	ID	dB(A)	35 / 34 / 31 / 28	41 / 40 / 38 / 36	41 / 39 / 37 / 35
Dimension (w x h x d)/Net weight	ID	mm/kg	870*665*235 / 24,0	870*665*235 / 25,0	1200*665*235 / 31,0
Operating temperature range (Cool/Heat)	°C		-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

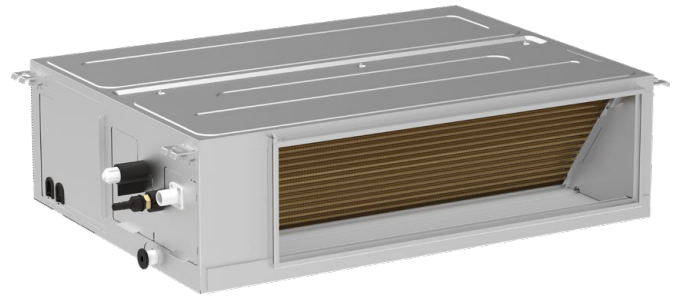
MODEL			ASF-30BI2	ASF-36BI2	ASF-42BI2
Capacity cooling / heating	kW		8,5 / 8,8	10,0 / 11,5	12,1 / 13,5
Power supply	Phase / Hz / V		outdoor	outdoor	outdoor
SEER / SCOP	-		6,8 / 4,5	6,3 / 4,2	6,3 / 4,0
Energy class cooling/heating (Average)	-		A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1m	ID	dB(A)	46 / 45 / 43 / 39	48 / 46 / 45 / 43	45 / 43 / 40 / 38
Dimension (w x h x d)/Net weight	ID	mm/kg	1200*665*235 / 32,0	1200*665*235 / 32,0	1570*665*235 / 39,5
Operating temperature range (Cool/Heat)	°C		-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

MODEL			ASF-48BI2	ASF-60BI2	
Capacity cooling / heating	kW		13,4 / 15,5	16,0 / 17,0	
Power supply	Phase / Hz / V		outdoor	outdoor	
SEER / SCOP	-		6,3 / 4,0	6,1 / 4,0	
Energy class cooling/heating (Average)	-		A++ / A+	A++ / A+	
Sound pressure level at 1m	ID	dB(A)	51 / 48 / 45 / 43	54 / 51 / 48 / 44	
Dimension (w x h x d)/Net weight	ID	mm/kg	1570*665*235 / 42,0	1570*665*235 / 42,0	
Operating temperature range (Cool/Heat)	°C		-20-52 / -20-24	-20-52 / -20-24	

duct units

FEATURES

- Autorestart function
- Dry door contact
- Water Pump
- Wired controller SWC-05 in standard
- Function "I FEEL"
- 8 °C heating
- Lower temperature dehumidifying (12°C indoor temperature)
- MODBUS and BACNET control possibility via optional accessories



TECHNICAL PARAMETERS

MODEL			ASD-12BI2	ASD-18BI2	ASD-24BI2
Capacity cooling / heating	kW		3,5 / 4,0	5,3 / 5,6	7,1 / 8,0
Power supply	Phase / Hz / V		outdoor	outdoor	outdoor
SEER / SCOP	-		6,5 / 4,0	6,3 / 4,0	6,6 / 4,1
Energy class cooling/ heating (Average)	-		A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1m	ID	dB(A)	35 / 33 / 32 / 30	36 / 35 / 33 / 31	37 / 35 / 33 / 31
Dimension (w x h x d)/Net weight	ID	mm/kg	700×450×200 / 18,0	1000×450×200 / 24,0	900×655×260 / 29,5
Operating temperature range (Cool/Heat)	°C		-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

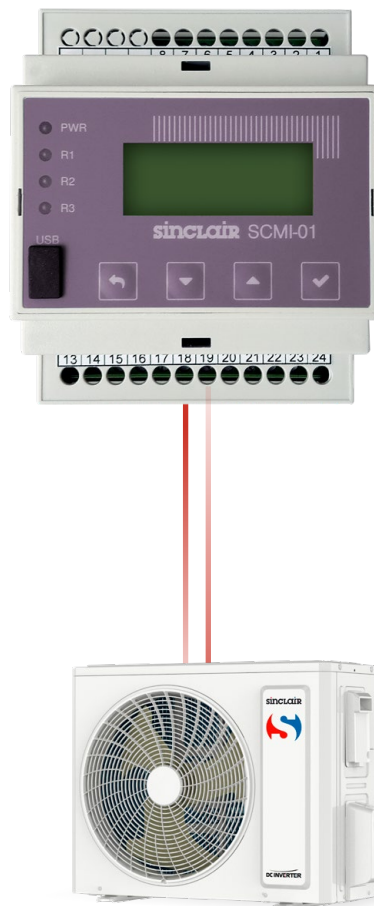
MODEL			ASD-30BI2	ASD-36BI2	ASD-42BI2
Capacity cooling / heating	kW		8,5 / 8,8	10,5 / 11,5	12,1 / 13,5
Power supply	Phase / Hz / V		outdoor	outdoor	outdoor
SEER / SCOP	-		6,4 / 4,1	6,4 / 4,2	6,1 / 4,1
Energy class cooling/ heating (Average)	-		A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1m	ID	dB(A)	43 / 41 / 39 / 37	39 / 38 / 37 / 36	43 / 42 / 41 / 40
Dimension (w x h x d)/Net weight	ID	mm/kg	900×655×260 / 29,5	1340×655×260 / 43,0	1340×655×260 / 43,0
Operating temperature range (Cool/Heat)	°C		-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

MODEL			ASD-48BI2	ASD-60BI2	
Capacity cooling / heating	kW		13,4 / 15,5	16,0 / 17,0	
Power supply	Phase / Hz / V		outdoor	outdoor	
SEER / SCOP	-		6,1 / 4,0	6,1 / 4,0	
Energy class cooling/ heating (Average)	-		A++ / A+	A++ / A+	
Sound pressure level at 1m	ID	dB(A)	43 / 42 / 40 / 38	46 / 44 / 42 / 40	
Dimension (w x h x d)/Net weight	ID	mm/kg	1400×700×300 / 52,0	1400×700×300 / 55,0	
Operating temperature range (Cool/Heat)	°C		-20-52 / -20-24	-20-52 / -20-24	

communication module SCMI-01.5C

FEATURES

- Compatible with outdoor units ASGE-xxBI2/-3 of UNI SPLIT 2 series
- Set temperature range from -10 °C (cooling) up to +50 °C (heating)
- Control of separate condensing units
- 3 Basic operation modes - controlled by room temperature, suction pressure or 0-10 V external signal
- Password protected setting
- Language options
- Pre-setting of all parameters via PC - USB-C connector
- Communicator software
- MODBUS protocol
- DIN rail compatible – 4M wide, installation in power distribution unit



TECHNISCHE PARAMETER

MODEL		SCMI-01.5C ŘÍDÍČÍ MODUL
Power supply	V/Hz	230 / 50 ±10%
Max. power input	VA	15
Dimension (w x h x d)	mm	90 x 71 x 58
Package dimension (w x h x d)	mm	120 x 100 x 80
Wieght netto / brutto	kg	0,21 / 0,35
Storage temperature	°C	-25~+70
Operating temperature	°C	-10~+55
Outputs		3x relay 230 V / 2 A
Inputs		comm input
		2x temperature sensor input
		1x 0-10 V voltage input with 100 kΩ resistance
		1x 4-20 mA current input for pressure sensor 0-18 bar
		1x MODBUS input
Standard accessories		2x temperature sensor NTC015WF00 (10 kΩ; =3435)
Optional accessories		Pressure sensor Alco Controls PT5-18M

tower series



FEATURES

- Designed with an emphasis on aesthetics
- Usable for larger areas such as offices, meeting rooms, restaurants etc.
- Equipped with horizontal and vertical electric louver
- WiFi
- Controlled by built-in panel or remote controller
- Remote controller

space and air in harmony

...high efficiency and quality of air conditioning technology



TECHNICAL PARAMETERS

MODEL			AST-24BI2	AST-48BI2	
Capacity cooling / heating	kW		7,2 / 7,9	12,3 / 12,6	
Power supply	Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER/ SCOP			6,1 / 3,8	5,7 / 3,7	
Energy class cooling/ heating (Average)			A++ / A	A+ / A	
Sound pressure level at 1m	ID	dB(A)	45 / 41 / 39 / 35	53 / 51 / 50 / 48	
	OD	dB(A)	61	63	
Dimension (w x h x d)/Net weight	ID	mm/kg	507×1770×320 / 38,0	587×1882×394 / 53,0	
	OD	mm/kg	958×660×402 / 43,0	1000×746×427 / 55,0	
Operating temperature range (Cool/Heat)	°C		-15~50 / -15~30	-15~50 / -15~30	

window series



FEATURES

- Energy class A
- Cooling mode only
- Dirty filter alarm
- Low voltage startup
- Remote controller

MANUAL CONTROL PANEL

- Possibility to control unit via buttons on front panel of air conditioner.



space and air in harmony

... clear view of air conditioning comfort



TECHNICAL PARAMETERS

MODEL			ASW-09BI	ASW-12BI	
Capacity cooling / heating	kW		2,7	3,7	
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER	-		5,2	5,4	
Energy class cooling	-		A	A	
Sound pressure level at 1m	ID	dB(A)	50 / 48 / 46	50 / 48 / 46	
	OD	dB(A)	56 / 54 / 52	58 / 56 / 54	
Dimension (w x h x d)/Net weight	mm/kg		560x375x710 / 43,0	660x428x700 / 50,0	
Operating temperature range	°C		16-43	16-43	

ECOLOGICAL
REFRIGERANT  R32

monoblock series



FEATURES

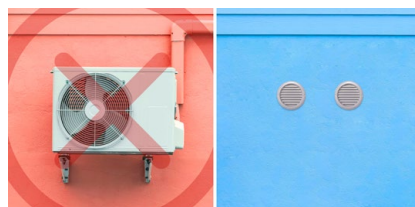
- 4 in 1 Function including Cooling/Heating/Fan/Dehumidifying
- Installation without outdoor unit:
Unique and easy solution for applications without possibility of outdoor units - historical conservation areas, renting apartments, etc.
- DC Inverter Technology
- Attractive design - metal case
- LCD Display
- 24 Hours ON/OFF Timer
- Without vacuuming effect in the room

STANDARD ACCESSORIES

- Remote controller
- WiFi
- Complete installing kit



INSTALLATION WITH AND WITHOUT OUTDOOR UNIT. THE EXTERIOR IS ALMOST UNTOUCHED

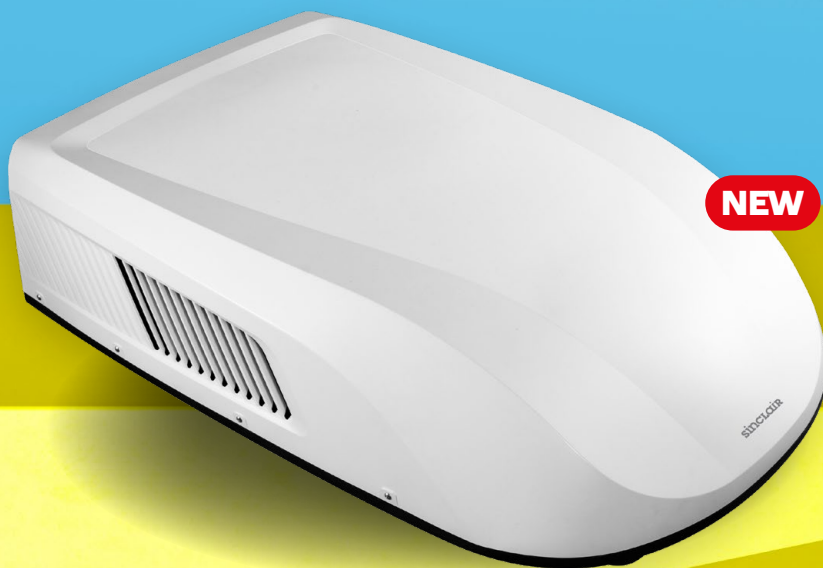


TECHNICAL PARAMETERS

MODEL		ASM-10BI	ASM-12BI	
Capacity cooling / heating	kW	2,9 / 2,6	3,5 / 2,9	
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	
EER/ COP	-	2,6 / 3,6	2,6 / 3,1	
Energy class cooling/ heating (Average)	-	A / A+	A / A+	
Sound pressure level at 1m	ID dB(A)	47 - 38	47 - 39	
Refrigerant type / amount	- / kg	R32 / 0,55	R32 / 0,55	
Dimension (w x h x d)/Net weight	mm/kg	1000x585x205 / 43,5	1000x585x205 / 43,5	
Application Area	m²	20-25	25-30	

ECOLOGICAL
REFRIGERANT  R32

camper trailer series



FEATURES

- Operating temperature -5~46 °C
- For roofs with a thickness of 30-80 mm
- Power supply 220-240V/50Hz/1Ph
- Stepless inverter regulation
- WiFi
- Ultraslim design of indoor panel
- Compressor protection
- Manual and remote control
- Powerful cooling, heating and dehumidification
- Quiet operation
- Closable air outlets
- Remote controller
- Built-in LED lamp
- Mounting frame as standard
- Weight of outdoor unit only 29,5 kg

space and air in harmony

... wherever you go



INDOOR PANEL
ULTRASLIM AND
INNOVATIVE DESIGN



TECHNICAL PARAMETERS

MODEL			ASV-25BIS	ASV-35BIS	
Capacity cooling / heating	kW		2,6 / 2,5	3,6 / 3,4	
Power supply	Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	
EER/ COP	-		2,8 / 3,2	3,3 / 3,6	
Sound pressure level at 1m	ID	dB(A)	53 / 49 / 42	54 / 49 / 43	
	OD	dB(A)	54	54	
Dimension (w x h x d)/Net weight	ID	mm/kg	610×49×485 / 2,7	610×49×485 / 2,7	
	OD	mm/kg	1077×283×720 / 29,5	1077×283×720 / 29,5	
Operating temperature range (Cool/Heat)	°C		18 ~ 46 / - 5 ~ 24	18 ~ 46 / - 5 ~ 24	

R410A
REFRIGERANT

boat series



FEATURES

- Compact space-saving design
- Power supply 50/60 Hz
- High COP compared to air-cooled units
- Corrosion proof and rust prevention coating
- High quality of heat insulating material
- Operating temperature range:
Cooling: 16~43 °C (10 °C~35 °C of inlet water)
Heating: -10~30 °C (4 °C~25 °C of inlet water)
- Wired and remote controller as standard

space and air
in harmony

... wherever you sail



WIRED AND REMOTE
CONTROLLER AS STANDARD



TECHNICAL PARAMETERS

MODEL			ASB-05A	ASB-09A	ASB-12A
Capacity cooling / heating	kW		1,1 / 1,4	2,1 / 2,2	3,1 / 3,2
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		2,0 / 2,6	2,3 / 2,5	2,8 / 2,9
Sound pressure level at 1m	ID	dB(A)	58	58	58
Dimension (w x h x d)/Net weight	ID	mm/kg	285×408×295 / 25,5	380×408×310 / 28,0	380×420×330 / 33,0
Operating temperature range (Cool/Heat)	°C		16~43 / -10~30	16~43 / -10~30	16~43 / -10~30

MODEL			ASB-16A	ASB-24A	
Capacity cooling / heating	kW		3,2 / 4,0	6,4 / 6,7	
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER / SCOP	-		2,7 / 3,1	4,4 / 3,8	
Sound pressure level at 1m	ID	dB(A)	62	60	
Dimension (w x h x d)/Net weight	ID	mm/kg	450×465×330 / 37,5	595×529×386 / 60,5	
Operating temperature range (Cool/Heat)	°C		16~43 / -10~30	16~43 / -10~30	

R290

NATURAL
REFRIGERANT

local air conditioners



FEATURES

- Auto-protection function
- Independent dehumidifying function
- Exchangeable filter
- 24-hour timer
- Environmentally friendly
- 2-year warranty
- Remote controller

STANDARD ACCESSORIES

AMC-WINK window kit



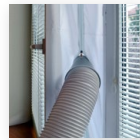
OPTIONAL ACCESSORIES

AMC-WK wall kit



Enables to attach the discharge hose to a wall. Hot air is discharged outside through hole. The kit includes inner and outer outlet and a cover.

WK-400A window kit



For installation to half open window. Hot air discharge is secured thanks to fixed hose and the cloth prevents hot air from entering the room. Also for roof windows with hinges on shorter side. Total length is 4,0 m. Set includes velcro for installation.

AK-15A control module



Leave the noise outside. AK-15A control module enables to place the air conditioners outside the room.



TECHNICAL PARAMETERS

MODEL			AMC-11P	AMC-14P	
Capacity cooling / heating	kW		3,0 / 3,0	4,0 / 4,0	
Power supply	Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	
EER / COP	-		2,6 / 3,1	2,6 / 3,1	
Energy class cooling/ heating	-		A / A++	A / A++	
Sound pressure level at 1m	ID	dB(A)	56	56	
Dimension (w x h x d)/Net weight	ID	mm/kg	300x760x532 / 28,5	300x760x532 / 30,6	
Operating temperature range (Cool/Heat)	°C		17-32 / 7-25	17-32 / 7-25	

R290

NATURAL
REFRIGERANT

mobile dehumidifiers



CFO-20P



CFO-18P



CFO-40P

FEATURES

- Powerful dehumidifying function
- Silent operation
- Mode indicators
- Drying
- Low power consumption
- Indication of opened water tank
- External drain water outlet
- Protection of overflowing
- 2-year warranty

space and air in harmony

... for optimal interior humidity



ELEGANTLY HIDDEN TRAY
FOR CONDENSATE WATER



TECHNICAL PARAMETERS

MODEL		CFO-18P	CFO-20P	CFO-40P
Dehumidifying volume	l/day	18,0	20,0	40,0
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Power input / Max. power input	W	250 / 380	360 / 450	670 / 900
Rated current	A	1,6	2,1	4
Sound pressure level at 1m	dB(A)	43 / 41	43 / 41 / 39	48 / 45 / 42
Water tank volume	l	2,5	3,5	6,5
Optimal room size	m ²	22	28	48
Dimension (w x h x d)/Net weight	mm/kg	305×490×192 / 10,7	363×577×245 / 15,5	396×625×286 / 22,5
Operating temperature range	°C	5-32	5-32	5-32

air purifiers



FEATURES

- Anion generator
- Auto detecting of air quality
- Multiple filtration system
- HEPA and carbon filter
- Ultrasilent mode
- Low power consumption
- Timer
- 2-year warranty

STANDARD ACCESSORIES

- HEPA filter
- Active carbon filter
- Cotton filter

OPTIONAL ACCESSORIES

- SPF-45H14 replacement dust filters

space and air
in harmony
... for a clean and colorful world



TECHNICAL PARAMETERS

MODEL		SP-45AN		
Optimal room size	m ²	10 - 45		
Power supply	Phase / Hz / V	1~ / 50 / 220-240		
Cleaning volume (CADR)	m ³ /h	340		
Sound pressure level	dB(A)	19 - 51		
Dimension (w x h x d)/Net weight	mm/kg	374x594x201 / 6,8		
Operating temperature range	°C	0-40		

accessories for sinclair air conditioning systems



wired controllers

SWC-02C

For MULTI VARIABLE, wall mounted and console series. This optional wired controller is connected directly to the indoor unit. It also serves as a Modbus gateway.

- Address setting for central/long distance control
- Displaying unit status and error codes
- Modbus gateway
- Timers (daily, weekly, two-week)
- Connecting cable included

SWC-02C



SWC-04C

For Multi Variable indoor units, SIH wall mounted units and console series. The controllers allows Wifi control even at units without such function - cassette, duct and floor-ceiling.

- WiFi module inside
- Address setting for central/long distance control
- Child lock
- Auto restart
- MODBUS gateway
- Connecting cable included

SWC-04C



SWC-05W

For units of UNI SPLIT 2 series

- WiFi module inside
- Address setting for central/long distance control
- Unit's status and error display
- Child lock

SWC-05W



SWC-07

For units of UNI SPLIT 2 series

- Weekly timer
- WiFi module inside
- Address setting for central/long distance control
- Unit's status and error display
- Child lock

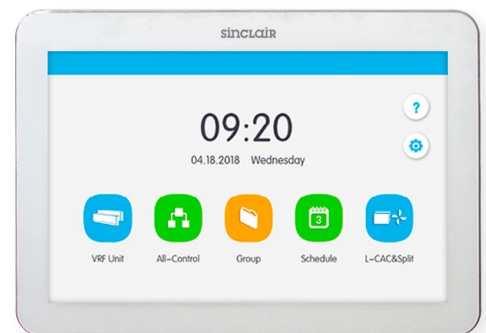
SWC-07



central controller and weekly timer SCC-36

Can be used with UNI SPLIT series, Multi Variable series and wall mounted units equipped with wired controller.

- Stylish central controller with touch screen
- Connects up to 36 indoor units
- User friendly interface
- Weekly timer
- Single or central control



control module SCMI-03S

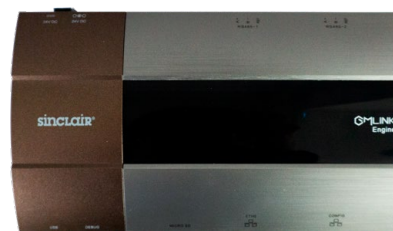
Control module for Air Conditioners in Server rooms.

- For 2 air conditioners in same room
- Periodic switching of the units
- Turning on the 2nd unit when there is lack of capacity
- Error signalization when limit temperature is exceeded



BACNET gateway SBG-01

Bacnet gateway allows external control via Bacnet protocol. One gateway can communicate with up to 255 indoor units. Te connection is done via SWC-02C, SWC-04C and SMG-01.



Modbus gateway SMG-01

- Enables the communication of indoor units of UNI SPLIT series via the Modbus protocol.
- Can be used for connection of external control system, which uses Modbus protocol or for connection of central controller SCC-36.
- Control software is not included, it has to be field supplied.



alarm interface SAI-01

The SAI-01 is an external, separately powered module, which can be connected to the communication line of wall-mounted air conditioner to indicate the operational or malfunction status of the air conditioner. Only for split air conditioners SIH+SOH-xxBIx and ASP-xxBI.



diagnostic tool SDT-RAC

- For residential units - wall mounted, Multi Variable and UNI SPLIT 2 series
- Indoor and outdoor unit diagnostics
- Running parameters display
- Test of indoor and outdoor mainboard during communication malfunction
- User friendly (just 3 buttons)
- Simple display (4 lines)
- Connected to terminal boards of units



module G2S-T

It is designed for external monitoring of two temperatures. In case of cooling or freezing goods and food or if technologies (eg. servers) are air-conditioned, it minimizes the risk of failure by sending a SMS or by phone ring to a pre-selected phone number.



SWM-04 WiFi module

WiFi module compatible with RAY series.



OPTIONAL FILTERS

LTC CATALYST FILTER

A mechanical filter intercepts aerosols and particles, purifies indoor air under room temperature and condition, catalyzes and decomposes up to 80 % ammonia, hydrogen sulphide and aldehyde. This filter is constant and can be used for long time without regeneration. It is water washable and the effect is the same after wash. Accessories for all wall mounted types of air conditioning.

CATECHIN FILTER SAF-OPWC

Catechin is a green tea extract, which is being added to the filters for its oxidizing and sterilizing effects. Active enzymes form a benzene nucleus which absorbs odors and harmful substances in the air. Catechins filter effectively captures and sterilizes dust particles. It is antibacterial - destroys more than 95 % of bacteria, e.g., Staphylococcus aureus.

ACTIVE CARBON FILTER SAF-OPWA

Activated carbon is an excellent absorbent with capability of dual absorption: physical and chemical, as from air and from fluids. Quickly absorbs harmful gases, e.g., benzene, formaldehyde and ammonia.

PHOTOCATALYTIC FILTER SAF-OPWP

Photocatalytic filter reduces odors and germs via its ultraviolet light. Effectively purifies the air and keeps it fresh. Titan TiO₂ contained in this filter has a strong photocatalytic effect, but it is also environmentally friendly. Removes from the air more than 90 % of acetic acid, formaldehyde, ammonia and more than 70 % of renewable pollutants.

SILVER ION FILTER SAF-OPWS

Silver ion filter is an entirely new kind of powerful sterilizing product. Silver ions are odorless and colorless and have no side effects, such as irritation, pollution or volatility. After sterilization the ions recycle themselves, therefore have a long lifespan and effectively prevent bacterial growth. The filter is also environmentally friendly and completely safe. It is highly efficient and destroys over 99 % of the bacteria. Silver ions themselves attract bacteria and microorganisms, pass through the cell membrane and inhibit the cleavage activity of the bacteria. Disrupts DNA

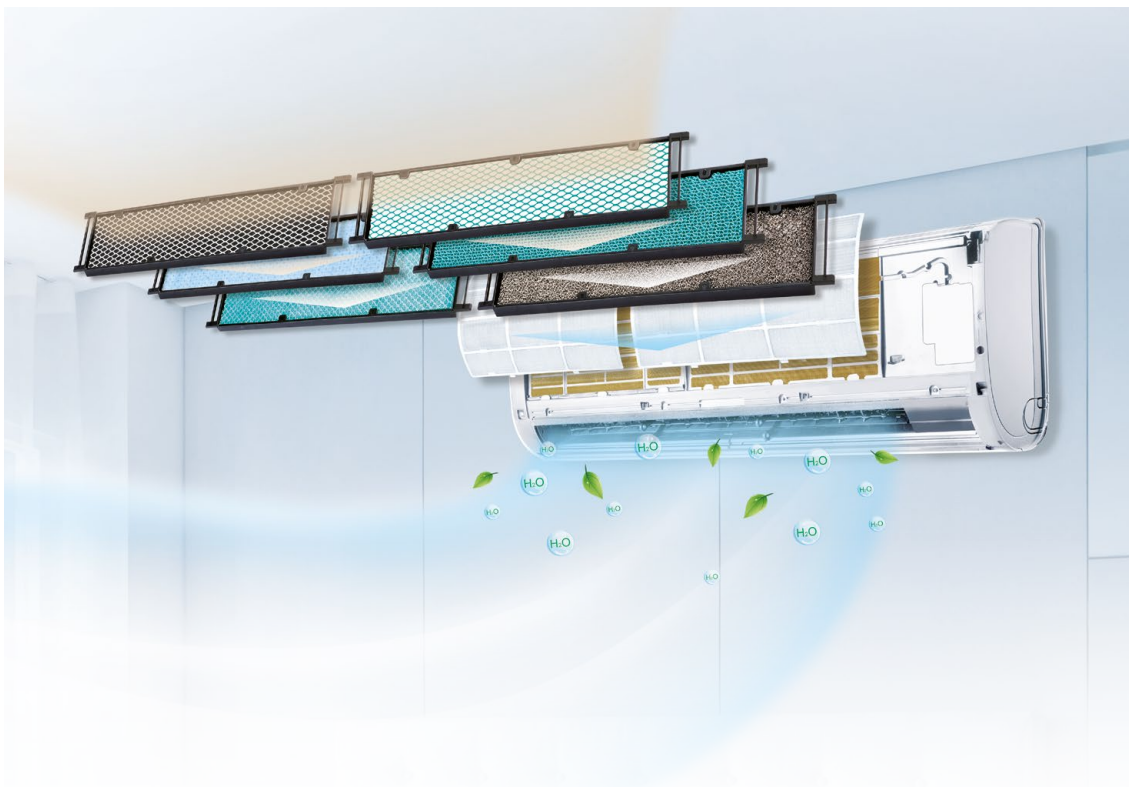
structure of bacteria and microorganisms, causing a loss of reproductive ability of bacteria.

BIOLOGICAL ANTI-BACTERIA FILTER SAF-OPWB

This filter is made of a material with excellent capabilities of sterilizing and capture of dust. When air flows through the filter, dust and bacteria are retained on the filter surface, which is bio-bactericidal. In case of attachment of microbes, bio-bactericidal surface disrupts its metabolism and limits its growth. Efficiency of capturing of Escherichia coli and Staphylococcus aureus is higher than 95 %.

ANTI MITE FILTER SAF-OPWM

This type of filter helps you to remove almost 90 % of mites quickly. Anti Mite filter appreciate especially people with allergies and asthma.



NOTES AND EXPLANATIONS

Shortcuts used in tabs:

- ID/OD - indoor unit / outdoor unit
- A,W,C - average, warm, cold climate

Devices contain fluorinated greenhouse gases covered by the Kyoto Protocol.

GWP of used refrigerants:

- R410a (50 % HFC-32, 50 % HFC-125) = 2088
- R32 (100 % HFC-32) = 675
- R290 (100 % CH₃CH₂CH₃) = 3

Air conditioners data are based on following conditions:

Length of connection pipe: 5m.

Cooling:

indoor temperature 27 °C DB/19 °C WB

outdoor temperature 35 °C DB/24 °C WB.

Heating condition:

indoor temperature 20 °C DB/15 °C WB

outdoor temperature 7 °C DB/6 °C WB.

SEER/SCOP was calculated according to European standards contained in EN14825, based on part load classifying and testing conditions given by norm EN14511.

Dehumidifiers data comply with norm EN810.

Dehumidifying volume is measured according to EN60335-2-40, test conditions: DB 30 %, RH 80 %

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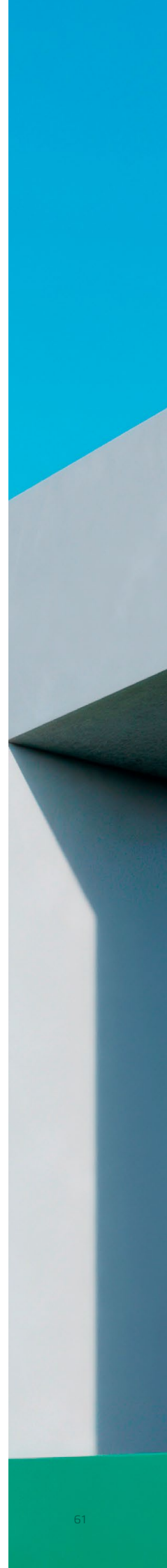
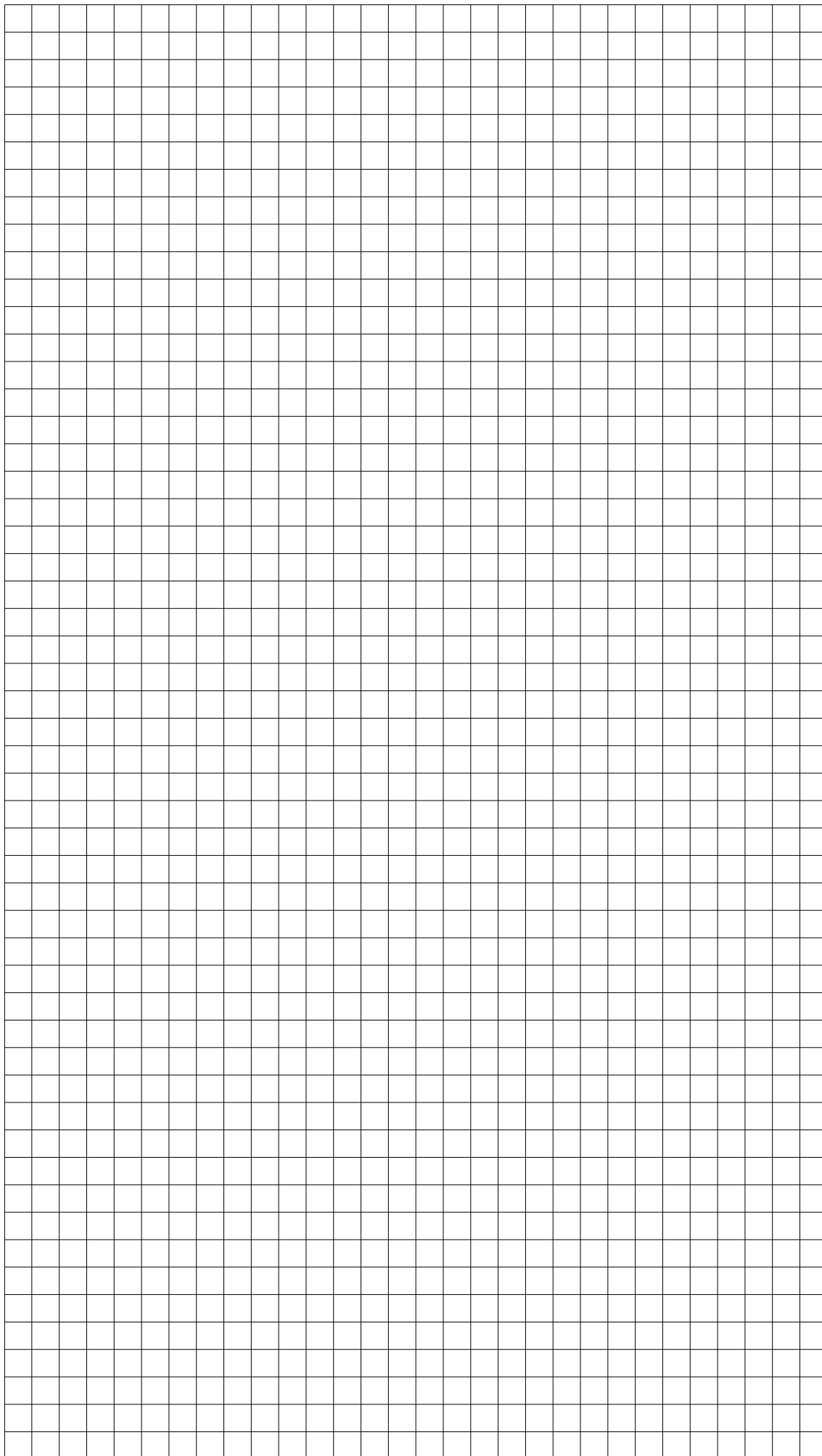
The noise levels mentioned in this catalogue are values measured under ideal conditions, in an anechoic chamber. These values can be influenced by local conditions (acoustical bouncing area, the equipment of the room, etc.).

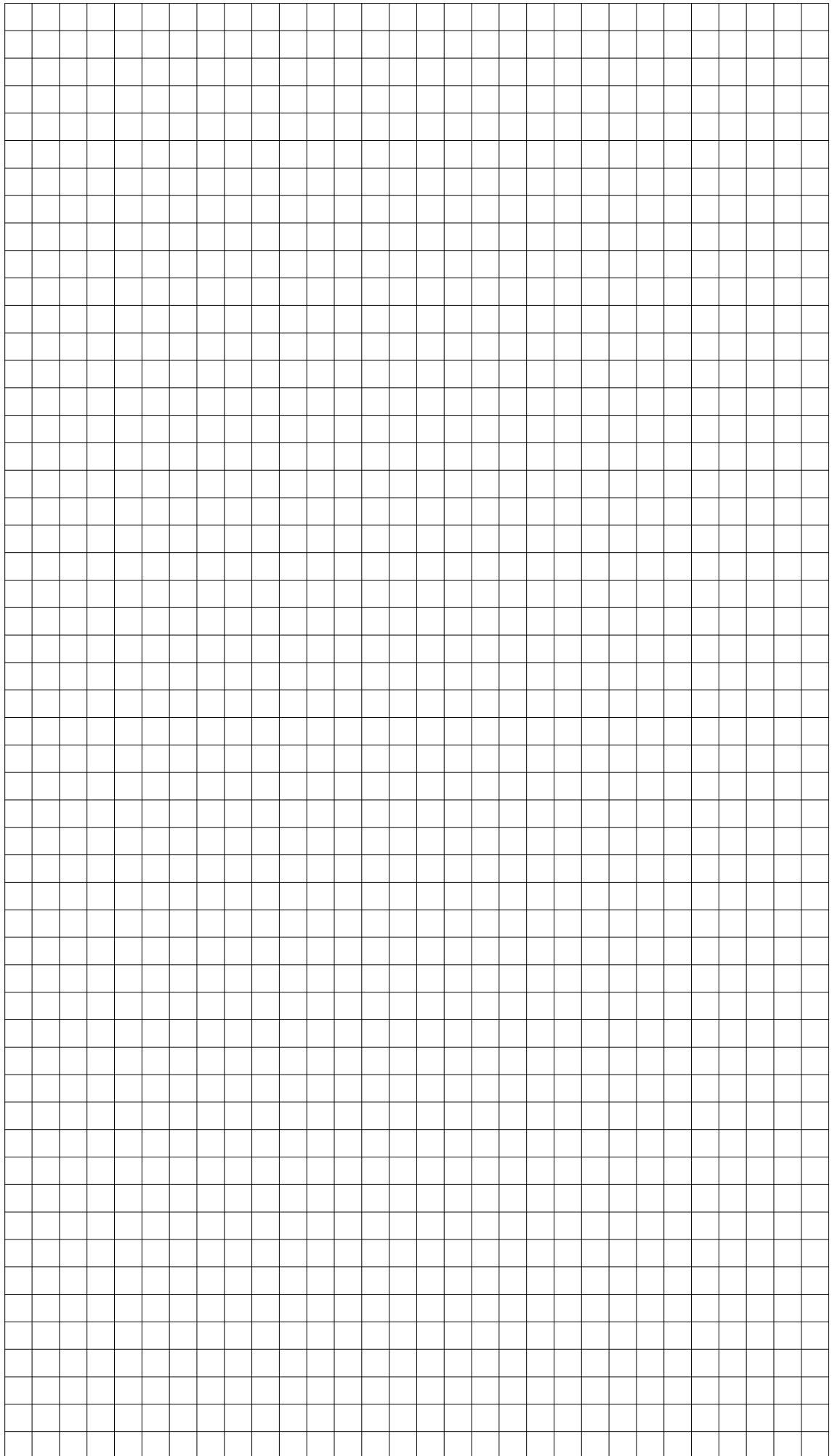
The pictures of units and accessories are illustrative only.

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice.

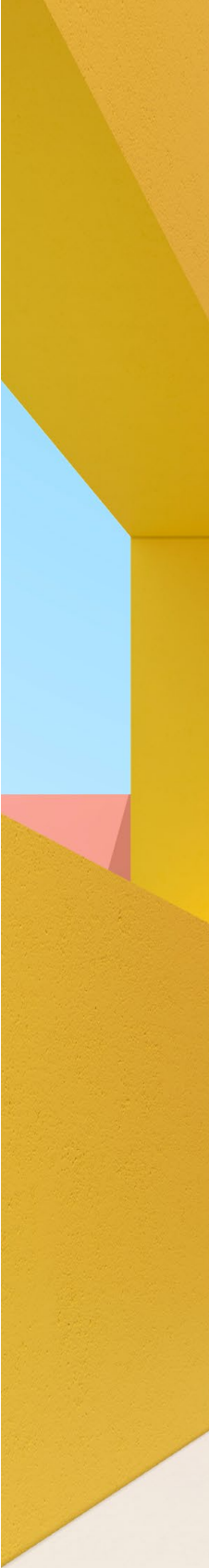
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