



sinclair®



**place
above**

RESIDENTIAL
LIGHT COMMERCIAL
AIR CONDITIONING
2026

 **sinclair**
AIR CONDITIONING

THE PLACE AT THE TOP



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.CZ

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.

With PLASMA TECHNOLOGY, the air is noticeably cleaner and fresher. SINCLAIR air conditioners not only cool or heat according to your requirements, but also increase the safety of the environment. Plasma technology cleans the air of harmful bacteria. Protect your family with this feature – you will reduce the risk of flu and other airborne diseases. Reducing allergens in purified air is beneficial for allergy sufferers. Plasma technology creates a natural bioclimate rich in oxygen ions and ensures a controlled amount of both positive and negative forms, which have beneficial effects on air quality.

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 93 %

* 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

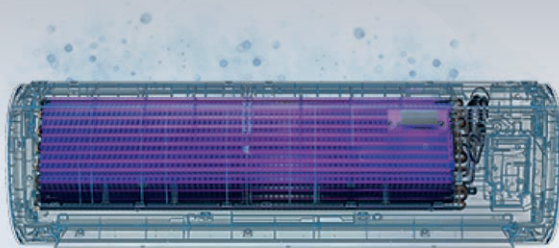
UV-C STERILIZATION

Exposure to UV-C light kills germs, viruses, simply microorganisms in general. Modern series Marvin and Galaxis are adopting this feature. 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.

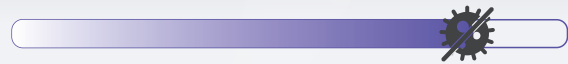
Sealed leakage prevention design: UVC lamp is placed at the position exposed to the evaporator directly to prevent the injury caused by the ultraviolet ray as well the aging of injection molded parts.

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.



AVERAGE DEATH RATE
UP TO

93,91%



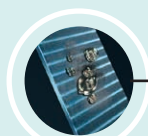
SAFE AND EFFICIENT UV LAMP

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.

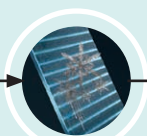
BEFORE CLEANING

AFTER CLEANING



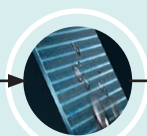
CONDENSATION

Condensate occurs



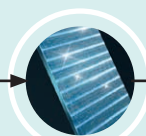
FROSTING

Become frosted



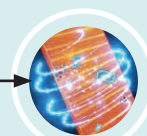
DEFROSTING

Defrost to remove dust



DRYING

Drain until the surface is dry



50~55 °C STERILIZATION

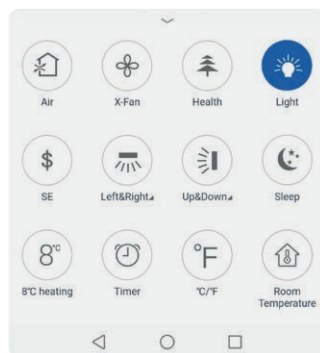
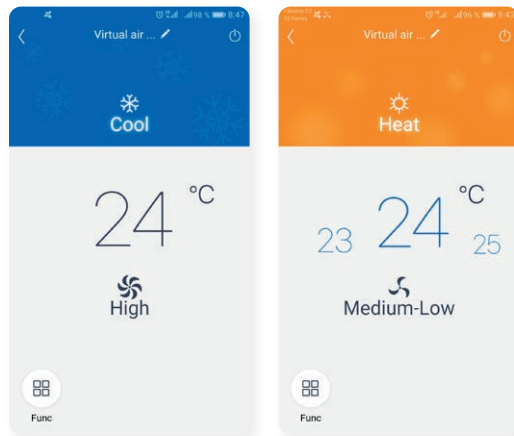
Evaporator temperature remains at 0-55 °C for 10 min

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

Modern times bring not only comfortable and efficient air conditioning solutions, but also their connection with other technologies for better control and monitoring. Modbus and Bacnet protocols play a key role here, enabling the integration of air conditioning systems with external devices. Thanks to them, air conditioning units can be monitored and controlled from a single location, optimizing energy consumption and increasing comfort. In addition, building managers can perform remote diagnostics and maintenance, which reduces operating costs and extends the life of the equipment.

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 – support for plug & play integration of SINCLAIR products into automated home and building control systems



**works with
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...

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.

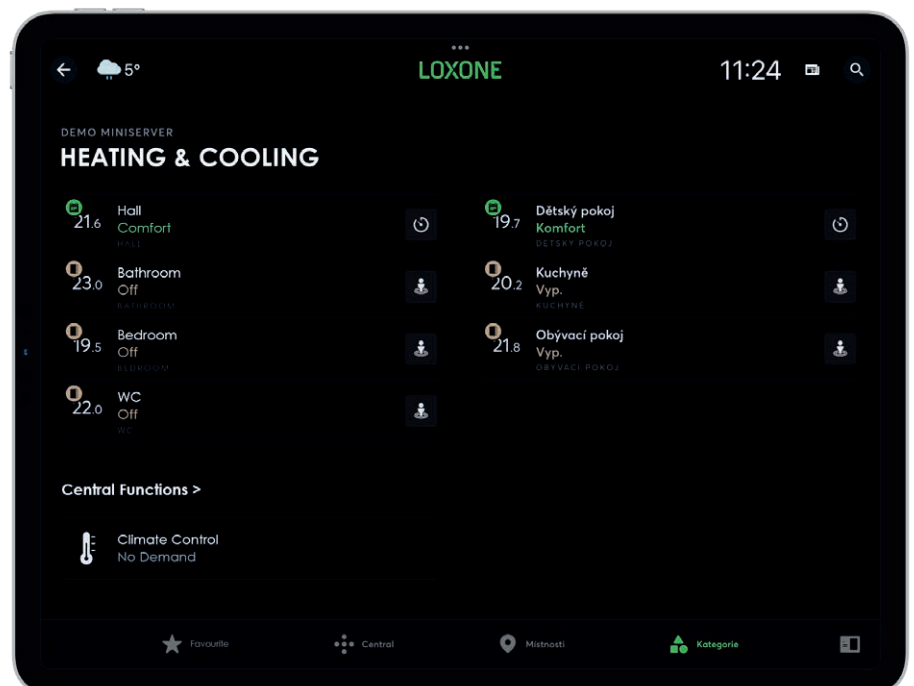
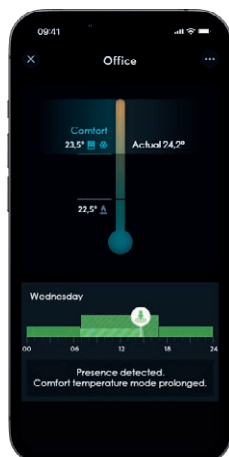
NOTIFICATIONS

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.

More at www.loxone.com

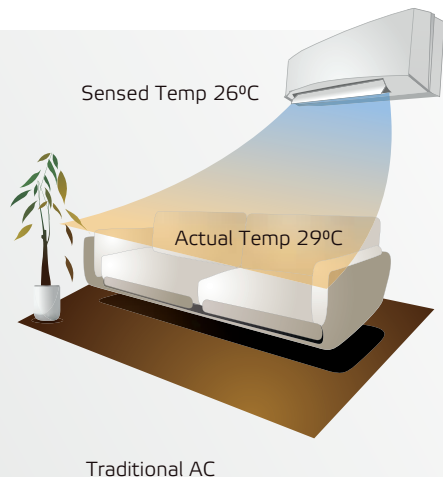
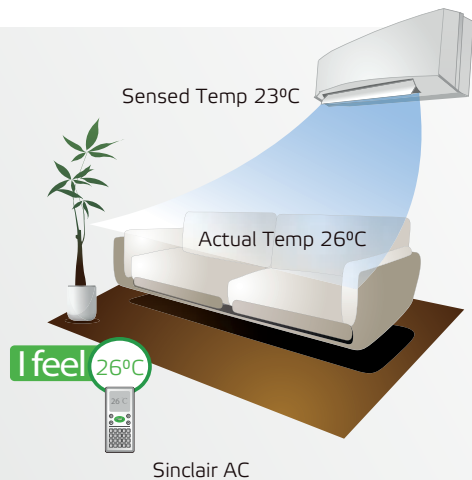




sinclair

"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
	Artificial Intelligence

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.

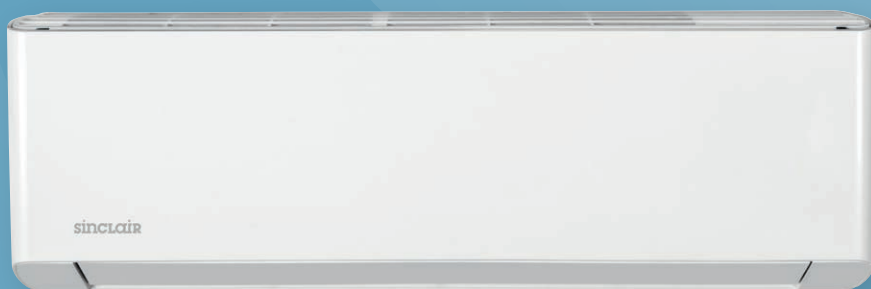


Thanks to the utilization of the environmentally friendly R32 refrigerant in all SINCLAIR residential air conditioners, the need for CO₂ emission quotas was reduced by 65 %. We are gradually expanding this ecological trend among other categories of our products.

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.





MAIN 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

spectrum plus series



WALL MOUNTED SPLIT AIR CONDITIONERS

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

PLASMA+TEC



ECOLOGICAL REFRIGERANT R32

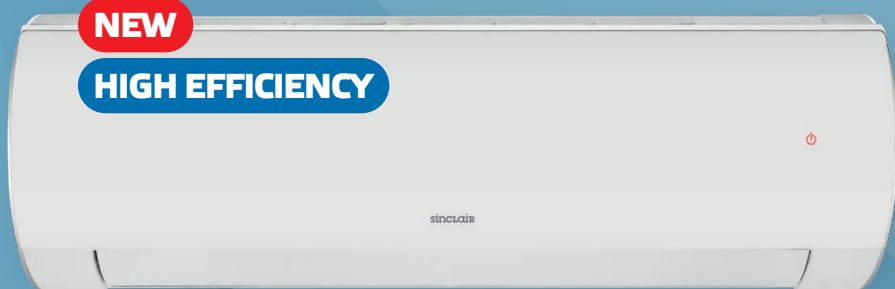
TECHNICAL PARAMETERS

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 1 m	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 × h × d)/Net weight	ID	mm/kg	996×301×225 / 13,0	996×301×225 / 13,5	1101×327×249 / 16,5
	OD	mm/kg	899×596×378 / 44,5	899×596×378 / 45,5	1003×790×427 / 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 1 m	ID	dB(A)	50 / 46 / 43 / 41 / 37 / 35 / 27		
	OD	dB(A)	58		
Dimension (w × h × d)/Net weight	ID	mm/kg	1101×327×249 / 16,5		
	OD	mm/kg	1003×790×427 / 65,0		
Operating temperature range (Cool/Heat)	°C		-18-52 / -30-24		

NEW

HIGH EFFICIENCY

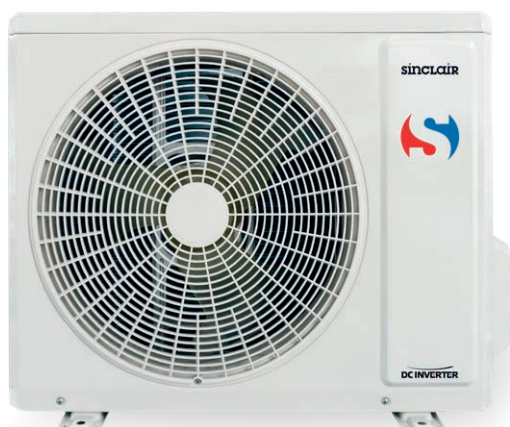


MAIN FEATURES

- **High efficiency**
 - Energy class A+++ / A+ +
 - SCOP 4,6 and SEER 8,5
- Quiet mode - just 18 dB(A) at SIH-09BITP and SIH-12BITP
- Hidden display
- Function "I FEEL"
- 8 °C heating
- 7 speeds of fan
- Horizontal and vertical guide louver swing
- Night mode - quiet operation of outdoor unit



**terrel
plus
series**



STANDARD ACCESSORIES

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

INDOOR UNITS
ARE COMPATIBLE WITH
MULTI VARIABLE SERIES

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

We are introducing the popular Terrel series in a new, improved version: Terrel Plus. The Plus variant offers better performance, particularly in terms of efficiency: SEER 8.5 and SCOP 4.6, and energy class A+++ / A++. Another significant improvement is the reduction in noise levels – the indoor units now operate at a sound pressure of just 18 dB(A).



ECOLOGICAL REFRIGERANT 

TECHNICAL PARAMETERS

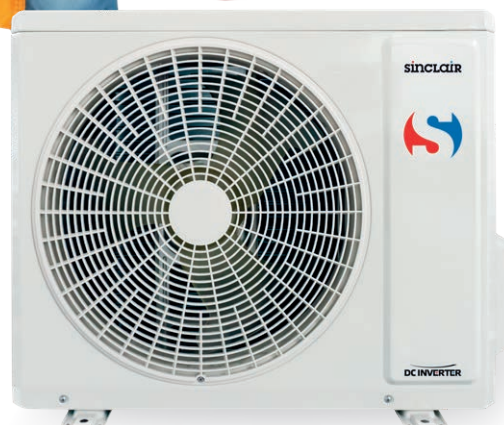
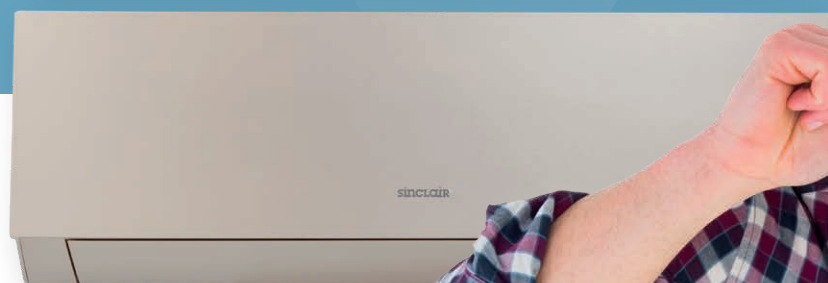
MODEL			SIH-09BITP + SOH-09BITP	SIH-12BITP + SOH-12BITP	SIH-18BITP + SOH-18BITP
Capacity cooling / heating	kW		2,7 / 3,0	3,5 / 3,8	5,3 / 5,6
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		8,5 / 4,6	8,5 / 4,8	8,5 / 4,6
Energy class cooling / heating (A, W, C)	-		A+++ / A++ / A+++ / A	A+++ / A++ / A+++ / A	A+++ / A++ / A+++ / A
Sound pressure level at 1 m	ID	dB(A)	39 / 34 / 37 / 31 / 23 / 26 / 22 / 18	43 / 37 / 39 / 33 / 29 / 31 / 26 / 18	44 / 37 / 42 / 38 / 33 / 37 / 31 / 22
	OD	dB(A)	51	52	58
Dimension (w × h × d)/Net weight	ID	mm/kg	889×294×212 / 10,0	889×294×212 / 10,0	1013×307×221 / 13,0
	OD	mm/kg	732×555×330 / 23,5	802×555×350 / 27,0	958×660×402 / 42,5
Operating temperature range (Cool/Heat)	°C		-15-50 / -25-30	-15-50 / -25-30	-15-50 / -25-30

MODEL			SIH-24BITP + SOH-24BITP		
Capacity cooling / heating	kW		7,1 / 7,8		
Power supply	Phase / Hz / V		1~ / 50 / 220-240		
SEER / SCOP	-		8,5 / 4,6		
Energy class cooling / heating (A, W, C)	-		A+++ / A++ / A+++ / A		
Sound pressure level at 1 m	ID	dB(A)	48 / 41 / 44 / 40 / 36 / 38 / 33 / 30		
	OD	dB(A)	60		
Dimension (w × h × d)/Net weight	ID	mm/kg	1122×329×247 / 16,0		
	OD	mm/kg	958×660×402 / 42,5		
Operating temperature range (Cool/Heat)	°C		-15-50 / -25-30		

NEW

MAIN 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
- Horizontal and vertical guide louver swing
- Quiet mode - just 19 dB(A) at SIH-07BIM, 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



**marvin
series**

WALL MOUNTED SPLIT AIR CONDITIONERS

STANDARD ACCESSORIES

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

INDOOR UNITS
ARE COMPATIBLE WITH
MULTI VARIABLE SERIES

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



ECOLOGICAL
REFRIGERANT R32

TECHNICAL PARAMETERS

NEW

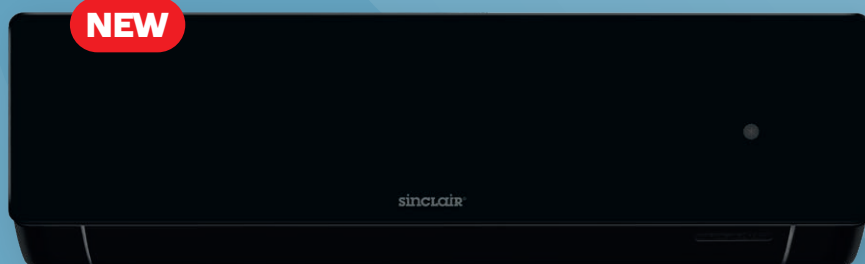
MODEL	SIH-07BIMW + SOH-07BIM		SIH-09BIMx + SOH-09BIM	SIH-12BIMx + SOH-12BIM
Capacity cooling / heating	kW		2,2 / 2,4	3,5 / 3,8
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		8,6 / 4,6	7,2 / 4,1
Energy class cooling / heating (A, W, C)	-		A++ / A+++ / A	A+++ / (A++, A+++ , A)
Sound pressure level at 1 m	ID	dB(A)	39 / 37 / 34 / 31 / 26 / 23 / 22 / 19	41 / 38 / 36 / 33 / 30 / 27 / 25 / 19
	OD	dB(A)	50	52
Dimension (w × h × d)/Net weight	ID	mm/kg	837×293×200 / 9,5	837×293×200 / 9,5
	OD	mm/kg	732×555×330 / 25,0	732×555×330 / 25,5
Operating temperature range (Cool/Heat)	°C		-15-50 / -25-30	-15-50 / -25-30

MODEL	SIH-18BIMx + SOH-18BIM		SIH-24BIMx + SOH-24BIM	
Capacity cooling / heating	kW		5,3 / 5,4	7,1 / 7,3
Power supply	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		7,3 / 4,2	7,0 / 4,3
Energy class cooling / heating (A, W, C)	-		A++ / (A+, A+++ , A)	A++ / (A+, A+++ , A)
Sound pressure level at 1 m	ID	dB(A)	45 / 42 / 40 / 37 / 34 / 29 / 26 / 23	48 / 44 / 41 / 40 / 38 / 36 / 33 / 27
	OD	dB(A)	56	59
Dimension (w × h × d)/Net weight	ID	mm/kg	993×311×222 / 12,5	993×311×222 / 13,0
	OD	mm/kg	802×555×350 / 31,5	958×660×402 / 45,0
Operating temperature range (Cool/Heat)	°C		-15-50 / -25-30	-15-50 / -25-30

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

* - The type of remote controller may vary

NEW

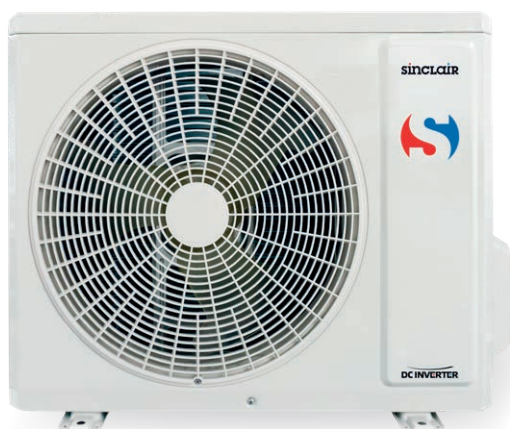


MAIN FEATURES

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



**breon
series**



STANDARD ACCESSORIES

- Filters - catechin SAF-OPWC4 and antibacterial SAF-OPWB4
- Cold plasma generator
- WiFi
- Dry door contact
- Remote controller
- Horizontal and vertical guide louver swing

INDOOR UNITS
ARE COMPATIBLE WITH
MULTI VARIABLE SERIES

OPTIONAL ACCESSORIES

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

PLASMA+TEC



ECOLOGICAL
REFRIGERANT R32

TECHNICAL PARAMETERS

MODEL			SIH-09BIBx + SOH-09BIB	SIH-12BIBx + SOH-12BIB	SIH-18BIBx + SOH-18BIB
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	7,2 / 4,0
Energy class cooling / heating (A, W, C)	-		A++ / A+ / A+++ / -	A++ / A+ / A+++ / -	A++ / A+ / A+++ / -
Sound pressure level at 1 m	ID	dB(A)	40 / 37 / 35 / 33 / 29 / 26 / 21	42 / 38 / 35 / 33 / 29 / 26 / 23	47 / 45 / 43 / 41 / 35 / 30 / 28
	OD	dB(A)	51	52	55
Dimension (w × h × d) / Net weight	ID	mm/kg	815×260×190 / 8,0	874×276×206 / 9,0	943×333×246 / 13,0
	OD	mm/kg	732×555×330 / 24,5	732×555×330 / 25,0	732×555×330 / 27,5
Operating temperature range (Cool/Heat)	°C		-15~43 / -15~24	-15~43 / -15~24	-15~43 / -15~24

MODEL			SIH-24BIBx + SOH-24BIB		
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 1 m	ID	dB(A)	50 / 46 / 44 / 42 / 40 / 36 / 32		
	OD	dB(A)	58		
Dimension (w × h × d) / Net weight	ID	mm/kg	943×333×246 / 13,5		
	OD	mm/kg	873×555×376 / 36,5		
Operating temperature range (Cool/Heat)	°C		-15~43 / -15~24		

x - available in different colours: SIH-xxBIBW - white, SIH-xxBIBB - black

console series

MAIN FEATURES

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



CONSOLE SPLIT AIR CONDITIONERS

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

PLASMA+TEC



ECOLOGICAL REFRIGERANT R32

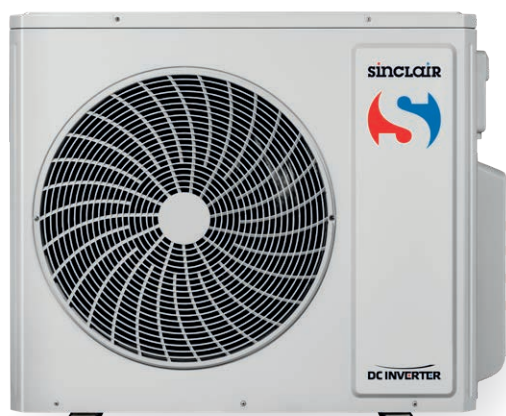
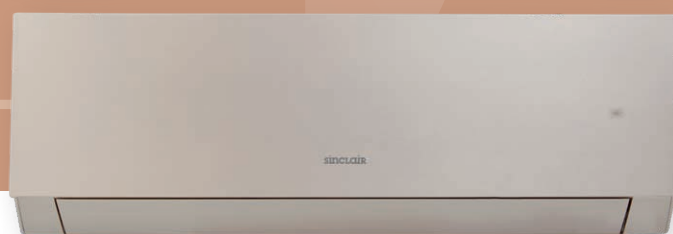
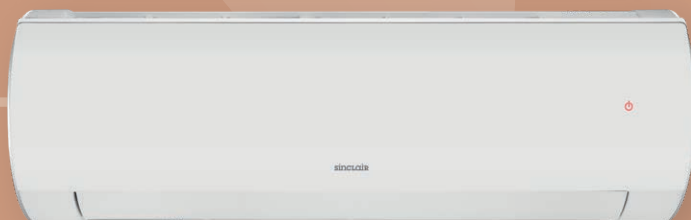
TECHNICAL PARAMETERS

MODEL			SIP + SOP-09BI	SIP + SOP-12BI	SIP + SOP-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	-		7,8 / 4,2	7,2 / 4,1	7,2 / 4,0
Energy class cooling / heating (A, W, C)	-		A++ / (A+, A+++, -)	A++ / (A+, A+++, -)	A++ / (A+, A+++, -)
Sound pressure level at 1 m	ID	dB(A)	39 / 36 / 34 / 32 / 29 / 26 / 23	44 / 40 / 38 / 36 / 33 / 29 / 25	49 / 47 / 45 / 42 / 40 / 37 / 32
	OD	dB(A)	51	53	59
Dimension (w × h × d)/Net weight	ID	mm/kg	700×600×215 / 15,5	700×600×215 / 16,0	700×600×215 / 16,0
	OD	mm/kg	732×555×330 / 24,0	802×555×350 / 27,5	958×660×402 / 41,0
Operating temperature range (Cool/Heat)	°C		-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24

NEW

HIGH EFFICIENCY

multi variable super series



outdoor units

MAIN FEATURES

- **High efficiency:**
 - **SCOP 4,6**
 - **Energy class A+++/A++**
- Wide operating temperature range - heating up to -30 °C
- Lightweight, compact design

STANDARD ACCESSORIES

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

The new Multi Variable Super series features three outdoor units with capacity of 4.1, 5.3, and 7.1 kW, which are characterized by high efficiency. In selected combinations with modern Marvin and Terrel Plus indoor units, MVS systems achieve SEER 8.6 and SCOP 4.6.

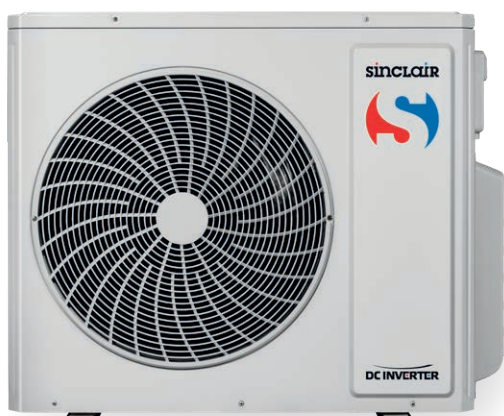
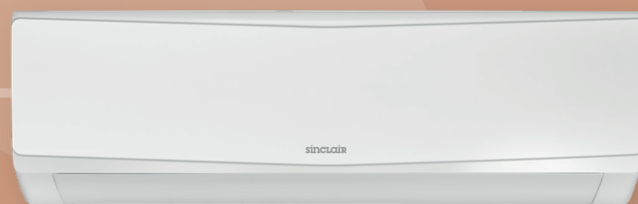


TECHNICAL PARAMETERS

MODEL		MVS-E14BI	MVS-E18BI	MVS-E24BI
Number of connectable indoor units		1-2	1-3	1-3
Capacity cooling / heating	kW	4,1 / 4,4	5,3 / 5,6	7,1 / 7,1
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	8,6 / 4,6	8,8 / 4,6	8,6 / 4,6
Energy class cooling/ heating (Average)	-	A+++ / A++	A+++ / A++	A+++ / A++
Sound pressure level at 1 m	dB(A)	48	48	50
Dimension (w × h × d)/Net weight	mm/kg	964×660×402 / 46,0	964×660×402 / 46,5	964×660×402 / 48,0
Operating temperature range (Cool/Heat)	°C	-15-48 / -30-24	-15-48 / -30-24	-15-48 / -30-24

NEW

multi variable DHW series



MV-200WT



SWC-06WT

outdoor units

MAIN FEATURES

- Energy class A+
- Autorestart function
- Lightweight, compact design
- High efficiency

STANDARD ACCESSORIES

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

water tank

MAIN FEATURES

- DHW tank for Multi Variable systems with heat recovery
- Compatible with MV-E36BIDHW or MV-E42BIDHW units
- High-quality enamelled interior surface of the tank
- Usable volume: 185 litres
- Bivalent electric heater with capacity of 1500 W
- Refrigerant enclosed in the tank's intermediate wall – no risk of contact with water
- Standard heating to 55 °C
- "Boost" heating feature using an electric heater to increase DHW temperature up to 80 °C
- User friendly SWC-06WT cable controller enables setting modes and time schedules. It also includes a built-in Wi-Fi module for remote DHW management. Controller not included in the package.
- The outdoor unit (MV-E36BIDHW or MV-E42BIDHW) is a separate product.

The Multi Variable DHW system is a groundbreaking technology that provides domestic hot water during the summer season at virtually no cost. These units combine the principles of conventional air conditioning and heat pumps in one. During cooling mode operation, they can use waste energy to heat domestic hot water. The systems can also operate in heating mode, DHW heating only mode, or combined mode. This system is available in two capacities – 10.6 and 12.1 kW. And with one size of water tank - 185 l.



ECOLOGICAL REFRIGERANT  R32

TECHNICAL PARAMETERS

MODEL - OUTDOOR UNITS		MV-E36BIDHW	MV-E42BIDHW
Number of connectable indoor units		1-3	1-4
Capacity cooling / heating	kW	10,6 / 12,0	12,1 / 13,0
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240
SCOP DHW (average/warmer/colder)	-	2,74 / 3,43 / 2,00	2,74 / 3,43 / 2,00
Energy class cooling/ heating (Average)	-	A+	A+
Sound pressure level at 1 m	dB(A)	63	63
Dimension (w × h × d)/Net weight	mm/kg	1020×826×427 / 72,5	1020×826×427 / 73,5
Operating temperature range (Cool/Heat)	°C	-15~43 / -22~24	-15~43 / -22~24

MODEL - WATER TANK		MV-200WT
Water Tank Capacity	l	185
Capacity Heating	Nominal kW	4,2
Power Supply	Hz / V	1~ / 50 / 220-240
SEER	-	7,2
SCOP	-	4,2
Refrigerant	Type	R32
Dimension of OD (w × h × d)	mm	462×2000×462
Weight of OD	kg	72,5 / 83,0
Operating temperature range (Heating)	°C	-22~43

multi variable series



outdoor units

MAIN FEATURES

- Energy class A++/A+
- Seer up to 7,8
- Autorestart feature
- Lightweight, compact design

STANDARD ACCESSORIES

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



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 1 m	dB(A)	52	54	58
Dimension (w × h × 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 1 m	dB(A)	58	58	60
Dimension (w × h × 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 1 m	dB(A)	60		
Dimension (w × h × d)/Net weight	mm/kg	1020×826×427 / 73,0		
Operating temperature range (Cool/Heat)	°C	-15~43 / -22~24		

INDOOR UNITS MULTI VARIABLE



marvin series

NEW

MODEL		SIH-07BIMW	SIH-09BIMx	SIH-12BIMx
Capacity cooling / heating	kW	2,2 / 2,4	2,7 / 3,0	3,5 / 3,8
Power supply	Hz / V	outdoor unit	outdoor unit	outdoor unit
Sound pressure level at 1 m	dB(A)	39 / 37 / 34 / 31 / 26 / 23 / 22 / 19	38 / 37 / 34 / 31 / 26 / 23 / 22 / 19	41 / 38 / 36 / 33 / 30 / 27 / 25 / 19
Dimension (w x h x d)/Net weight	mm/kg	837x293x200 / 9,5	837x293x200 / 9,5	837x293x200 / 9,5

MODEL		SIH-18BIMx	SIH-24BIMx	
Capacity cooling / heating	kW	5,3 / 5,4	7,1 / 7,3	
Power supply	Hz / V	outdoor unit	outdoor unit	
Sound pressure level at 1 m	dB(A)	45 / 42 / 40 / 37 / 34 / 29 / 26 / 23	48 / 44 / 41 / 40 / 38 / 36 / 33 / 27	
Dimension (w x h x d)/Net weight	mm/kg	993x311x222 / 12,5	993x311x222 / 13,0	

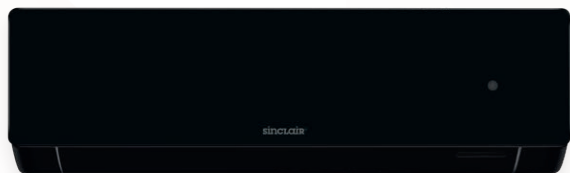
x - available in different colours: SIH-xxBIMW - white, SIH-xxBIMB - anthracite, SIH-xxBIMN - navy, SIH-xxBIMS - silver, SIH-xxBIMC - champagne



terrel plus series

MODEL		SIH-09BITP	SIH-12BITP	SIH-18BITP
Capacity cooling / heating	kW	2,7 / 3,0	3,5 / 3,8	5,3 / 5,6
Power supply	Hz / V	outdoor unit	outdoor unit	outdoor unit
Sound pressure level at 1 m	dB(A)	39 / 34 / 37 / 31 / 23 / 26 / 22 / 18	43 / 37 / 39 / 33 / 29 / 31 / 26 / 18	44 / 37 / 42 / 38 / 33 / 37 / 31 / 22
Dimension (w x h x d)/Net weight	mm/kg	889x294x212 / 10,0	889x294x212 / 10,0	1013x307x221 / 13,0

MODEL		SIH-24BITP		
Capacity cooling / heating	kW	7,1 / 7,8		
Power supply	Hz / V	outdoor unit		
Sound pressure level at 1 m	dB(A)	48 / 41 / 44 / 40 / 36 / 38 / 33 / 30		
Dimension (w x h x d)/Net weight	mm/kg	1122x329x247 / 16,0		



NEW breon series

MODEL		SIH-07BIBx	SIH-09BIBx	SIH-12BIBx
Capacity cooling / heating	kW	2,2 / 2,4	2,7 / 2,8	3,2 / 3,4
Power supply	Hz / V	outdoor unit	outdoor unit	outdoor unit
Sound pressure level at 1 m	dB(A)	39 / 36 / 34 / 33 / 29 / 25 / 22	40 / 37 / 35 / 33 / 29 / 26 / 21	42 / 38 / 35 / 33 / 29 / 26 / 23
Dimension (w x h x d)/Net weight	mm/kg	740x260x190 / 7,0	815x260x190 / 8,0	874x276x206 / 9,0

MODEL		SIH-18BIBx	SIH-24BIBx	
Capacity cooling / heating	kW	4,6 / 5,2	6,2 / 6,5	
Power supply	Hz / V	outdoor unit	outdoor unit	
Sound pressure level at 1 m	dB(A)	47 / 45 / 43 / 41 / 35 / 30 / 28	50 / 46 / 44 / 42 / 40 / 36 / 32	
Dimension (w x h x d)/Net weight	mm/kg	943x333x246 / 13,0	943x333x246 / 13,5	

x - available in different colours: SIH-xxBIMW - white, SIH-xxBIMB - black



console units

MAIN 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		SIP-09BI	SIP-12BI	SIP-18BI
Capacity cooling / heating	kW	2,7 / 2,9	3,5 / 3,8	5,2 / 5,3
Power supply	Hz / V	outdoor unit	outdoor unit	outdoor unit
Sound pressure level at 1 m	dB(A)	39 / 36 / 34 / 32 / 29 / 26 / 23	44 / 40 / 38 / 36 / 33 / 29 / 25	49 / 47 / 45 / 42 / 40 / 37 / 32
Dimension (w × h × d)/Net weight	mm/kg	700×600×215 / 15,5	700×600×215 / 16,0	700×600×215 / 16,0

floor ceiling units

MAIN 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 unit	outdoor unit	outdoor unit
Sound pressure level at 1 m	dB(A)	40 / 36 / 34 / 32 / 30 / 26 / 23	42 / 40 / 38 / 36 / 34 / 31 / 25	38 / 35 / 30 / 26
Dimension (w × h × 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 unit		
Sound pressure level at 1 m	dB(A)	38 / 35 / 30 / 26		
Dimension (w × h × d)/Net weight	mm/kg	1200×665×235 / 33,0		

8-way cassette units

MAIN 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



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 unit	outdoor unit	outdoor unit
Sound pressure level at 1 m	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 unit		
Sound pressure level at 1 m	dB(A)	46 / 42 / 39 / 37		
Dimension (w x h x d)/Net weight	mm/kg	840x840x240 / 29,0		



duct units

MAIN 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



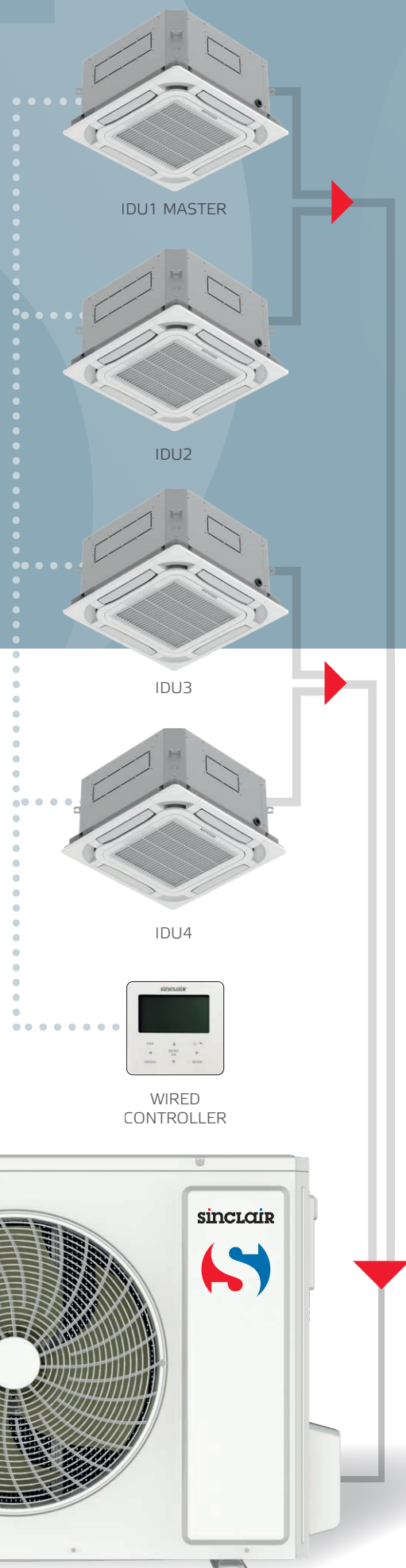
MODEL		MV-D09BI2	MV-D12BI2	MV-D18BI2
Capacity cooling / heating	kW	2,7 / 2,8	3,5 / 4,0	5,0 / 5,5
Power supply	Hz / V	outdoor unit	outdoor unit	outdoor unit
Sound pressure level at 1 m	dB(A)	32 / 28 / 25 / 22	36 / 34 / 31 / 27	36 / 31 / 28 / 25
External static pressure	Pa	0-10	0-10	0-10
Dimension (w x 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 unit	outdoor unit	outdoor unit
Sound pressure level at 1 m	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 unit	outdoor unit	
Sound pressure level at 1 m	dB(A)	41 / 39 / 38 / 36 / 34	45 / 40 / 40 / 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	



uni split 2 series



outdoor units

MAIN FEATURES

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

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.

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.



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 1 m	dB(A)	48	52	55
Dimension (w × h × d)/Net weight	mm/kg	675×553×285 / 24,5	745×555×300 / 30,5	889×660×340 / 41,5
Operating temperature range (Cool/Heat)	°C	-20~52 / -20~24	-20~52 / -20~24	-20~52 / -20~24

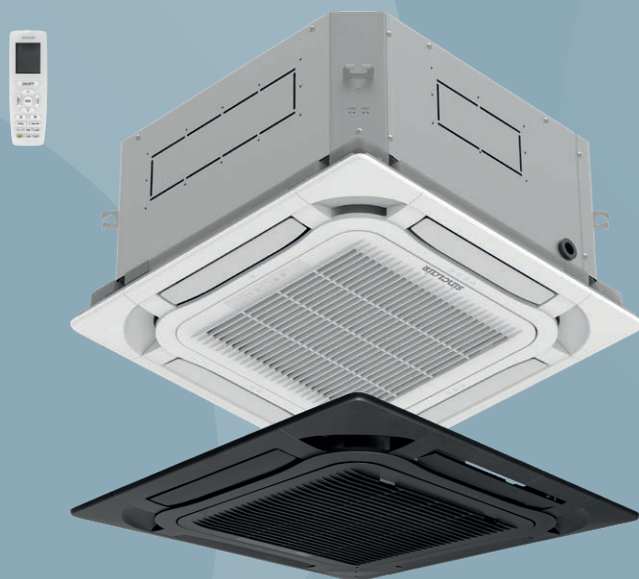
MODEL		ASGE-30BI2	ASGE-36BI2	ASGE-36BI2-3
Capacity cooling / heating	kW	8,5 / 8,8	10,5 / 11,5	10,5 / 11,5
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	3~ / 50 / 380-415
Sound pressure level at 1 m	dB(A)	57	57	57
Dimension (w × h × d)/Net weight	mm/kg	889×660×340 / 46,0	940×820×530 / 65,0	940×820×370 / 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 1 m	dB(A)	58	59	60
Dimension (w × h × d)/Net weight	mm/kg	940×820×370 / 76,0	940×820×370 / 81,0	990×960×370 / 94,0
Operating temperature range (Cool/Heat)	°C	-20~52 / -20~24	-20~52 / -20~24	-20~52 / -20~24

4-way cassette units

MAIN 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 in standard
- Autorestart function
- Water pump
- Dry door contact
- Fresh air supply
- Remote controller
- Function "I FEEL"
- 8 °C heating
- Low temperature dehumidifying (12 °C indoor temperature)
- MODBUS and BACNET control possibility via optional accessories



BLACK DECORATIVE
PANEL AS OPTIONAL
ACCESSORIES



ECOLOGICAL
REFRIGERANT **R32**

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 unit	outdoor unit	outdoor unit
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 1 m	dB(A)	36 / 35 / 33 / 29	43 / 41 / 39 / 35	39 / 38 / 36 / 34
Dimension (w × h × 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

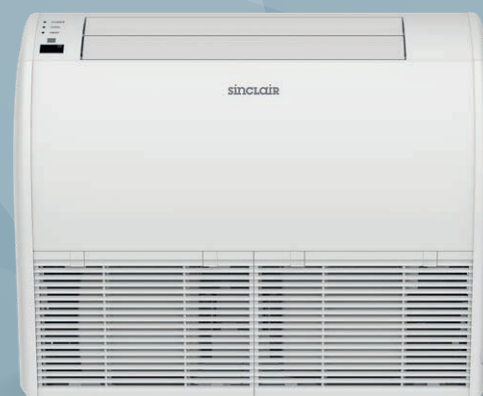
MODEL		ASC-30BI2	ASC-36BI2	ASC-42BI2
Capacity cooling / heating	kW	8,5 / 8,8	10,5 / 11,5	12,1 / 13,5
Power supply	Phase / Hz / V	outdoor unit	outdoor unit	outdoor unit
SEER / SCOP	-	6,9 / 4,3	6,6 / 4,4	6,1 / 4,1
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1 m	dB(A)	47 / 46 / 42 / 38	43 / 41 / 39 / 38	48 / 46 / 43 / 39
Dimension (w × h × 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 unit	outdoor unit	
SEER / SCOP	-	6,3 / 4,0	6,1 / 4,0	
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+	
Sound pressure level at 1 m	dB(A)	50 / 48 / 45 / 41	53 / 50 / 48 / 44	
Dimension (w × h × 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

MAIN FEATURES

- Autorestart function
- Dry door contact
- Remote controller
- Function "I FEEL"
- 8 °C heating
- Low 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 unit	outdoor unit	outdoor unit
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 1 m	ID dB(A)	35 / 34 / 31 / 28	41 / 40 / 38 / 36	41 / 39 / 37 / 35
Dimension (w × h × 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

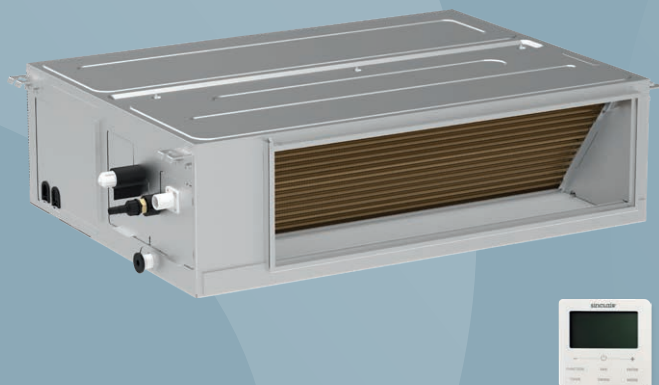
MODEL		ASF-30BI2	ASF-36BI2	ASF-42BI2
Capacity cooling / heating	kW	8,5 / 8,8	10,0 / 11,5	12,1 / 13,5
Power supply	Phase / Hz / V	outdoor unit	outdoor unit	outdoor unit
SEER / SCOP	-	6,8 / 4,5	6,3 / 4,2	6,3 / 4,0
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1 m	ID dB(A)	46 / 45 / 43 / 39	48 / 46 / 45 / 43	45 / 43 / 40 / 38
Dimension (w × h × 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 unit	outdoor unit	
SEER / SCOP	-	6,3 / 4,0	6,1 / 4,0	
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+	
Sound pressure level at 1 m	ID dB(A)	51 / 48 / 45 / 43	54 / 51 / 48 / 44	
Dimension (w × h × 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

MAIN FEATURES

- Autorestart function
- Dry door contact
- Water Pump
- Wired controller SWC-05 in standard
- Function "I FEEL"
- 8 °C heating
- Low 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 unit	outdoor unit	outdoor unit
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 1 m	ID	dB(A)	35 / 33 / 32 / 30	36 / 35 / 33 / 31	37 / 35 / 33 / 31
Dimension (w × h × 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 unit	outdoor unit	outdoor unit
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 1 m	ID	dB(A)	43 / 41 / 39 / 37	39 / 38 / 37 / 36	43 / 42 / 41 / 40
Dimension (w × h × 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 unit	outdoor unit	
SEER / SCOP	-		6,1 / 4,0	6,1 / 4,0	
Energy class cooling/ heating (Average)	-		A++ / A+	A++ / A+	
Sound pressure level at 1 m	ID	dB(A)	43 / 42 / 40 / 38	46 / 44 / 42 / 40	
Dimension (w × h × 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 modules

SCMI-01.5C

SCMI-01.5CW **NEW**

MAIN 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
- MODBUS protocol
- DIN rail compatible – 4M wide, installation in power distribution unit



New version of the SCMI-01.5CW module equipped with Wi-Fi function. Easily connect the SCMI to your local Wi-Fi network and then monitor and control the system from anywhere. Online recording of operating data for one month. All other functions and features of the SCMI-01.5C remain unchanged.



TECHNICAL PARAMETERS

MODEL		SCMI-01.5C / SCMI-01.5CW
Power supply	V/Hz	230 / 50 ±10%
Max. power input	VA	15
Dimension (w × h × d)	mm	90 × 71 × 58
Package dimension (w × h × d)	mm	120 × 100 × 80
Wiegth 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; β=3435)
Optional accessories		Pressure sensor Alco Controls PT5-18M

tower series



SPLIT AIR CONDITIONERS

MAIN FEATURES

- Energy class A++/A+
- Designed with an emphasis on aesthetics
- Usable for larger areas such as offices, meeting rooms, restaurants, lobby halls etc.
- Horizontal and vertical guide louver swing
- WiFi
- Controlled by built-in panel or remote controller (as standard accessory)



WIFI



ECOLOGICAL REFRIGERANT R32

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 1 m	ID	dB(A)	45 / 41 / 39 / 35	53 / 51 / 50 / 48	
	OD	dB(A)	61	63	
Dimension (w × h × 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	

boat series



MONOBLOCK AIR CONDITIONERS

MAIN 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



WIRED AND REMOTE
CONTROLLER AS STANDARD



R410A
REFRIGERANT

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 1 m	ID	dB(A)	58	58	58
Dimension (w × h × 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 1 m	ID	dB(A)	62	60	
Dimension (w × h × 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	

camper trailer series



VEHICLE AIR CONDITIONER

MAIN FEATURES

- Operating temperature -5~46 °C
- For roofs with a thickness of 30-80 mm
- Power supply 220-240 V/50 Hz/1 Ph
- 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



NOW WITH INVERTER TECHNOLOGY!
INDOOR PANEL ULTRASLIM
AND INNOVATIVE DESIGN



ECOLOGICAL
REFRIGERANT  **R32**

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 1 m	ID	dB(A)	53 / 49 / 42	54 / 49 / 43	
	OD	dB(A)	54	54	
Dimension (w × h × 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	

local air conditioners

MAIN FEATURES

- Energy class A/A++
- Auto-protection function
- WiFi (except APF-12P)
- Independent dehumidifying function
- Exchangeable filter
- 24-hour timer
- Environmentally friendly
- 2-year warranty
- Remote controller

STANDARD ACCESSORIES FOR AMC-11/14PW

AMC-WINK window kit



AMC-11PW
AMC-14PW



APF-12P



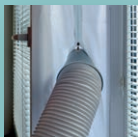
OPTIONAL ACCESSORIES FOR AMC-11/14PW

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



Enables to place the air conditioners outside the room.



R290
NATURAL
REFRIGERANT

TECHNICAL PARAMETERS

NEW

MODEL			AMC-11PW	AMC-14PW	APF-12P
Capacity cooling / heating	kW		3,0 / 3,0	4,0 / 4,0	3,5 / -
Power supply	Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
EER / COP	-		2,6 / 3,1	2,6 / 3,1	2,6 / -
Energy class cooling/ heating	-		A / A++	A / A++	A / -
Sound pressure level at 1 m	ID	dB(A)	56	56	51 / 52 / 53
Dimension (w × h × d)/Net weight	ID	mm/kg	300×760×532 / 28,5	300×760×532 / 30,6	410×695×300 / 29,0
Operating temperature range (Cool/Heat)	°C		17-32 / 7-25	17-32 / 7-25	17-35 / -

dehumidifiers



CFO-18P



CFO-20P
CFO-40P

dehumidifiers

MAIN 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



ELEGANTLY HIDDEN TRAY
FOR CONDENSATE WATER

R290
NATURAL
REFRIGERANT



TECHNICAL PARAMETERS

MODEL - DEHUMIDIFIERS		CFD-18P	CFD-20P	CFD-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 1 m	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 × h × 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

A photograph of two men in business suits walking on a light-colored tiled floor. The man in the foreground is wearing a dark blue suit and a patterned tie, looking down. The man in the background is wearing a grey suit and a purple tie, carrying a blue folder. The text 'accessories for Sinclair air conditioning systems' is overlaid in white on a red background.

**accessories
for Sinclair
air conditioning
systems**



wired controllers

SWC-02C

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

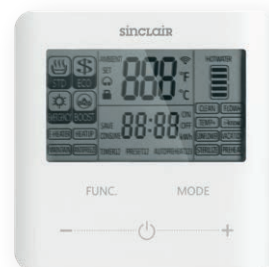


SWC-06WT

For the MV-200WT water tank. This controller is connected to connector of MV-ExxBIDHW outdoor unit and is used to control DHW heating.

- Status and fault display
 - Daily and weekly timer
 - WiFi module inside
 - Auto-restart function
 - Cable included

SWC-06WT



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



SWC-05 W

For units of UNI SPLIT 2 series

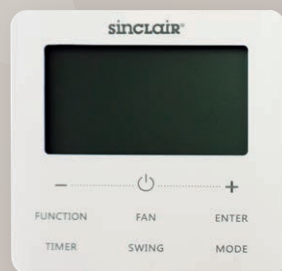
- WiFi module inside
- Address setting for central/long distance control
- Unit's status and error display
- Child lock

SWC-07

For units of UNI SPLIT 2 series

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

SWC-05W



SWC-07



control module SCMI-03S

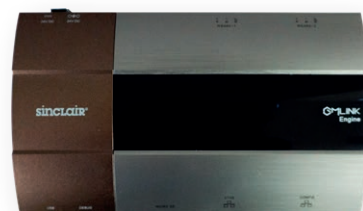
Control module for Air Conditioners in Server rooms.

- 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. The connection is done via SWC-02C, SWC-04C and SMG-01.



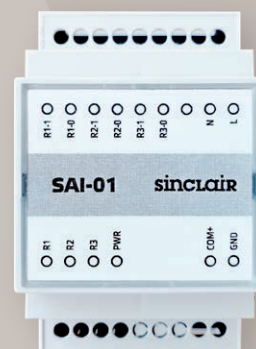
Modbus gateway SMG-01

- 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

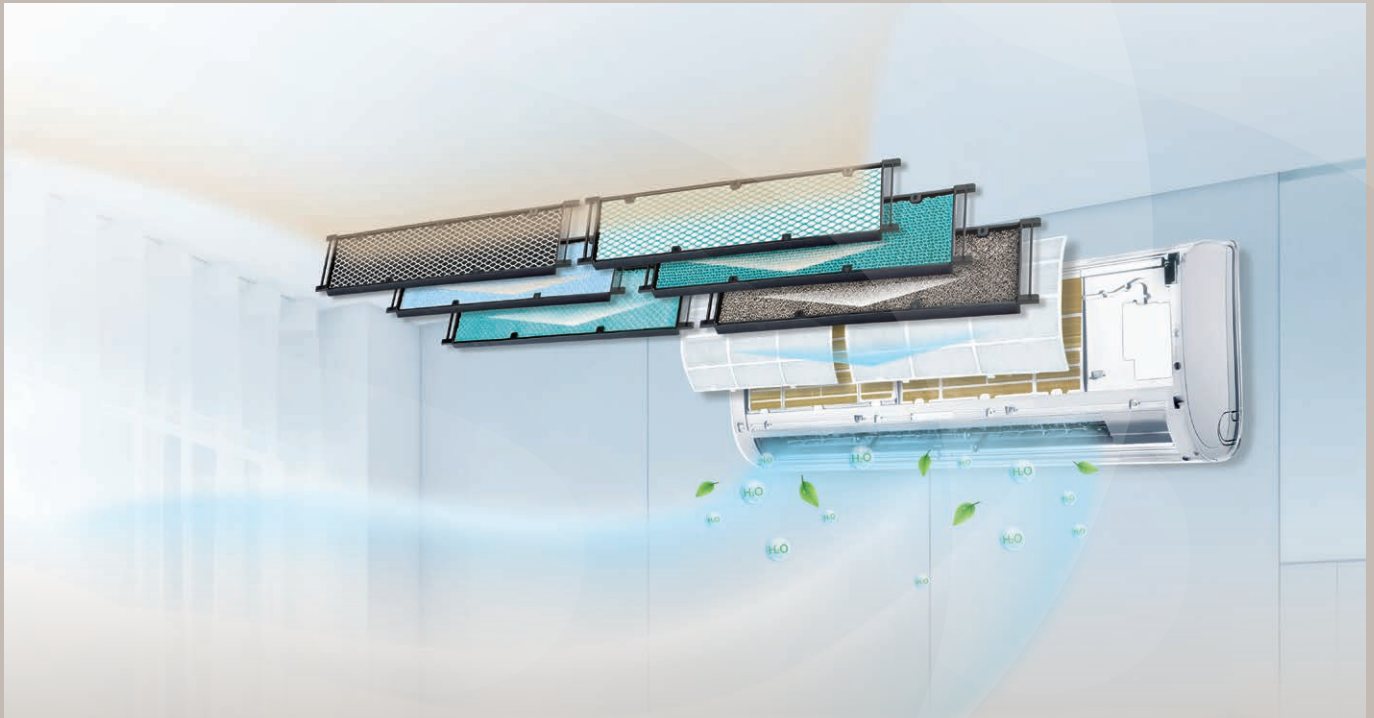
The SAI-01 is an external, separately powered module, which can be connected to the communication line of wall-mounted air conditioner to indicate the operational or malfunction status of the air conditioner. Only for split air conditioners SIH+SOH-xxBlx and ASP-xxBl.



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





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: 5 m.

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 %







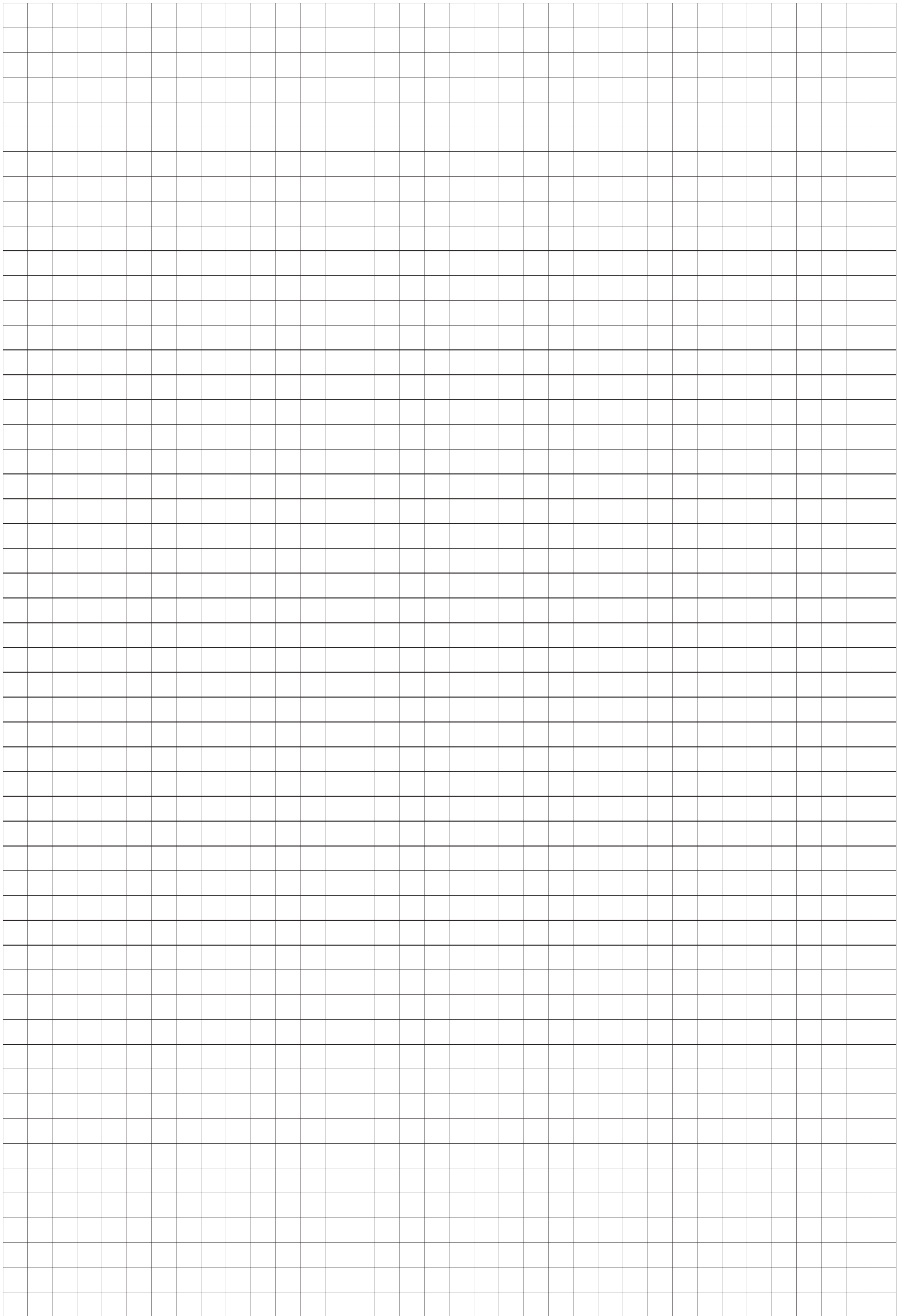
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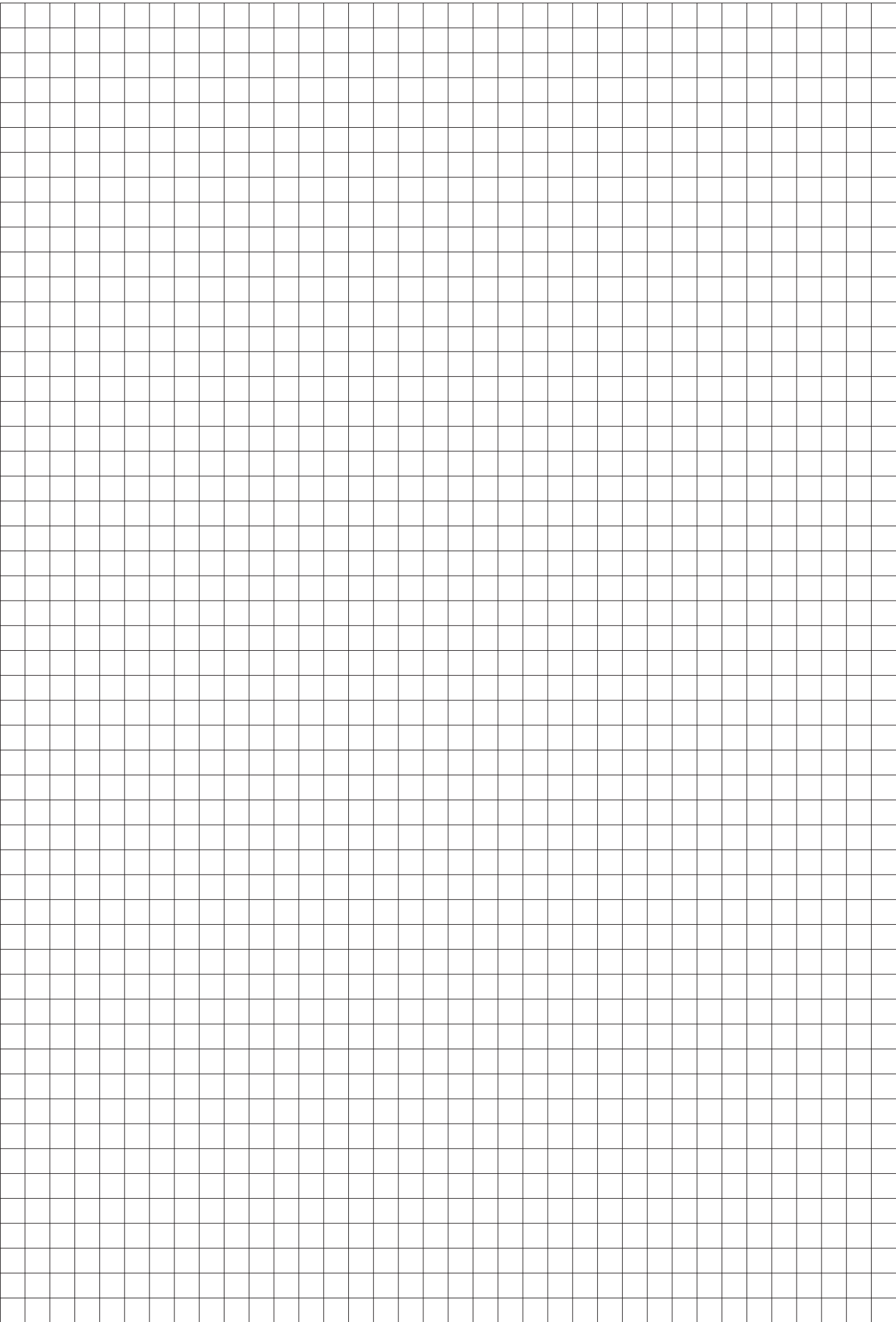
The noise levels mentioned in this catalogue are values measured under ideal conditions, in an anechoic chamber. These values can be influenced by local conditions (acoustical bouncing area, the equipment of the room, etc.).

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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