…change
is in the air

RESIDENTIAL
LIGHT COMMERCIAL
AIR CONDITIONING
2024

sinclair
AIR CONDITIONING
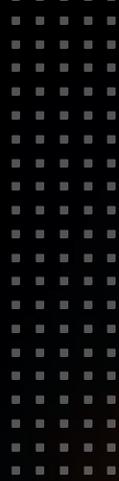
SINCLAIR GLOBAL GROUP

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.

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.

quality enhances partnership

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.

SUMMARY

SINCLAIR GLOBAL GROUP

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.
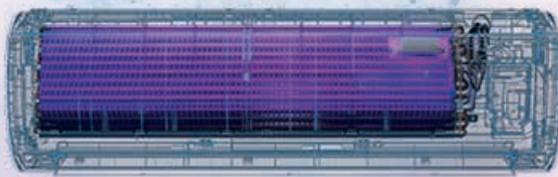
AVERAGE DEATH RATE UP TO
93,91%

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 ºC sterilization to keep the evaporator clean for fresh air supply. This function is newly present at Marvin series.

BEFORE CLEANING

AFTER CLEANING
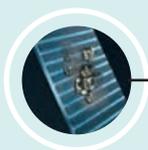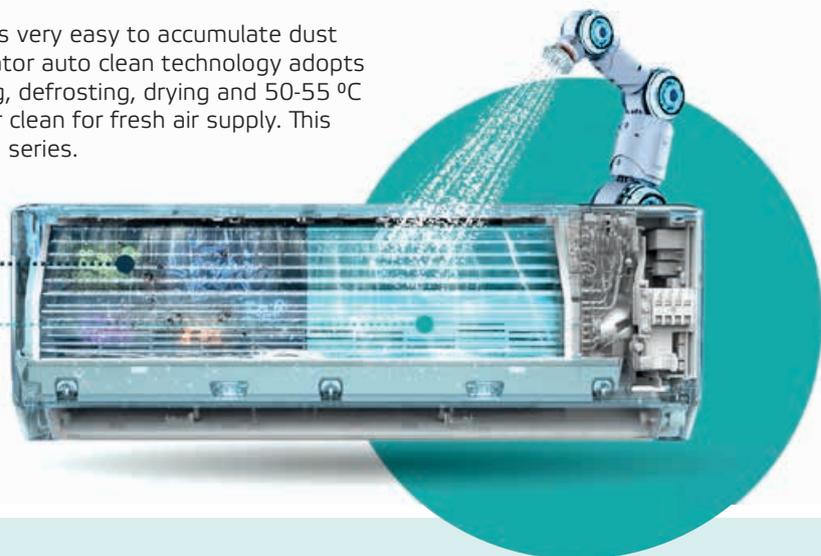
CONDENSATION
Condensate occurs
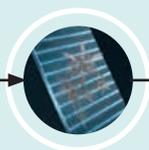
FROSTING
Become frosted

DEFROSTING
Defrost to remove dust
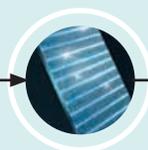
DRYING
Drain until the surface is dry
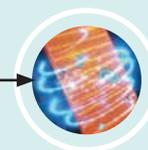
50~55 ºC STERILIZATION
Evaporator temperature remains at 0-55 ºC for 10 min

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.
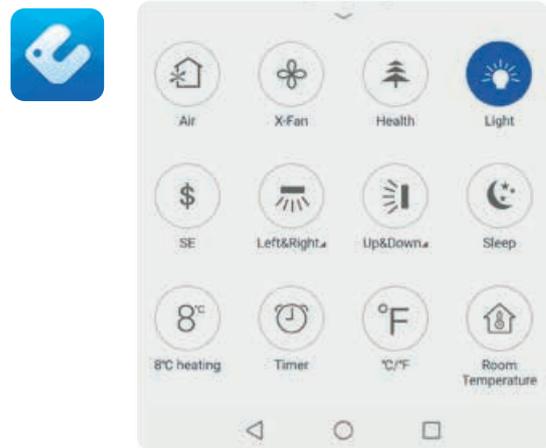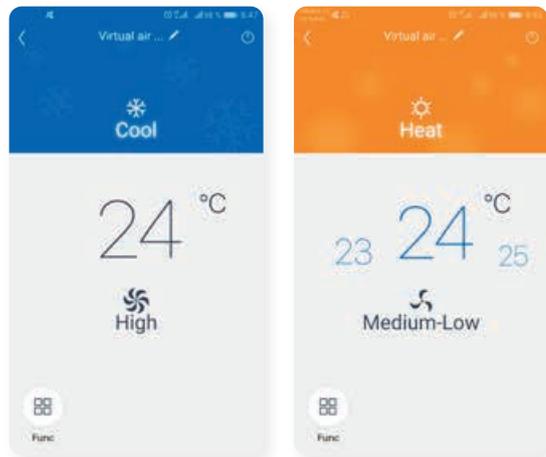
MODBUS

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.
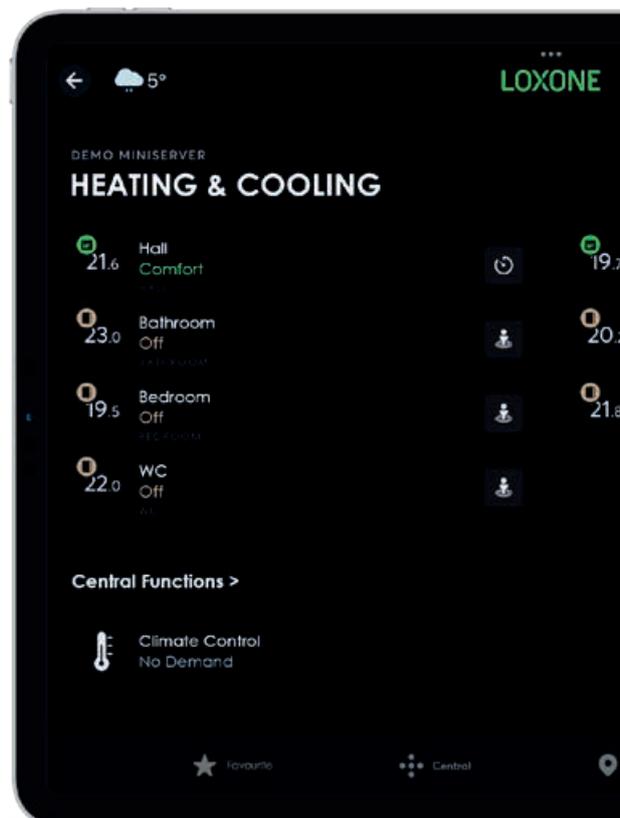
SMART FUNCTIONS SINCLAIR

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.

Sensed Temp 23ºC

Actual Temp 26ºC

I feel 26ºC

Sinclair AC

Sensed Temp 26ºC

Actual Temp 29ºC

Traditional AC
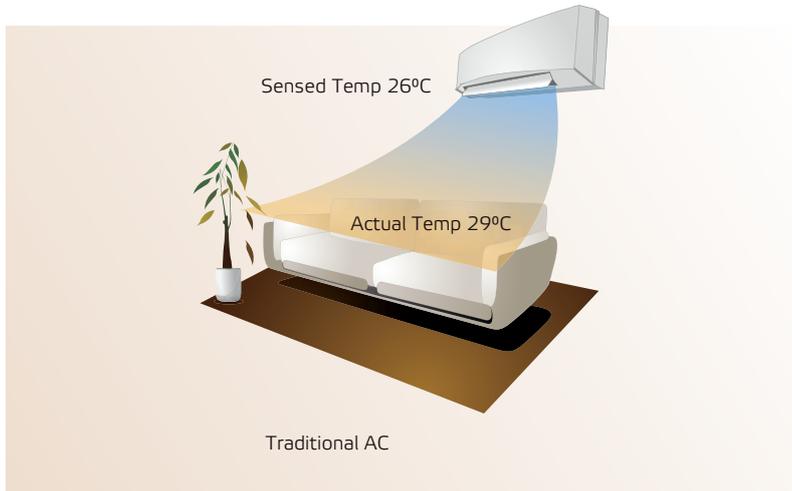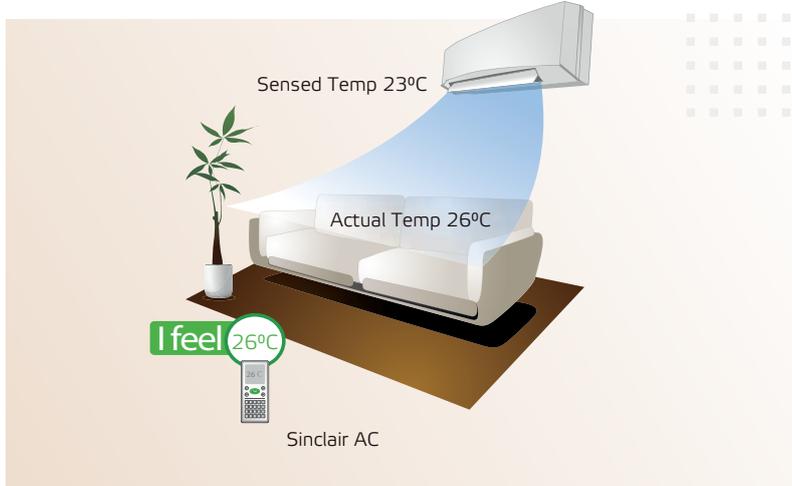
LOW AMBIENT TEMPERATURE FUNCTION

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

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

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

-30 ℃   8℃ heating   -15 ℃

Blue Fin	Anticorrosion treatment of exchangers
R32	Refrigerant
	Flexible adjusting lamels
LED	Diagnostic LED display
Turbo	TURBO button
	Intelligent defrosting
	Operation in the winter time
	Silent operation
	24-hour timer
24:00	Clock display
	WiFi function
	Dehumidifying mode
AUTO	Automatic operation
	Comfortable sleep mode
	Cold air prevention
	Self-diagnosis
	Auto-restart function
	Lock
8℃	8 ºC heating
	I feel
	7 speeds of fan
	Fresh air ventilation
	Optional health filters
1W	Low power consumption
	Filter cleaning timer

We care about our planet.

We care about conditions and climate in which our children and next generations will grow.

ecological world Sinclair

Thanks to the utilization of the environmentally friendly R32 refrigerant in all SINCLAIR residential air conditioners, the need for CO_2 emission quotas was reduced by 65 %.

We are gradually expanding this ecological trend among other categories of our products. With the SINCLAIR monoblock and 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.

SiNCLAiR
AIR CONDITIONING

ECOLOGICAL REFRIGERANT R32

R290 NATURAL REFRIGERANT

SPECTRUM PLUS SERIES

WALL MOUNTED SPLIT AIR CONDITIONERS
SPECTRUM PLUS SERIES

ECOLOGICAL REFRIGERANT **R32**

FEATURES

· Energy class A+++ / A++
· 2-stage compressor
· 7 speeds of fan
· Automatic mode with adjustable temperature
· Adjustable heating range 8~30 ºC
· Low ambient heating -30 ºC
· 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

ASH-09BIS2/W
ASH-13BIS2/W
ASH-18BIS2/W
ASH-24BIS2/W

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   WIFI   works with Loxone

Blue Fin | R32 | | LED | Turbo | | | | | |
AUTO | zZ | | | | | 8℃ | | |

TECHNICAL PARAMETERS

MODEL			ASH-09BIS2 / W	ASH-13BIS2 / W	ASH-18BIS2 / W	ASH-24BIS2 / W
Capacity cooling / heating	kW		2,7 / 3,5	3,5 / 4,2	5,3 / 5,6	7,0 / 7,0
Power supply	Phase / Hz / V		1~ / 50 / 220-240	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	6,5 / 4,1
Energy class cooling / heating (A, W, C)	-		A+++ / (A+++, A+++, A)	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	50 / 46 / 43 / 39 / 37 / 35 / 27
	OD	dB(A)	53	54	56	58
Dimension (w × h × d) / Net weight	ID	mm/kg	996 × 301 × 225 / 13,0	996 × 301 × 225 / 13,5	1101 × 327 × 249 / 16,5	1101 × 327 × 249 / 16,5
	OD	mm/kg	899 × 596 × 378 / 44,5	899 × 596 × 378 / 45,5	1003 × 790 × 427 / 62,5	1003 × 790 × 427 / 65,0
Operating temperature range	ºC		-18~54 / -30~24	-18~54 / -30~24	-18~52 / -30~24	-18~52 / -30~24

WALL MOUNTED SPLIT AIR CONDITIONERS
MARVIN SERIES

ECOLOGICAL REFRIGERANT **R32**

FEATURES

- Energy class A+++ / A++ - at 2,7 kW capacity
- Hidden display
- Function "I FEEL"
- Adjustable heating range 8~30 ºC
- 7 speeds of fan
- UV-C air sterilization
- Horizontal and vertical guide louver swing
- 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

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

Indoor units are compatible with Multi Variable series

*
SIH-09BIMX + SOH-09BIM
SIH-12BIMX + SOH-12BIM
SIH-18BIMX + SOH-18BIM
SIH-24BIMX + SOH-24BIM

PLASMA TEC   WIFI   works with Loxone   UV-C LED

Blue Fin | R32 | | LED | Turbo | | | | | |

AUTO | zZ | | | | | 8℃ | | |

TECHNICAL PARAMETERS

MODEL			SIH-09BIMx + SOH-09BIM	SIH-12BIMx + SOH-12BIM	SIH-18BIMx + SOH-18BIM	SIH-24BIMx + SOH-24BIM
Capacity cooling / heating	kW		2,7 / 3,0	3,5 / 3,8	5,3 / 5,4	7,1 / 7,3
Power supply	Hz / V		1~ / 50 / 220-240	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	7,0 / 4,3
Energy class cooling/ heating (A, W, C)	-		A+++ / (A++, A+++, A)	A++ / (A+, A+++, B)	A++ / (A+, A+++, A)	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	48 / 44 / 41 / 40 / 38 / 36 / 33 / 27
	OD	dB(A)	50	52	56	59
Dimension (w × h × d) / Net weight	ID	mm/kg	837 × 293 × 200 / 9,5	837 × 293 × 200 / 9,5	993 × 311 × 222 / 12,5	993 × 311 × 222 / 13,0
	OD	mm/kg	732 × 555 × 330 / 25,0	732 × 555 × 330 / 25,5	802 × 555 × 350 / 31,5	958 × 660 × 402 / 45,0
Operating temperature range (Cool/Heat)	ºC		-15~50 / -25~30	-15~50 / -25~30	-15~50 / -25~30	-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 control may vary

WALL MOUNTED SPLIT AIR CONDITIONERS
TERREL SERIES

ECOLOGICAL REFRIGERANT **R32**

FEATURES

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

STANDARD ACCESSORIES

· Filters - catechin SAF-OPWC4 and active carbon filter SAF-OPWA4
· Cold plasma generator
· WFi
· 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

Indoor units are compatible with Multi Variable series

SIH-09BITX + SOH-09BIT
SIH-13BITX + SOH-13BIT
SIH-18BIT2X + SOH-18BIT2
SIH-24BIT2X + SOH-24BIT2

PLASMA TEC   WIFI   works with Loxone

Blue Fin | R32 | LED | Turbo | 24:00 | AUTO | 8°C

TECHNICAL PARAMETERS

MODEL			SIH-09BITx + SOH-09BIT	SIH-13BITx + SOH-13BIT	SIH-18BIT2x + SOH-18BIT2	SIH-24BIT2x + SOH-24BIT2
Capacity cooling / heating		kW	2,7 / 3,0	3,5 / 3,8	5,3 / 5,6	7,1 / 7,8
Power supply		Hz / V	1~ / 50 / 220-240	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	7,0 / 4,2
Energy class cooling/ heating (A, W, C)		-	A++ / (A+, A+++, A)	A++ / (A+, A+++, B)	A++ / (A+, A+++, A)	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	47 / 41 / 39 / 37 / 35 / 32 / 31 / 21	50 / 47 / 43 / 41 / 40 / 36 / 35 / 27
	OD	dB(A)	50	52	57	59
Dimension (w × h × d) / Net weight	ID	mm/kg	889 × 294 × 212 / 11,0	889 × 294 × 212 / 11,0	1013 × 307 × 221 / 13,5	1122 × 329 × 247 / 16,5
	OD	mm/kg	732 × 555 × 330 / 23,5	732 × 555 × 330 / 24,5	958 × 660 × 402 / 40,5	958 × 660 × 402 / 41,5
Operating temperature range (Cool/Heat)		°C	-15~50 / -25~30	-15~50 / -25~30	-15~50 / -25~30	-15~50 / -25~30

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

WALL MOUNTED SPLIT AIR CONDITIONERS
KEYON SERIES

ECOLOGICAL REFRIGERANT **R32**

FEATURES

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

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)

Indoor units are compatible with Multi Variable series

*

SIH-09BIK + SOH-09BIK2
SIH-12BIK + SOH-12BIK2
SIH-18BIK + SOH-18BIK
SIH-24BIK + SOH-24BIK

PLASMA TEC   WIFI   works with Loxone

TECHNICAL PARAMETERS

MODEL			SIH-09BIK + SOH-09BIK2	SIH-12BIK + SOH-12BIK2	SIH-18BIK + SOH-18BIK	SIH-24BIK + SOH-24BIK
Capacity cooling / heating	kW		2,7 / 2,8	3,2 / 3,4	4,6 / 5,2	6,2 / 6,5
Power supply	Hz / V		1~ / 50 / 220-240	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	6,8 / 4,0
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)	40 / 37 / 33 / 23	41 / 36 / 32 / 23	48 / 41 / 37 / 31	48 / 44 / 40 / 35
	OD	dB(A)	51	52	53	58
Dimension (w × h × d) / Net weight	ID	mm/kg	770 × 251 × 190 / 8,0	849 × 289 × 215 / 10,5	972 × 300 × 225 / 13,5	1081 × 325 × 248 / 16,5
	OD	mm/kg	732 × 555 × 330 / 24,5	732 × 550 × 330 / 25,0	732 × 550 × 330 / 26,5	873 × 555 × 376 / 36,5
Operating temperature range (Cool/Heat)	ºC		-15~43 / -15~24	-15~43 / -15~24	-15~43 / -15~24	-15~43 / -15~24

* The type of remote control may vary

RAY SERIES

WALL MOUNTED SPLIT AIR CONDITIONERS
RAY SERIES

ECOLOGICAL REFRIGERANT **R32**

FEATURES

· Energy class A++ / A+
· Hidden display
· Function "I FEEL"
· 8 ⁰C heating

STANDARD ACCESSORIES

· Remote controller

OPTIONAL ACCESSORIES

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

Indoor units are compatible with Multi Variable series

SIH-09BIR + SOH-09BIR2
SIH-12BIR3 + SOH-12BIR3
SIH-18BIR + SOH-18BIR
SIH-24BIR + SOH-24BIR

stylish world Sinclair

PLASMA TEC

WIFI READY

Blue Fin | R32 | | LED | Turbo | | | | AUTO |

| | | | 8°C | |

TECHNICAL PARAMETERS

MODEL			SIH-09BIR + SOH-09BIR2	SIH-12BIR3 + SOH-12BIR3	SIH-18BIR + SOH-18BIR	SIH-24BIR + SOH-24BIR
Capacity cooling / heating	kW		2,7 / 2,8	3,2 / 3,4	4,6 / 5,2	6,2 / 6,5
Power supply	Hz / V		1~ / 50 / 220-240	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	6,8 / 4,0
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)	40 / 37 / 33 / 23	42 / 36 / 32 / 23	48 / 42 / 38 / 31	48 / 45 / 37 / 30
	OD	dB(A)	51	52	55	57
Dimension (w × h × d) / Net weight	ID	mm/kg	773 × 250 × 185 / 8,5	849 × 289 × 215 / 10,5	970 × 300 × 225 / 13,0	970 × 300 × 225 / 13,5
	OD	mm/kg	732 × 555 × 330 / 24,5	732 × 555 × 330 / 25,0	732 × 555 × 330 / 26,5	873 × 555 × 376 / 36,5
Operating temperature range (Cool/Heat)	⁰C		-15~43 / -15~24	-15~43 / -15~24	-15~43 / -15~24	-15~43 / -15~24

CONSOLE SPLIT AIR CONDITIONER
CONSOLE SERIES

ECOLOGICAL REFRIGERANT **R32**

FEATURES

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

ASP-09BI
ASP-12BI
ASP-18BI

PLASMA TEC WIFI works with Loxone

Blue Fin | R32 | LED | Turbo

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	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 × h × 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)	ºC		-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24	

OUTDOOR UNITS
MULTI VARIABLE SERIES

ECOLOGICAL REFRIGERANT **R32**

FEATURES

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

STANDARD ACCESSORIES

- Pipe adapters
- Drain plugs
- Drain water adapter

MV-E14BI2
MV-E18BI2
MV-E21BI2
MV-E24BI2
MV-E28BI2
MV-E36BI2
MV-E42BI2

TECHNICAL PARAMETERS

MODEL		MV-E14BI2	MV-E18BI2	MV-E21BI2	MV-E24BI2
Number of connectable indoor units		1-2	1-2	2-3	2-3
Capacity cooling / heating	kW	4,1 / 4,4	5,3 / 5,7	6,1 / 6,5	7,1 / 8,6
Power supply	Hz / V	1~ / 50 / 220-240	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	7,1 / 4,3
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1m	dB(A)	52	54	58	58
Dimension (w × h × d) / Net weight	mm/kg	822 × 550 × 352 / 30,0	822 × 550 × 352 / 32,0	964 × 660 × 402 / 47,5	964 × 660 × 402 / 47,5
Operating temperature range (Cool/Heat)	°C	-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24

MODEL		MV-E28BI2	MV-E36BI2	MV-E42BI2	
Number of connectable indoor units		2-4	2-4	2-5	
Capacity cooling / heating	kW	8,0 / 9,5	10,6 / 12,0	12,1 / 13,0	
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER / SCOP	-	7,2 / 4,2	7,2 / 4,0	NA	
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+	NA	
Sound pressure level at 1m	dB(A)	58	60	60	
Dimension (w × h × d) / Net weight	mm/kg	964 × 660 × 402 / 51,0	1020 × 826 × 427 / 72,0	1020 × 826 × 427 / 73,0	
Operating temperature range (Cool/Heat)	°C	-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24	

SIH-xxBIMx

MARVIN SERIES WIFI works with Loxone

MODEL MARVIN		SIH-09BIMx	SIH-12BIMx	SIH-18BIMx	SIH-24BIMx	
Capacity cooling / heating	kW	2,7 / 3,0	3,5 / 3,8	5,3 / 5,4	7,1 / 7,3	
Power supply	Hz / V	outdoor	outdoor	outdoor	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	48 / 44 / 41 / 40 / 38 / 36 / 33 / 27	
Dimension (w × h × d) / Net weight	mm/kg	837 × 293 × 200 / 9,5	837 × 293 × 200 / 9,5	993 × 311 × 222 / 12,5	993 × 311 × 222 / 13,0	

SIH-xxBIK

KEYON SERIES WIFI works with Loxone

MODEL KEYON		SIH-07BIK	SIH-09BIK	SIH-12BIK	SIH-18BIK	SIH-24BIK
Capacity cooling / heating	kW	2,2 / 2,4	2,7 / 2,8	3,2 / 3,4	4,6 / 5,2	6,2 / 6,5
Power supply	Hz / V	outdoor	outdoor	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	39 / 37 / 33 / 22	40 / 38 / 34 / 23	41 / 36 / 32 / 23	48 / 41 / 37 / 31	48 / 44 / 40 / 35
Dimension (w × h × d) / Net weight	mm/kg	696 × 251 × 190 / 7,5	770 × 251 × 190 / 8,5	849 × 289 × 215 / 10,5	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 amd without the door contact

PLASMA TEC

SIH-xxBITx

TERREL SERIES

WIFI

works with Loxone

MODEL TERREL		SIH-09BITx	SIH-13BITx	SIH-18BITx	SIH-24BITx	
Capacity cooling / heating	kW	2,7 / 3,0	3,5 / 3,8	5,2 / 5,3	7,0 / 7,4	
Power supply	Hz / V	outdoor	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	48 / 45 / 42 / 39 / 37 / 36 / 33	
Dimension (w × h × d) / Net weight	mm/kg	889 × 294 × 212 / 11,0	889 × 294 × 212 / 11,0	1013 × 307 × 221 / 13,5	1122 × 329 × 247 / 17,5	

SIH-xxBIR

RAY SERIES

WIFI READY

MODEL RAY		SIH-09BIR	SIH-12BIR3	SIH-18BIR	SIH-24BIR	
Capacity cooling / heating	kW	2,7 / 2,8	3,2 / 3,4	4,6 / 5,2	6,2 / 6,5	
Power supply	Hz / V	outdoor	outdoor	outdoor	outdoor	
Sound pressure level at 1m	dB(A)	40 / 38 / 34 / 23	42 / 36 / 32 / 23	48 / 42 / 38 / 31	48 / 45 / 37 / 26	
Dimension (w × h × d) / Net weight	mm/kg	773 × 250 × 185 / 8,5	849 × 289 × 215 / 10,5	970 × 300 × 225 / 13,0	970 × 300 × 225 / 13,5	

PLASMA TEC

Blue Fin | R32 | LED | Turbo | | | 24:00 | | AUTO

INDOOR UNITS
MULTI VARIABLE SERIES

ECOLOGICAL REFRIGERANT **R32**

MV-PxxBI

CONSOLE UNITS

· 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

WIFI works with Loxone

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 × h × d) / Net weight	mm/kg	700 × 600 × 215 / 15,5	700 × 600 × 215 / 15,5	700 × 600 × 215 / 15,5	

MV-FxxBI

FLOOR CEILING UNITS

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

WIFI READY works with Loxone
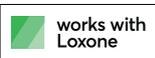
MODEL		MV-F09BI	MV-F12BI	MV-F18BI	MV-F24BI
Capacity cooling / heating	kW	2,6 / 2,7	3,5 / 4,0	4,5 / 5,0	7,1 / 8,0
Power supply	Hz / V	outdoor	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	38 / 35 / 30 / 26	38 / 35 / 30 / 26	38 / 35 / 30 / 26	38 / 35 / 30 / 26
Dimension (w × h × d) / Net weight	mm/kg	870 × 665 × 235 / 25,0	870 × 665 × 235 / 25,0	870 × 665 × 235 / 25,5	1200 × 665 × 235 / 33,0

4-WAY CASSETTE UNITS

· Built in water pump
· Decorative panel in standard
· 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

WIFI READY

works with Loxone

MV-CxxBI2

MODEL		MV-C12BI2	MV-C18BI2	MV-C24BI2	
Capacity cooling / heating	kW	3,5 / 4,0	5,0 / 5,5	7,0 / 8,0	
Power supply	Hz / V	outdoor	outdoor	outdoor	
Sound pressure level at 1m	dB(A)	41 / 36 / 32 / 28	43 / 36 / 32 / 28	46 / 42 / 39 / 37	
Dimension (w × h × d) / Net weight	mm/kg	570 × 570 × 265 / 17,0	570 × 570 × 265 / 17,0	840 × 840 × 240 / 29,0	

DUCT UNITS

· 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

WIFI

works with Loxone

MV-DxxBI2
MV-DxxBIP

MODEL		MV-D09BI2	MV-D12BI2	MV-D18BI2	MV-D24BI2
Capacity cooling / heating	kW	2,7 / 2,8	3,5 / 4,0	5,0 / 5,5	7,0 / 8,0
Power supply	Hz / V	outdoor	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	32 / 28 / 25 / 22	36 / 34 / 31 / 27	36 / 31 / 28 / 25	46 / 42 / 40 / 36
External static pressure	Pa	0-10	0-10	0-10	0-40
Dimension (w × h × d) / Net weight	mm/kg	710 × 200 × 450 / 18,5	710 × 200 × 450 / 19,0	1010 × 200 × 450 / 25,0	900 × 260 × 655 / 31,0

MODEL		MV-D09BIP	MV-D12BIP	MV-D18BIP	MV-D24BIP
Capacity cooling / heating	kW	2,7 / 2,8	3,5 / 4,0	5,0 / 5,5	7,0 / 8,0
Power supply	Hz / V	outdoor	outdoor	outdoor	outdoor
Sound pressure level at 1m	dB(A)	41 / 39 / 38 / 37 / 36 / 35 / 34	39 / 37 / 36 / 35 / 34 / 33 / 32	41 / 39 / 39 / 38 / 38 / 37 / 34	45 / 40 / 40 / 38 / 38 / 36 / 36
External static pressure	Pa	25-60	25-60	25-60	25-125
Dimension (w × h × d) / Net weight	mm/kg	710 × 200 × 450 / 18,5	710 × 200 × 450 / 19,0	1010 × 200 × 450 / 25,0	900 × 260 × 655 / 31,0

OUTDOOR UNITS
UNI SPLIT 2 SERIES

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.**

ASGE-12BI2
ASGE-18BI2
ASGE-24BI2
ASGE-30BI2
ASGE-36BI2
ASGE-36BI2-3
ASGE-42BI2
ASGE-42BI2-3
ASGE-48BI2
ASGE-48BI2-3
ASGE-60BI2-3

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 SREF-01 are not included and are sold separately.

IDU2   IDU1 MASTER

WIRED CONTROLLER

IDU4   IDU3

Blue Fin | R32
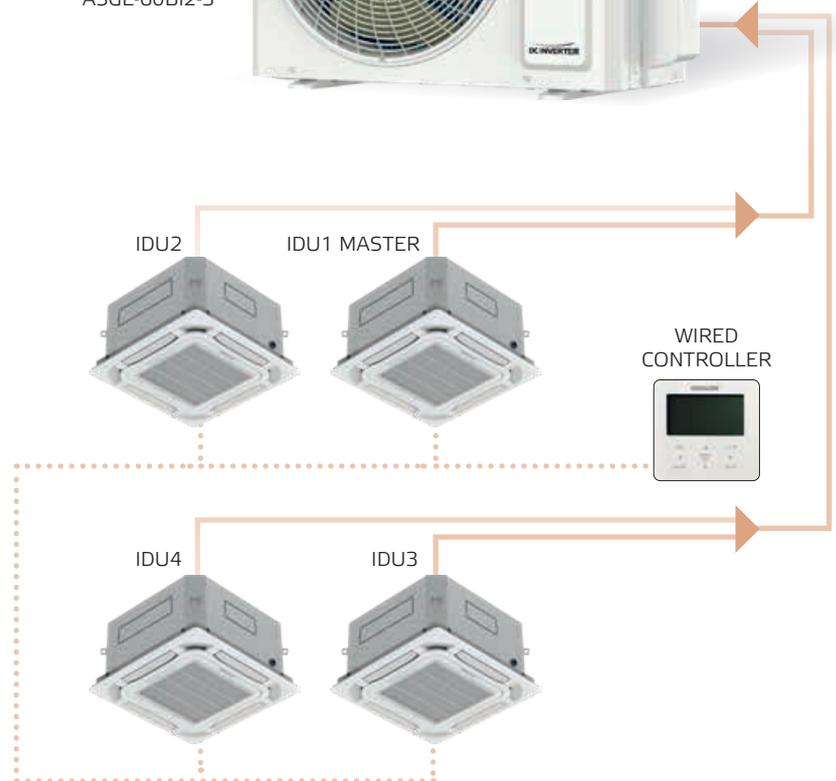
TECHNICAL PARAMETERS

MODEL		ASGE-12BI2	ASGE-18BI2	ASGE-24BI2	ASGE-30BI2	
Capacity cooling / heating	kW	3,5 / 4,0	5,3 / 5,8	7,1 / 8,0	8,5 / 8,8	
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Sound pressure level at 1m	dB(A)	48	52	55	57	
Dimension (w × h × d) / Net weight	mm/kg	675 × 553 × 285 / 24,5	745 × 555 × 300 / 30,5	889 × 660 × 340 / 41,5	889 × 660 × 340 / 46,0	
Operating temperature range (Cool/Heat)	ºC	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	

MODEL		ASGE-36BI2	ASGE-36BI2-3	ASGE-42BI2	ASGE-42BI2-3	
Capacity cooling / heating	kW	10,5 / 11,5	10,5 / 11,5	12,1 / 13,5	12,1 / 13,5	
Power supply	Hz / V	1~ / 50 / 220-240	3~ / 50 / 380-415	1~ / 50 / 220-240	3~ / 50 / 380-415	
Sound pressure level at 1m	dB(A)	57	57	58	58	
Dimension (w × h × d) / Net weight	mm/kg	940 × 820 × 530 / 65,0	940 × 820 × 370 / 75,0	940 × 820 × 370 / 66,0	940 × 820 × 370 / 76,0	
Operating temperature range (Cool/Heat)	ºC	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	

MODEL		ASGE-48BI2	ASGE-48BI2-3	ASGE-60BI2-3		
Capacity cooling / heating	kW	13,4 / 15,5	13,4 / 15,5	16,0 / 17,0		
Power supply	Hz / V	1~ / 50 / 220-240	3~ / 50 / 380-415	3~ / 50 / 380-415		
Sound pressure level at 1m	dB(A)	59	59	60		
Dimension (w × h × d) / Net weight	mm/kg	940 × 820 × 370 / 73,0	940 × 820 × 370 / 81,0	990 × 960 × 370 / 94,0		
Operating temperature range (Cool/Heat)	ºC	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24		

UNI SPLIT 2 SERIES

INDOOR UNITS
UNI SPLIT 2 SERIES

ECOLOGICAL REFRIGERANT R32

4-WAY CASSETTE UNITS

FEATURES

· Autorestart function
· Water pump
· Dry door contact
· Fresh air supply
· Decorative panel in standard
· Remote controller
· Function "I FEEL"
· 8 ºC heating
· Lower temperature dehumidifying (12ºC indoor temperature)
· MODBUS and BACNET control possibility via optional accessories
· SWC-05W and SWC-07 wired controllers with integrated WiFi module as optional accessories

ASC-12BI2
ASC-18BI2
ASC-24BI2
ASC-30BI2
ASC-36BI2
ASC-42BI2
ASC-48BI2
ASC-60BI2

WIFI READY

Blue Fin | R32 | LED | Turbo | 24:00 | AUTO
8°C

TECHNICAL PARAMETERS

MODEL			ASC-12BI2	ASC-18BI2	ASC-24BI2	ASC-30BI2	
Capacity cooling / heating	kW		3,5 / 4,0	5,3 / 5,8	7,1 / 8,0	8,5 / 8,8	
Power supply	Hz / V		z OD jednotky	z OD jednotky	z OD jednotky	z OD jednotky	
SEER / SCOP	-		7,1 / 4,2	7,2 / 4,3	6,7 / 4,3	6,9 / 4,3	
Energy class cooling/ heating (Awerage)	-		A++ / A+	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	47 / 46 / 42 / 38	
Dimension (w × h × d) / Net weight	ID	mm/kg	570 × 260 × 570 / 16,5	570 × 260 × 570 / 16,5	840 × 200 × 840 / 21,0	840 × 200 × 840 / 21,0	
	panel	mm/kg	620 × 47,5 × 620 / 4,5	620 × 47,5 × 620 / 4,5	950 × 52 × 950 / 9,5	950 × 52 × 950 / 9,5	
Operating temperature range (Cool/Heat)	ºC		−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	

MODEL			ASC-36BI2	ASC-42BI2	ASC-48BI2	ASC-60BI2	
Capacity cooling / heating	kW		10,5 / 11,5	12,1 / 13,5	13,4 / 15,5	16,0 / 17,0	
Power supply	Hz / V		z OD jednotky	z OD jednotky	z OD jednotky	z OD jednotky	
SEER / SCOP	-		6,6 / 4,4	6,1 / 4,1	6,1 / 4,0	6,1 / 4,0	
Energy class cooling/ heating (Awerage)	-		A++ / A+	A++ / A+	A++ / A+	A++ / A+	
Sound pressure level at 1m	dB(A)		43 / 41 / 39 / 38	48 / 46 / 43 / 39	50 / 48 / 45 / 41	52 / 50 / 48 / 44	
Dimension (w × h × d) / Net weight	ID	mm/kg	840 × 240 × 840 / 23,0	840 × 240 × 840 / 23,0	840 × 290 × 840 / 25,0	840 × 290 × 840 / 26,0	
	panel	mm/kg	950 × 52 × 950 / 9,5	950 × 52 × 950 / 9,5	950 × 52 × 950 / 9,5	950 × 52 × 950 / 9,5	
Operating temperature range (Cool/Heat)	ºC		−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	

INDOOR UNITS
UNI SPLIT 2 SERIES

ECOLOGICAL REFRIGERANT **R32**

FLOOR-CEILING UNITS

FEATURES

· Autorestart function
· Dry door contact
· Remote controller
· Function "I FEEL"
· 8 ºC heating
· Lower temperature dehumidifying (12ºC indoor temperature)
· MODBUS and BACNET control possibility via optional accessories
· SWC-05W and SWC-07 wired controllers with integrated WiFi module as optional accessories

ASF-12BI2	ASF-36BI2
ASF-18BI2	ASF-42BI2
ASF-24BI2	ASF-48BI2
ASF-30BI2	ASF-60BI2

WIFI READY

Blue Fin | R32 | | LED | Turbo | | | 24:00 | | AUTO | | | | | 8°C | | | | |

TECHNICAL PARAMETERS

MODEL			ASF-12BI2	ASF-18BI2	ASF-24BI2	ASF-30BI2	
Capacity cooling / heating		kW	3,5 / 4,0	5,3 / 5,6	7,1 / 7,7	8,5 / 8,8	
Power supply		Hz / V	z OD jednotky	z OD jednotky	z OD jednotky	z OD jednotky	
SEER / SCOP		-	7,2 / 4,1	6,5 / 4,2	7,2 / 4,3	6,8 / 4,5	
Energy class cooling/ heating (Awerage)		-	A++ / A+	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	46 / 45 / 43 / 39	
Dimension (w × h × d) / Net weight	ID	mm/kg	870 × 665 × 235 / 24,0	870 × 665 × 235 / 25,0	1200 × 665 × 235 / 31,0	1200 × 665 × 235 / 32,0	
Operating temperature range (Cool/Heat)		ºC	–20~52 / –20~24	–20~52 / –20~24	–20~52 / –20~24	–20~52 / –20~24	

MODEL			ASF-36BI2	ASF-42BI2	ASF-48BI2	ASF-60BI2	
Capacity cooling / heating		kW	10,0 / 11,5	12,1 / 13,5	13,4 / 15,5	16,0 / 17,0	
Power supply		Hz / V	z OD jednotky	z OD jednotky	z OD jednotky	z OD jednotky	
SEER / SCOP		-	6,3 / 4,2	6,3 / 4,0	6,3 / 4,0	6,1 / 4,0	
Energy class cooling/ heating (Awerage)		-	A++ / A+	A++ / A+	A++ / A+	A++ / A+	
Sound pressure level at 1m	ID	dB(A)	48 / 46 / 45 / 43	45 / 43 / 40 / 38	51 / 48 / 45 / 43	54 / 51 / 48 / 44	
Dimension (w × h × d) / Net weight	ID	mm/kg	1200 × 665 × 235 / 32,0	1570 × 665 × 235 / 39,5	1570 × 665 × 235 / 42,0	1570 × 665 × 235 / 42,0	
Operating temperature range (Cool/Heat)		ºC	–20~52 / –20~24	–20~52 / –20~24	–20~52 / –20~24	–20~52 / –20~24	

DUCT UNITS

FEATURES

· Autorestart function
· Dry door contact
· Water Pump
· Wired controller SWC-05W with integrated WiFi module in standard
· Function "I FEEL"
· 8 ºC heating
· Lower temperature dehumidifying (12 ºC indoor temperature)
· MODBUS and BACNET control possibility via optional accessories
· SWC-07 wired controller with integrated WiFi module as optional accessories

ASD-12BI2
ASD-18BI2
ASD-24BI2
ASD-30BI2
ASD-36BI2
ASD-42BI2
ASD-48BI2
ASD-60BI2

comfort world
Sinclair

WIFI READY

| Blue Fin | R32 | Turbo | ❄ | ❄ | 24:00 | 💧 | AUTO | zZ | | ↻ | 🔒 | 8℃ | 📱 | | ⏰ | ☀ |

TECHNICAL PARAMETERS

MODEL			ASD-12BI2	ASD-18BI2	ASD-24BI2	ASD-30BI2	
Capacity cooling / heating		kW	3,5 / 4,0	5,3 / 5,6	7,1 / 8,0	8,5 / 8,8	
Power supply		Hz / V	z OD jednotky	z OD jednotky	z OD jednotky	z OD jednotky	
SEER / SCOP		-	6,5 / 4,0	6,3 / 4,0	6,6 / 4,1	6,4 / 4,1	
Energy class cooling/ heating (Average)		-	A++ / A+	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	43 / 41 / 39 / 37	
Dimension (w × h × d) / Net weight	ID	mm/kg	700 × 450 × 200 / 18,0	1000 × 450 × 200 / 24,0	900 × 655 × 260 / 29,5	900 × 655 × 260 / 29,5	
Operating temperature range (Cool/Heat)		ºC	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	

MODEL			ASD-36BI2	ASD-42BI2	ASD-48BI2	ASD-60BI2	
Capacity cooling / heating		kW	10,5 / 11,5	12,1 / 13,5	13,4 / 15,5	16,0 / 17,0	
Power supply		Hz / V	z OD jednotky	z OD jednotky	z OD jednotky	z OD jednotky	
SEER / SCOP		-	6,4 / 4,2	6,1 / 4,1	6,1 / 4,0	6,1 / 4,0	
Energy class cooling/ heating (Average)		-	A++ / A+	A++ / A+	A++ / A+	A++ / A+	
Sound pressure level at 1m	ID	dB(A)	39 / 38 / 37 / 36	43 / 42 / 41 / 40	43 / 42 / 40 / 38	46 / 44 / 42 / 40	
Dimension (w × h × d) / Net weight	ID	mm/kg	1340 × 655 × 260 / 43,0	1340 × 655 × 260 / 43,0	1400 × 700 × 300 / 52,0	1400 × 700 × 300 / 55,0	
Operating temperature range (Cool/Heat)		ºC	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	−20~52 / −20~24	

OUTDOOR UNIT CONTROL
NEW SCMI COMMUNICATION MODULE

ECOLOGICAL REFRIGERANT R32

FEATURES

· Compatible with outdoor units ASGE-xxBI2/-3 of UNI SPLIT 2 series
· Set temperature range from -10 ºC (cooling) up to +50 ºC (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 USB Communicator software
· MODBUS protocol
· DIN rail compatible – 4M wide, installation in power distribution unit

ASGE-12BI2
ASGE-18BI2
ASGE-24BI2
ASGE-30BI2
ASGE-36BI2
ASGE-36BI2-3
ASGE-42BI2
ASGE-42BI2-3
ASGE-48BI2
ASGE-48BI2-3
ASGE-60BI2-3

SCMI-01.5C COMMUNICATION MODULE

SPLIT AIR CONDITIONER
TOWER SERIES

ECOLOGICAL
REFRIGERANT **R32**

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

NEW

AST-24BI2
AST-48BI2

WIFI

R32 | Turbo | | | | | AUTO | | | |

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 (Awerage)			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 × 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	

WINDOW SERIES

MONOBLOCK AIR CONDITIONERS
WINDOW SERIES

ECOLOGICAL REFRIGERANT **R32**

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.

ASW-09BI
ASW-12BI

intelligent world
Sinclair

TECHNICAL PARAMETERS

MODEL			ASW-09BI	ASW-12BI	
Capacity cooling / heating		kW	2,7	3,7	
Power supply		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 × h × d) / Net weight		mm/kg	560 × 375 × 710 / 43,0	660 × 428 × 700 / 50,0	
Operating temperature range		ºC	16~43	16~43	

MONOBLOCK AIR CONDITIONERS
MONOBLOCK SERIES

FEATURES

· New concept of monoblock air conditioner
· 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

ASM-12PI
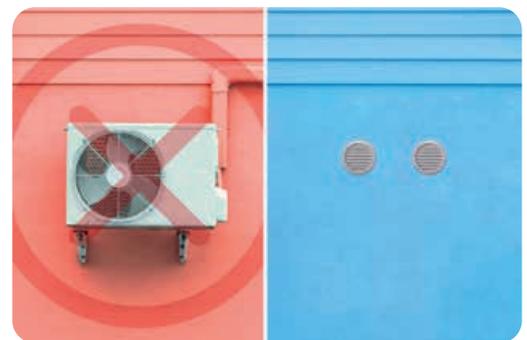
WIFI

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

TECHNICAL PARAMETERS

MODEL		ASM-12PI		
Capacity cooling / heating	kW	3,5 / 2,9		
Power supply	Hz / V	1~ / 50 / 220-240		
EER/ COP	-	2,6 / 3,6		
Energy class cooling/heating (av.)	-	A / A+		
Sound pressure level at 1m	ID dB(A)	47 - 39		
Dimension (w × h × d) / Net weight	mm/kg	1000 × 585 × 205 / 43,5		
Application Area	m²	25-30		

VEHICLE AIR CONDITIONER
CAMPER TRAILER SERIES

FEATURES

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

INDOOR PANEL ULTRASLIM
AND INNOVATIVE DESIGN

ASV-25BS
ASV-35BS

quiet world
Sinclair

WIFI

TECHNICAL PARAMETERS

MODEL			ASV-25BS	ASV-35BS	
Capacity cooling / heating	kW		2,6 / 2,4	3,6 / 3,4	
Power supply	Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	
EER/ COP	-		2,3 / 2,2	2,8 / 2,7	
Sound pressure level at 1m	ID	dB(A)	53 / 47 / 42	54 / 48 / 43	
	OD	dB(A)	53	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 / 35,0	1077 × 283 × 720 / 35,0	
Operating temperature range (Cool/Heat)	ºC		18~46 / - 5~24	18~46 / - 5~24	

BOAT SERIES

MONOBLOCK AIR CONDITIONERS
BOAT SERIES

R410A
REFRIGERANT

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 ºC (10 ºC~35 ºC of inlet water)
   Heating: -10~30 ºC (4 ºC~25 ºC of inlet water)
· Wired and remote controller as standard

WIRED AND REMOTE
CONTROLLER AS STANDARD

ASB-05A
ASB-09A
ASB-12A
ASB-16A

ASB-24A

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Sinclair

| Blue Fin | R410A | | |

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		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 × 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)		ºC	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		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 × h × d) / Net weight	ID	mm/kg	450 × 465 × 330 / 37,5	595 × 529 × 386 / 60,5		
Operating temperature range (Cool/Heat)		ºC	16~43 / -10~30	16~43 / -10~30		

PORTABLE DEVICES
LOCAL AIR CONDITIONERS

R290 NATURAL REFRIGERANT

FEATURES

· Energy class A / A++
· Auto-protection function
· Independent dehumidifying function
· Exchangeable filter
· 24-hour timer
· Environmentally friendly
· 2-year warranty
· Remote controller

AMC-11P
AMC-14P

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 dischargeis 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.

AMC-WINK   AMC-WK   WK-400A   AK-15A

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 × h × d) / Net weight	ID	mm/kg	300 × 760 × 532 / 28,5	300 × 760 × 532 / 30,6	
Operating temperature range (Cool/Heat)		ºC	17-32 / 7-25	17-32 / 7-25	

MOBILE DEHUMIDIFIERS

R290 NATURAL REFRIGERANT

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

CFO-18P

CFO-20P

CFO-40P

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	m²	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	ºC	5~32	5~32	5~32	

AIR PURIFIERS

SP-75UV

FEATURES

· Multilevel filtration and air purification
· UV-C LED technology for the elimination of viruses and bacteria
· HEPA H13 filter with silver nanoparticles
· Active carbon filter
· Negative ion generator for air freshening
· Air quality sensor and indication
· 3 fan speeds
· Mode: turbo/smart/sleep
· Filter lifespan up to 2000h

STANDARD ACCESSORIES

· HEPA filter
· Active carbon filter
· Cotton filter

OPTIONAL ACCESSORIES

· SPF-75 replacement dust filters

Stop Virus

Stop Bacteria

Stop Mold

Stop Allergens

Stop Dust

Stop Smoke

UV-C LED

TECHNICAL PARAMETERS

MODEL		SP-75UV		
Optimal room size	m²	75		
Power supply	Hz / V	1~ / 50 / 220-240		
Cleaning volume (CADR)	m³/h	600		
Sound pressure level	dB(A)	22–57 (max)		
Dimension (w x h x d)/Net weight	mm/kg	320 × 745 × 320 / 9,7		
Operating temperature range	⁰C	0~40		

FEATURES

· Anion generator
· Auto detecting of air quality
· Multiple filtration system
· HEPA and carbon filter
· Ultrasilent mode
· Low power consumption
· Timer
· 2-year warranty
· Filter lifespan up to 2000 h

STANDARD ACCESSORIES

· HEPA filter
· Active carbon filter
· Cotton filter

OPTIONAL ACCESSORIES

· SPF-45N replacement dust filters
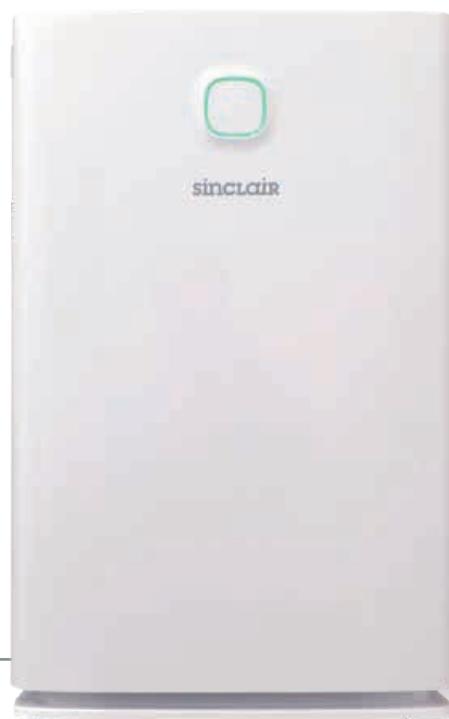
SP-45AN

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TECHNICAL PARAMETERS

MODEL		SP-45AN		
Optimal room size	m^2	10 - 45		
Power supply	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	374 × 594 × 201 / 6,8		
Operating temperature range	ºC	0~40		

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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-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. 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 2 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.

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AIR CONDITIONING

ACCESSORIES

ALARM INTERFACE SAI-01

Te 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.
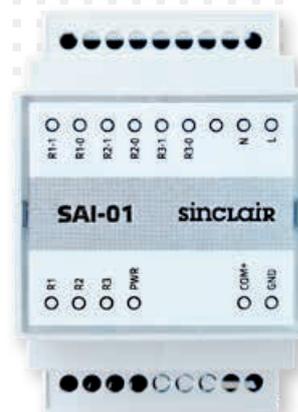
DIAGNOSTIC TOOL SDT-RAC

· 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.

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AIR CONDITIONING

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 and 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.

COLD CATALYST FILTER SAF-OPWK

Material of this filter is PU polyurethane, multiple catalyst fiber. Effectively catch and remove formaldehyde and other volatile organic compounds (VOCs) as well as harmful gases and odors. Cold catalyst filter can reach a 92.9 % formaldehyde removal ratio within 2.5 hours.
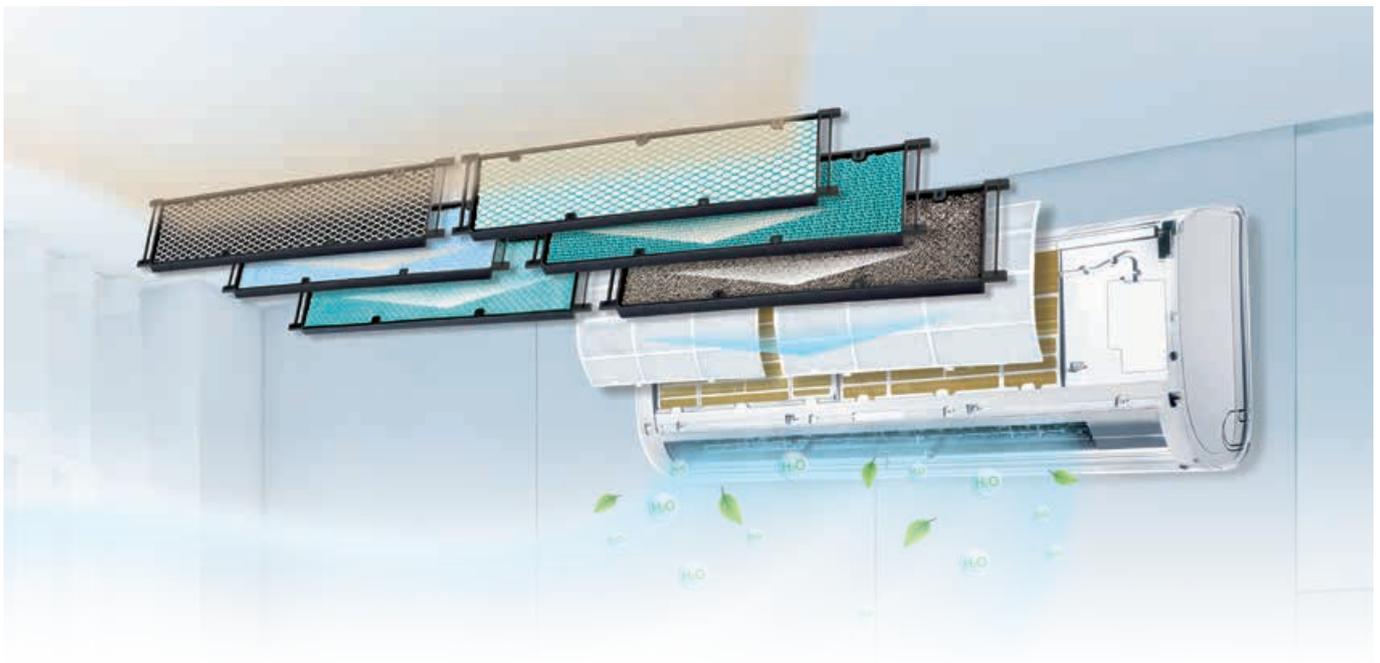
NOTES AND EXPLANATIONS

Shortcuts used in tabs:
- ID/OD - indoor unit / outdoor unit
- A,W,C - awerage, 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 ºC DB/19 ºC WB, outdoor temperature 35 ºC DB/24 ºC WB. Heating condition: indoor temperature 20 ºC DB/15 ºC WB, outdoor temperature 7 ºC DB/6 ºC 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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