



sinclair®

... the world needs
a better climate

RESIDENTIAL
LIGHT COMMERCIAL
AIR CONDITIONING
2023

 **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.

quality enhances partnership

OUR VISION AND MISSION

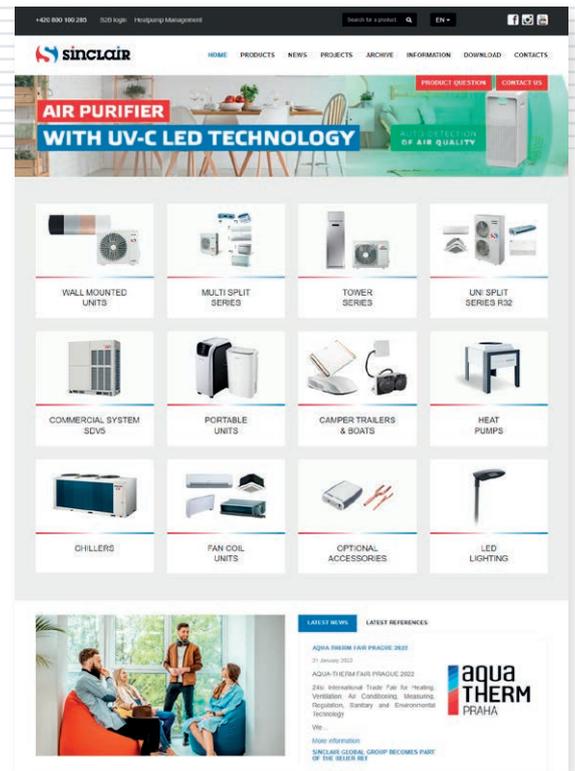
Environment protection becomes more and more crucial for humanity and its future generations. SINCLAIR Global Group perceives it the same way hence we focus on developing and applying new technologies which helps to reduce energy consumption and global warming effect. Our products fulfils strict EU norms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



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.



SUMMARY

- 4 TECHNOLOGY FOR CLEAN AIR
- 6 SMART FUNCTIONS SINCLAIR
- 8 SINCLAIR ECOLOGY
- 10 SPECTRUM PLUS SERIES
- 12 MARVIN SERIES
- 14 TERREL SERIES
- 16 KEYON SERIES
- 18 RAY SERIES
- 20 CONSOLE SERIES
- 22 MULTI VARIABLE SERIES - OUTDOOR UNITS
- 24 MULTI VARIABLE SERIES - INDOOR UNITS
- 28 UNI SPLIT 2 SERIES - OUTDOOR UNITS
- 30 UNI SPLIT 2 SERIES - INDOOR UNITS
- 34 UNI SPLIT SERIES - OUTDOOR UNITS
- 36 TOWER SERIES
- 38 WINDOW SERIES
- 40 MONOBLOCK SERIES
- 42 CAMPER TRAILER SERIES
- 44 BOAT SERIES
- 46 LOCAL AIR CONDITIONERS
- 48 MOBILE DEHUMIDIFIERS
- 50 AIR PURIFIERS
- 54 ACCESSORIES
- 57 OPTIONAL FILTERS
- 58 NOTES AND EXPLANATIONS

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 m² laboratory, where the amount of air-borne bacteria before purification is 4.88×10² CFU/m².



CORONAVIRUS



INFLUENZA VIRUS



ROTAVIRUS



BACILLUS



COCCUS



MOLDS

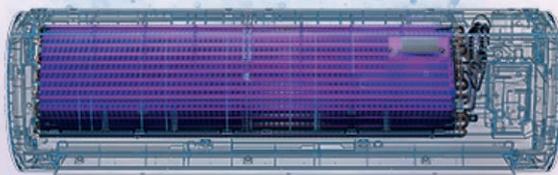
UV-C STERILIZATION

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%



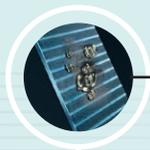
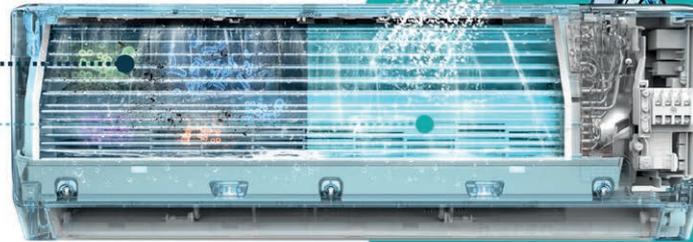
SAFE AND EFFICIENT UV LAMP

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

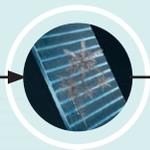
BEFORE CLEANING

AFTER CLEANING



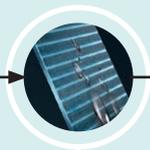
CONDENSATION

Condensate occurs



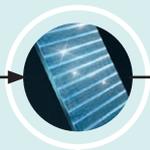
FROSTING

Become frosted



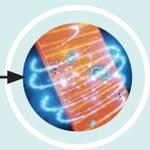
DEFROSTING

Defrost to remove dust



DRYING

Drain until the surface is dry



50~55 °C STERILIZATION

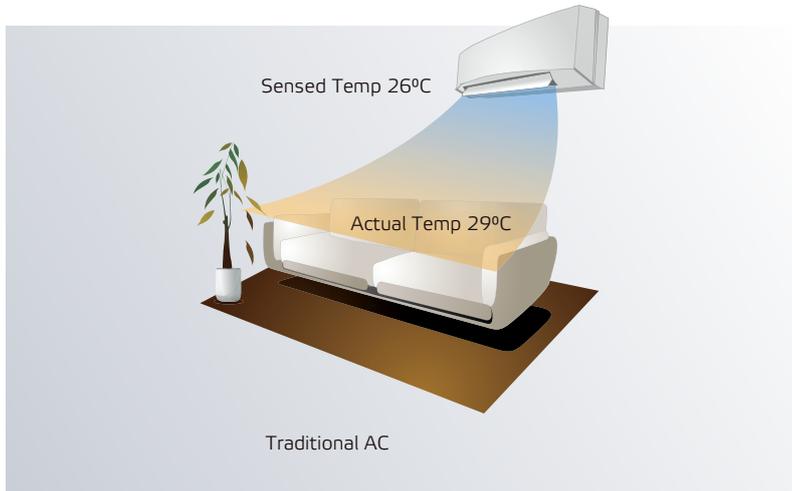
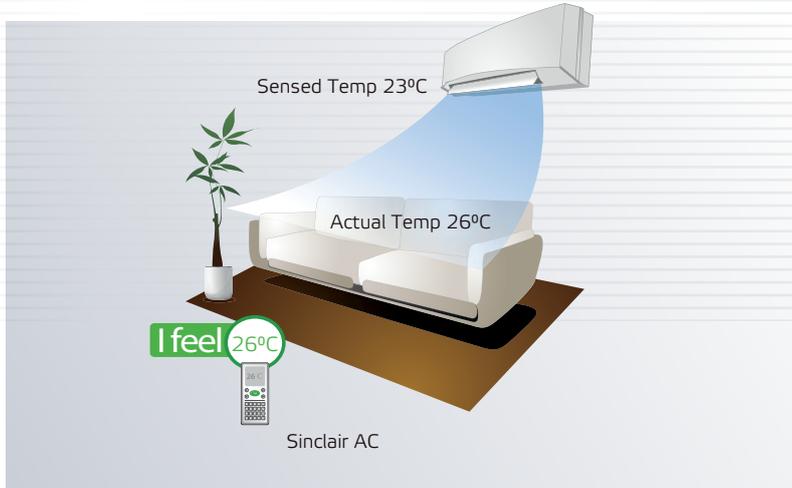
Evaporator temperature remains at 0-55 °C for 10 min



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.



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
-  Refrigerant
-  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
-  Fresh air ventilation
-  Optional health filters
-  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 CO₂ 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.



SPECTRUM PLUS SERIES



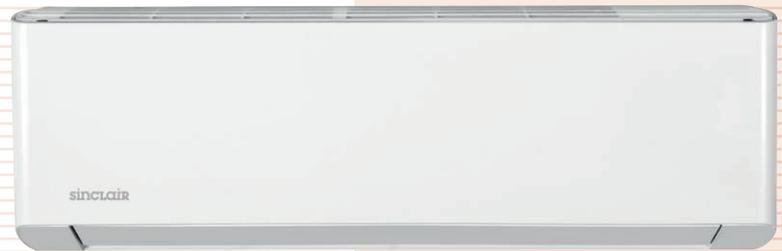
WALL MOUNTED SPLIT AIR CONDITIONERS

SPECTRUM PLUS SERIES

ECOLOGICAL REFRIGERANT 

FEATURES

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



STANDARD ACCESSORIES

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



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-02, SWC-04
- Central controller SCC-36
- Alarm interface SAI-01
- MODBUS control possibility via SWC-02 or SWC-04

DC INVERTER **PLASMA+TEC** 



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 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	50 / 46 / 43 / 39 / 37 / 35 / 27
	OD	dB(A)	53	54	56	58
Dimension (w x h x d) / Net weight	ID	mm/kg	996 x 301 x 225 / 13,0	996 x 301 x 225 / 13,5	1101 x 327 x 249 / 16,5	1101 x 327 x 249 / 16,5
	OD	mm/kg	899 x 596 x 378 / 44,5	899 x 596 x 378 / 45,5	1003 x 790 x 427 / 62,5	1003 x 790 x 427 / 65,0
Operating temperature range - cooling / heating	°C		-18-54 / -30-24	-18-54 / -30-24	-18-52 / -30-24	-18-52 / -30-24

MARVIN SERIES



WALL MOUNTED SPLIT AIR CONDITIONERS

MARVIN SERIES



FEATURES

- Energy class A+++ / A++ - at 2,7 kW capacity
- Hidden display
- Function "I FEEL"
- Adjustable heating range 8~30 °C
- 7 speeds of fan
- UV-C air sterilization
- 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-02, SWC-04
- Central controller SCC-36
- Alarm interface SAI-01
- MODBUS control possibility via SWC-02 or SWC-04

Indoor units are compatible with Multi Variable series



SIH-09BIMx + SOH-09BIM
SIH-12BIMx + SOH-12BIM
SIH-18BIMx + SOH-18BIM
SIH-24BIMx + SOH-24BIM



DC INVERTER **PLASMA+TEC** **WiFi** **UV-C LED**



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	Phase / 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 1 m	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 x h x d) / Net weight	ID	mm/kg	837 x 293 x 200 / 9,5	837 x 293 x 200 / 9,5	993 x 311 x 222 / 12,5	993 x 311 x 222 / 13,0
	OD	mm/kg	732 x 555 x 330 / 25,0	732 x 555 x 330 / 25,5	802 x 555 x 350 / 31,5	958 x 660 x 402 / 45,0
Operating temperature range - cooling / heating	°C		-15~50 / -25~30	-15~50 / -25~30	-15~50 / -25~30	-15~50 / -25~30

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

* The remote controller can differ.

TERREL SERIES



WALL MOUNTED SPLIT AIR CONDITIONERS

TERREL SERIES

ECOLOGICAL REFRIGERANT 

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
- 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-02, SWC-04
- Central controller SCC-36
- Alarm interface SAI-01
- MODBUS control possibility via SWC-02 or SWC-04

Indoor units are compatible with Multi Variable series



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



DC INVERTER **PLASMA+TEC** 



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	Phase / 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 1 m	ID	dB(A)	38 / 36 / 34 / 31 / 29 / 27 / 25	42 / 38 / 35 / 32 / 29 / 27 / 25	43 / 41 / 37 / 32 / 31	48 / 44 / 40 / 36 / 33
	OD	dB(A)	50	52	57	59
Dimension (w x h x d) / Net weight	ID	mm/kg	889 x 294 x 212 / 11,0	889 x 294 x 212 / 11,0	1013 x 307 x 221 / 13,0	1122 x 329 x 247 / 16,5
	OD	mm/kg	732 x 555 x 330 / 23,5	732 x 555 x 330 / 24,5	958 x 660 x 402 / 40,5	958 x 660 x 402 / 41,5
Operating temperature range - cooling / heating	°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

KEYON SERIES



WALL MOUNTED SPLIT AIR CONDITIONERS

KEYON SERIES

ECOLOGICAL REFRIGERANT 

FEATURES

- Energy class A++ / A+
- Hidden display
- Function "I FEEL"
- 8 °C heating
- New design of outdoor unit

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-02, SWC-04 (except SIH-09BIK)
- Central controller SCC-36 (except SIH-09BIK)
- Alarm interface SAI-01
- MODBUS control possibility via SWC-02 or SWC-04 (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

DC INVERTER **PLASMA+TEC** 



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	Phase / 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+++, -)			
Sound pressure level at 1 m	ID	dB(A)	40 / 38 / 34 / 23	41 / 36 / 32 / 23	48 / 41 / 37 / 31	48 / 44 / 40 / 35
	OD	dB(A)	51	52	53	58
Dimension (w x h x d) / Net weight	ID	mm/kg	770x251x190 / 8,0	849 x 289 x 215 / 10,5	972 x 300 x 225 / 13,5	1081 x 325 x 248 / 16,5
	OD	mm/kg	732 x 555 x 330 / 24,5	732 x 555 x 330 / 25,0	732 x 550 x 330 / 26,5	873 x 555 x 376 / 36,5
Operating temperature range - cooling / heating	°C		-15-43 / -15-24	-15-43 / -15-24	-15-43 / -15-24	-15-43 / -15-24

WALL MOUNTED SPLIT AIR CONDITIONERS

RAY SERIES

ECOLOGICAL REFRIGERANT 

FEATURES

- Energy class A++ / A+
- Hidden display
- Function "I FEEL"
- 8 °C heating
- New design of outdoor unit

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



stylish world
Sinclair

DC INVERTER **PLASMA+TEC** 



TECHNICAL PARAMETERS

MODEL			SIH-09BIR + SOH-09BIR2	SIH-12BIR + SOH-12BIR2	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	Phase / Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		6,8 / 4,2	6,1 / 4,0	6,4 / 4,0	6,8 / 4,0
Energy class cooling / heating (A, W, C)	-		A++ / (A+, A+++, -)			
Sound pressure level at 1 m	ID	dB(A)	40/38/34/23	41/37/33/26	48/42/38/31	48/45/37/30
	OD	dB(A)	51	52	55	57
Dimension (w x h x d) / Net weight	ID	mm/kg	773x250x185 / 8,5	773 x 250 x 185 / 8,5	970 x 300 x 225 / 13,0	970 x 300 x 225 / 13,5
	OD	mm/kg	732 x 555 x 330 / 24,5	732 x 555 x 330 / 25,0	732 x 555 x 330 / 26,5	873 x 555 x 376 / 36,5
Operating temperature range - cooling / heating	°C		-15-43 / -15-24	-15-43 / -15-24	-15-43 / -15-24	-15-43 / -15-24

RAY SERIES



A woman with dark hair pulled back, wearing a white shirt with thin yellow vertical stripes, is smiling warmly at a man. The man, in the background, is wearing a light blue dress shirt and a gold tie, and is also smiling. They are seated at a table in what appears to be a cafe or restaurant. On the table, there is a white coffee cup on a saucer, a glass of water, and a fork on a napkin. The scene is brightly lit, suggesting an indoor setting with large windows. A red banner with white text is overlaid on the top right of the image.

CONSOLE SERIES

CONSOLE SPLIT AIR CONDITIONER

CONSOLE SERIES

ECOLOGICAL REFRIGERANT 

FEATURES

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

STANDARD ACCESSORIES

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

OPTIONAL ACCESSORIES

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



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



DC INVERTER **PLASMA+TEC** 



TECHNICAL PARAMETERS

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

MULTI VARIABLE SERIES



MULTI VARIABLE DC INVERTER 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

OPTIONAL ACCESSORIES

- Health filters
- GSM module G2S-T
- BACNET gateway SBG-01
- Wired controller SWC-02, SWC-04
- Central controller SCC-36



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



DC INVERTER



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	Phase / 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 1 m	dB(A)	52	54	58	58
Dimension (w x h x d) / Net weight	mm/kg	822 x 550 x 352 / 30,0	822 x 550 x 352 / 32,0	964 x 660 x 402 / 47,5	964 x 660 x 402 / 47,5
Operating temperature range - cooling / heating	°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	Phase / 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 1 m	dB(A)	58	60	60	
Dimension (w x h x d) / Net weight	mm/kg	964 x 660 x 402 / 51,0	1020 x 826 x 427 / 72,0	1020 x 826 x 427 / 73,0	
Operating temperature range - cooling / heating	°C	-15-43 / -22-24	-15-43 / -22-24	-15-43 / -22-24	

INDOOR WALL MOUNTED UNITS

MULTI VARIABLE SERIES

ECOLOGICAL REFRIGERANT R32



SIH-xxBIMx

MARVIN SERIES

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 unit power supplied				
Sound pressure level at 1 m	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 x h x d) / Net weight	mm/kg	837 x 293 x 200 / 9,5	837 x 293 x 200 / 9,5	993 x 311 x 222 / 12,5	993 x 311 x 222 / 13,0	



SIH-xxBIK

KEYON SERIES

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 unit power supplied				
Sound pressure level at 1 m	dB(A)	39/37/33/22	40/38/34/23	41 / 36 / 32 / 23	48 / 41 / 34 / 31	47/44/38/35
Dimension (w x h x d) / Net weight	mm/kg	696x251x190 / 7,5	770x251x190 / 8,5	849x289x215 / 10,5	972x300x225 / 13,5	1081x325x248 / 16,5

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

PLASMA+TEC



INDOOR WALL MOUNTED UNITS

MULTI VARIABLE SERIES

ECOLOGICAL REFRIGERANT 



SIH-xxBITx

TERREL SERIES



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 unit power supplied				
Sound pressure level at 1 m	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 x h x d) / Net weight	mm/kg	889 x 294 x 212 / 11,0	889 x 294 x 212 / 11,0	1013 x 307 x 221 / 13,5	1122 x 329 x 247 / 17,5	



SIH-xxBIR

RAY SERIES



MODEL RAY		SIH-09BIR	SIH-12BIR	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 unit power supplied				
Sound pressure level at 1 m	dB(A)	40/38/34/23	41/37/33/26	44/42/38/31	48/45/37/30	
Dimension (w x h x d) / Net weight	mm/kg	773x250x185 / 8,5	773 x 250 x 185 / 8,5	970 x 300 x 225 / 13,0	970 x 300 x 225 / 13,5	

PLASMA+TEC



INDOOR UNITS

MULTI VARIABLE SERIES

ECOLOGICAL REFRIGERANT R32

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



MV-PxxBI

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 unit power supplied	Outdoor unit power supplied	Outdoor unit power supplied	
Sound pressure level at 1 m	dB(A)	39 / 36 / 34 / 32 / 30 / 26 / 22	44 / 40 / 38 / 36 / 34 / 31 / 25	47 / 45 / 42 / 40 / 37 / 35 / 31	
Dimension (w x h x d) / Net weight	mm/kg	700 x 600 x 215 / 15,5	700 x 600 x 215 / 15,5	700 x 600 x 215 / 15,5	

FLOOR CEILING UNITS

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



MV-FxxBI

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 unit power supplied			
Sound pressure level at 1 m	dB(A)	38 / 35 / 30 / 26	38 / 35 / 30 / 26	38 / 35 / 30 / 26	38 / 35 / 30 / 26
Dimension (w x h x d) / Net weight	mm/kg	870 x 665 x 235 / 25,0	870 x 665 x 235 / 25,0	870 x 665 x 235 / 25,5	1200 x 665 x 235 / 33,0



INDOOR UNITS

MULTI VARIABLE SERIES

ECOLOGICAL REFRIGERANT 

4-WAY CASSETTE UNITS

- Built in water pump
- Decorative panel in standard
- Remote controller
- Fresh air supply
- Dry door contact
- SWC-04 wired controller with integrated WiFi and MODBUS as optional accessories
- MODBUS and BACNET control possibility via optional accessories



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 unit power supplied	Outdoor unit power supplied	Outdoor unit power supplied	
Sound pressure level at 1 m	dB(A)	41 / 36 / 32 / 28	43 / 36 / 32 / 28	46 / 42 / 39 / 37	
Dimension (w x h x d) / Net weight	mm/kg	570 x 570 x 265 / 17,0	570 x 570 x 265 / 17,0	840 x 840 x 240 / 29,0	

DUCT UNITS

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



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 unit power supplied			
Sound pressure level at 1 m	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 x h x d) / Net weight	mm/kg	710 x 200 x 450 / 18,5	710 x 200 x 450 / 19,0	1010 x 200 x 450 / 25,0	900 x 260 x 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 unit power supplied			
Sound pressure level at 1 m	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 x h x d) / Net weight	mm/kg	710 x 200 x 450 / 18,5	710 x 200 x 450 / 19,0	1010 x 200 x 450 / 25,0	900 x 260 x 655 / 31,0



UNI SPLIT 2 SERIES



OUTDOOR UNITS

UNI SPLIT 2 SERIES

ECOLOGICAL REFRIGERANT 

New generation of 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.

FEATURES

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



NEW

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

DC INVERTER



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	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Sound pressure level at 1 m	dB(A)	48	52	55	57	
Dimension (w x h x d) / Net weight	mm/kg	675 x 553 x 285 / 24,5	745 x 555 x 300 / 30,5	889 x 660 x 340 / 41,5	889 x 660 x 340 / 46,0	
Operating temperature range - cooling / heating	°C	-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	Phase / Hz / V	1~ / 50 / 220-240	3~ / 50 / 380-415	1~ / 50 / 220-240	3~ / 50 / 380-415	
Sound pressure level at 1 m	dB(A)	57	57	58	58	
Dimension (w x h x d) / Net weight	mm/kg	940 x 820 x 530 / 65,0	940 x 820 x 370 / 75,0	940 x 820 x 370 / 66,0	940 x 820 x 370 / 76,0	
Operating temperature range - cooling / heating	°C	-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	Phase / Hz / V	1~ / 50 / 220-240	3~ / 50 / 380-415	3~ / 50 / 380-415		
Sound pressure level at 1 m	dB(A)	59	59	60		
Dimension (w x h x d) / Net weight	mm/kg	940 x 820 x 370 / 73,0	940 x 820 x 370 / 81,0	990 x 960 x 370 / 94,0		
Operating temperature range - cooling / heating	°C	-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24		

UNI SPLIT 2 SERIES



INDOOR UNITS

UNI SPLIT 2 SERIES

ECOLOGICAL REFRIGERANT 

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 °C heating
- Lower temperature dehumidifying (12 °C indoor temperature)
- MODBUS and BACNET control possibility via optional accessories



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



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	Phase / Hz / V	Outdoor unit power supplied			
SEER / SCOP	-	7,1 / 4,2	7,2 / 4,3	6,7 / 4,3	6,9 / 4,3
Energy class cooling/ heating (Average)	-	A++ / A+	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	47 / 46 / 42 / 38
Dimension (w x h x d) / Net weight	ID	570x260x570 / 16,5	570x260x570 / 16,5	840x200x840 / 21,0	840x200x840 / 21,0
	panel	620x47,5x620 / 3,0	620x47,5x620 / 3,0	950x52x950 / 6,0	950x52x950 / 6,0
Operating temperature range - cooling / heating	°C	-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	Phase / Hz / V	Outdoor unit power supplied			
SEER / SCOP	-	6,6 / 4,4	6,1 / 3,8	6,1 / 4,0	6,1 / 3,8
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1 m	dB(A)	43 / 41 / 39 / 38	48 / 46 / 43 / 39	50 / 48 / 45 / 41	52 / 50 / 48 / 44
Dimension (w x h x d) / Net weight	ID	840x240x840 / 23,0	840x240x840 / 23,0	840x290x840 / 25,0	840x290x840 / 26,0
	panel	950x52x950 / 6,0	950x52x950 / 6,0	950x52x950 / 6,0	950x52x950 / 6,0
Operating temperature range - cooling / heating	°C	-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

INDOOR UNITS

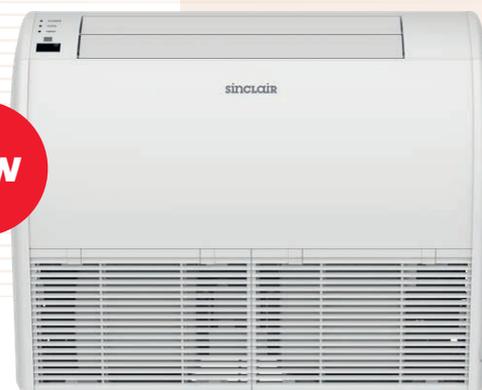
UNI SPLIT 2 SERIES

ECOLOGICAL REFRIGERANT **R32**

FLOOR-CEILING UNITS

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

NEW



WIFI
READY

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

comfort world
Sinclair



TECHNICAL PARAMETERS

MODEL		ASF-12BI2	ASF-18BI2	ASF-24BI2	ASF-30BI2
Capacity cooling / heating	kW	3,5 / 4,0	5,0 / 5,5	7,0 / 8,0	8,5 / 8,8
Power supply	Phase / Hz / V	Outdoor unit power supplied			
SEER / SCOP	-	6,7 / 4,0	6,1 / 4,0	6,8 / 3,9	6,1 / 4,0
Energy class cooling/ heating (Average)	-	A++ / A+	A++ / A+	A++ / A	A++ / A+
Sound pressure level at 1 m	ID dB(A)	39 / 36 / 32 / 28	44 / 42 / 39 / 36	45 / 44 / 41 / 38	49 / 47 / 45 / 43
Dimension (w x h x d) / Net weight	ID mm/kg	870x665x235 / 25,0	870x665x235 / 26,0	1200x665x235 / 31,0	1200x665x235 / 31,0
Operating temperature range - cooling / heating	°C	-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 / 12,0	12,1 / 13,5	13,4 / 15,5	16,0 / 17,0
Power supply	Phase / Hz / V	Outdoor unit power supplied			
SEER / SCOP	-	6,1 / 4,0	6,1 / 3,8	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 1 m	ID dB(A)	49 / 47 / 45 / 43	49 / 47 / 44 / 42	52 / 50 / 48 / 44	54 / 53 / 49 / 45
Dimension (w x h x d) / Net weight	ID mm/kg	1200x665x235 / 32,0	1570x665x235 / 40,0	1570x665x235 / 42,0	1570x665x235 / 42,0
Operating temperature range - cooling / heating	°C	-20~52 / -20~24	-20~52 / -20~24	-20~52 / -20~24	-20~52 / -20~24

INDOOR UNITS

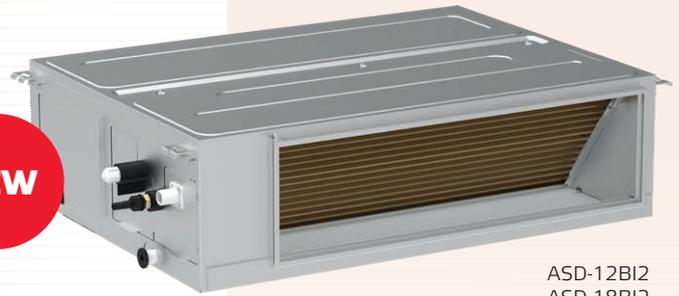
UNI SPLIT 2 SERIES

ECOLOGICAL REFRIGERANT 

DUCT UNITS

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

NEW



WIFI READY

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



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	Phase / Hz / V		Outdoor unit power supplied			
SEER / SCOP	-		6,5 / 4,0	6,3 / 4,0	6,6 / 4,1	6,4 / 4,1
Energy class cooling/ heating (Aaverage)	-		A++ / A+	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	43/41/39/37
Dimension (w x h x d) / Net weight	ID	mm/kg	700 x 450 x 200 / 18,0	1000 x 450 x 200 / 24,0	900 x 655 x 260 / 29,5	900 x 655 x 260 / 29,5
Operating temperature range - cooling / heating	°C		-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	Phase / Hz / V		Outdoor unit power supplied			
SEER / SCOP	-		6,4 / 4,2	6,1 / 4,1	6,1 / 4,0	6,1 / 4,0
Energy class cooling/ heating (Aaverage)	-		A++ / A+	A++ / A+	A++ / A+	A++ / A+
Sound pressure level at 1 m	ID	dB(A)	39 / 38 / 37 / 36	43 / 42 / 41 / 40	43 / 42 / 40 / 38	46 / 44 / 42 / 40
Dimension (w x h x d) / Net weight	ID	mm/kg	1340 x 655 x 260 / 43,0	1340 x 655 x 260 / 43,0	1400 x 700 x 300 / 52,0	1400 x 700 x 300 / 55,0
Operating temperature range - cooling / heating	°C		-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24	-20-52 / -20-24

OUTDOOR UNITS

UNI SPLIT SERIES

ECOLOGICAL REFRIGERANT 

FEATURES

- Split systems with capacity of 3,5 ~ 16 kW
- Compatible with indoor units ASC-xxBI, ASD-xxBI, ASF-xxBI, ASH-24BI and ASH-36BI
- Compatible with SCMI-01.4 communication module - can be used as separate condensing unit
- Optional bottom chassis heater

SCMI COMMUNICATION MODULE

- Set temperature range from -10 °C (cooling) up to +55 °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 (English, German, Polish, Hungarian, Croatian, Czech)
- Pre-setting of all parameters via USB Communicator software
- DIN rail compatible – 4M wide, installation in power distribution unit



SCMI-01.4 COMMUNICATION MODULE

- ASGE-12BI
- ASGE-24BI
- ASGE-30BI
- ASGE-36BI
- ASGE-36BI-3
- ASGE-42BI
- ASGE-42BI-3
- ASGE-48BI
- ASGE-48BI-3
- ASGE-60BI-3

DC INVERTER



TECHNICAL PARAMETERS

MODEL		ASGE-12BI	ASGE-24BI	ASGE-30BI	ASGE-36BI
Capacity cooling / heating	kW	3,5 / 4,0	7,0 / 8,0	8,5 / 8,8	10,0 / 12,0
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / COP	-	6,1 / 4,0	7,2 / 3,9	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 1 m	dB(A)	50	52	53	55
Dimension (w x h x d) / Net weight	mm/kg	818x596x378 / 37,0	892x698x396 / 53,0	920x790x427 / 60,0	940x820x530 / 83,0
Operating temperature range - cooling / heating	°C	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24

MODEL		ASGE-36BI-3	ASGE-42BI	ASGE-42BI-3	ASGE-48BI
Capacity cooling / heating	kW	10,0 / 12,0	12,1 / 13,5	12,1 / 13,5	13,4 / 15,5
Power supply	Phase / Hz / V	3~ / 50 / 380-415	1~ / 50 / 220-240	3~ / 50 / 380-415	1~ / 50 / 220-240
SEER / COP	-	6,1 / 4,0	6,1 / 3,8	6,1 / 3,8	6,1 / 4,0
Energy class cooling/heating (Average)	-	A++ / A+	A++ / A	A++ / A	A++ / A+
Sound pressure level at 1 m	dB(A)	55	56	56	57
Dimension (w x h x d) / Net weight	mm/kg	940x820x530 / 89,0	940x820x530 / 95,0	940x820x530 / 95,0	940x820x530 / 99,0
Operating temperature range - cooling / heating	°C	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24

MODEL		ASGE-48BI-3	ASGE-60BI-3		
Capacity cooling / heating	kW	13,4 / 15,5	16,0 / 17,0		
Power supply	Phase / Hz / V	3~ / 50 / 380-415	3~ / 50 / 380-415		
SEER / COP	-	6,1 / 4,0	6,1 / 3,8		
Energy class cooling/heating (Average)	-	A++ / A+	A++ / A		
Sound pressure level at 1 m	dB(A)	57	57		
Dimension (w x h x d) / Net weight	mm/kg	940x820x530 / 99,0	900x1345x412 / 112,0		
Operating temperature range - cooling / heating	°C	-20-48 / -20-24	-20-48 / -20-24		

UNI SPLIT SERIES



TOWER SERIES



SPLIT AIR CONDITIONER TOWER SERIES

ECOLOGICAL REFRIGERANT 

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 (in standard)



AST-24BI
AST-48BI

DC INVERTER 



TECHNICAL PARAMETERS

MODEL			AST-24BI	AST-48BI	
Capacity cooling / heating	kW		7,2 / 7,9	12,5 / 13,5	
Power supply	Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER/ SCOP	-		6,1 / 4,0	5,6 / 3,7	
Energy class cooling/ heating (Average)			A+++ / A+	A+ / A	
Sound pressure level at 1 m	ID	dB(A)	45 / 41 / 38 / 35/	53 / 51 / 50 / 48	
	OD	dB(A)	61	64	
Dimension (w x h x d) / Net weight	ID	mm/kg	507 x 1770 x 320 / 38,0	587 x 1882 x 394 / 55,0	
	OD	mm/kg	965 x 700 x 396 / 53,5	1028 x 822 x 530 / 89,0	
Operating temperature range - cooling / heating	°C		-15 ~ 43 / -15 ~ 24	-15 ~ 43 / -15 ~ 24	

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

DC INVERTER



TECHNICAL PARAMETERS

MODEL		ASW-09BI	ASW-12BI	
Capacity cooling / heating	kW	2,7	3,7	
Power supply	Phase / Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER	-	5,2	5,4	
Energy class cooling	-	A	A	
Sound pressure level at 1 m	ID	50 / 48 / 46	50 / 48 / 46	
	OD	56 / 54 / 52	58 / 56 / 54	
Dimension (w x h x d) / Net weight	mm/kg	560 x 375 x 710 / 43,0	660 x 428 x 700 / 50,0	
Operating temperature range - cooling	°C	16 ~ 43	16 ~ 43	

A woman with brown hair and blue eyes is smiling and looking upwards while seated in a blue dental chair. She is wearing a light blue protective drape. In the background, a dental professional in a blue scrub top is visible, with their hands near the chair. The scene is set in a clinical dental office. A red banner with white text is overlaid at the top of the image.

MONOBLOCK SERIES

MONOBLOCK AIR CONDITIONERS

MONOBLOCK SERIES

R290
NATURAL
REFRIGERANT

FEATURES

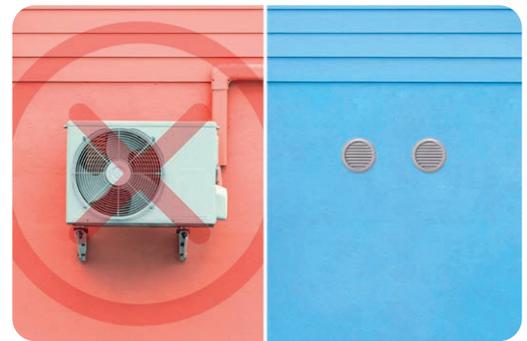
- New concept of monoblock air conditioner
- 4 in 1 Function including Cooling/Heating/Fan/Dehumidifying
- Installation without outdoor unit: Unique and easy solution for applications without possibility of outdoor units - historical conservation areas, renting apartments, etc.
- DC Inverter Technology
- 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



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

DC INVERTER  **WiFi**



TECHNICAL PARAMETERS

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

CAMPER TRAILER SERIES



MONOBLOCK AIR CONDITIONERS

CAMPER TRAILER SERIES

ECOLOGICAL REFRIGERANT 

FEATURES

- Operating temperature -5~46 °C
- For roofs with a thickness of 30-80 mm
- Power supply 220-240 V/50 Hz/1Ph
- WiFi
- Ultraslim design of indoor unit
- 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 UNIT ULTRASLIM AND INNOVATIVE DESIGN



ASV-25BS
ASV-35BS



quiet world
Sinclair



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 1 m	ID	dB(A)	53 / 47 / 42	54 / 48 / 43	
	OD	dB(A)	53	54	
Dimension (w x h x d) / Net weight	ID	mm/kg	610 x 49 x 485 / 2,7	610 x 49 x 485 / 2,7	
	OD	mm/kg	1077 x 283 x 720 / 35,0	1077 x 283 x 720 / 35,0	
Operating temperature range - cooling / heating	°C		18 ~ 46 / - 5 ~ 24	18 ~ 46 / - 5 ~ 24	

A person is seen from behind, looking out from a white boat towards a rocky coastline. The water is a vibrant turquoise color. The boat's deck and rigging are visible in the foreground. The background features a high, layered rock face. A red banner with white text is positioned in the upper right corner.

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 °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



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



WIRED AND REMOTE
CONTROLLER AS
STANDARD



ASB-24A

fresh world
Sinclair



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 x h x d) / Net weight	ID	mm/kg	285 x 408 x 295 / 25,5	380 x 408 x 310 / 28,0	380 x 420 x 330 / 33,0
Operating temperature range - cooling / heating	°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 x h x d) / Net weight	ID	mm/kg	450 x 465 x 330 / 37,5	595 x 529 x 386 / 60,0
Operating temperature range - cooling / heating	°C		16~43 / -10~30	16~43 / -10~30

PORTABLE DEVICES

LOCAL AIR CONDITIONERS

R290
NATURAL
REFRIGERANT

FEATURES

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

STANDARD ACCESSORIES

- AMC-WINK window kit

OPTIONAL ACCESSORIES

- AMC-WK wall kit - Enables to attach the discharge hose to a wall. Hot air is discharged outside through hole. The kit includes inner and outer outlet and a cover.
- WK-400A window kit - For installation to half open window. Hot air discharge is secured thanks to fixed hose and the cloth prevents hot air from entering the room. Also for roof windows with hinges on shorter side. Total length is 4,0 m. Set includes velcro for installation.
- AK-15A control module - Enables to place the air conditioners outside the room.

AMC-11P
AMC-14P



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 / topeni			A / A++	A / A++	
Sound pressure level at 1 m	ID	dB(A)	56	56	
Dimension (w x h x d) / Net weight	ID	mm/kg	300 x 760 x 532 / 28,5	300 x 760 x 532 / 30,6	
Operating temperature range - cooling / heating	°C		17-32 / 7-25	17-32 / 7-25	

LOCAL AIR CONDITIONERS



MOBILE DEHUMIDIFIERS



PORTABLE DEVICES

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-years warranty

CFO-16P
CFO-18P



CFO-20P

CFO-40P



TECHNICAL PARAMETERS

MODEL		CFO-16P	CFO-18P	CFO-20P	CFO-40P
Dehumidifying volume	l/day	16,0	18,0	20,0	40,0
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Power input / Max. power input	W	220 / 245	250 / 380	360 / 450	670 / 900
Rated current	A	1,1	1,6	2,1	4
Sound pressure level at 1 m	dB(A)	41 / 38	43 / 41	43 / 41 / 39	48 / 45 / 42
Water tank volume	l	2,5	2,5	3,5	6,5
Optimal room size	m ²	20	22	28	40
Dimension (w x h x d)/Net weight	mm/kg	305 x 490 x 192 / 10,5	305 x 490 x 192 / 10,7	363 x 577 x 245 / 15,5	396 x 625 x 286 / 22,5
Operating temperature range	°C	5 ~ 32	5 ~ 32	5 ~ 32	5 ~ 32

UV AIR PURIFIER

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 2000 h

STANDARD ACCESSORIES

- HEPA filter
- Active carbon filter
- Cotton filter

OPTIONAL ACCESSORIES

- SPF-75 replacement dust filters



SP-75UV

-  Stop Virus
-  Stop Bacteria
-  Stop Mold
-  Stop Allergens
-  Stop Dust
-  Stop Smoke

UV-C LED



TECHNICAL PARAMETERS

MODEL		SP-75UV		
Optimal room size	m ²	75		
Power supply	Phase / Hz / V	1~ / 50 / 220-240		
Cleaning volume (CADR)	m ³ / h	600		
Sound pressure level at 1 m	dB(A)	22-57 (max)		
Dimension (w x h x d) / Net weight	mm / kg	320 x 745 x 320 / 9,7		
Operating temperature range	°C	0-40		

AIR PURIFIER

FEATURES

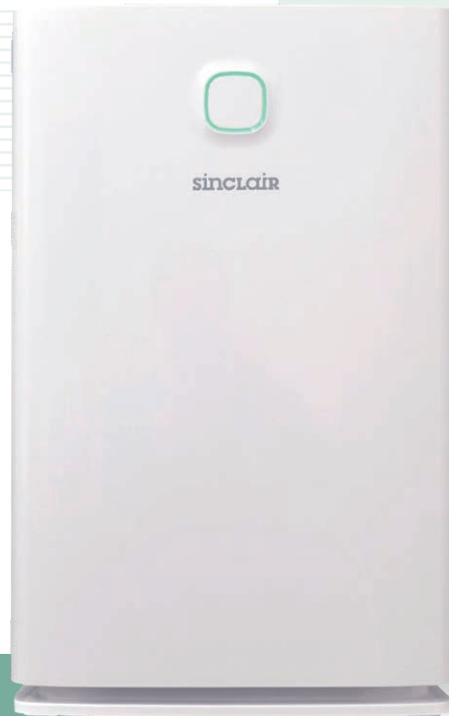
- Anion generator
- Auto detecting of air quality
- Multiple filtration system
- HEPA and carbon filter
- Ultrasilent mode
- Low power consumption
- Timer
- 2-year warranty
- Filter lifespan up to 2000 h

STANDARD ACCESSORIES

- HEPA filter
- Active carbon filter
- Cotton filter

OPTIONAL ACCESSORIES

- SPF-45N dust filter set



SP-45AN

healthy world
Sinclair



TECHNICAL PARAMETERS

MODEL		SP-45AN		
Optimal room size	m ²	10 - 45		
Power supply	Phase / Hz / V	1~ / 50 / 220-240		
Cleaning volume (CADR)	m ³ / h	340		
Sound pressure level at 1 m	dB(A)	19 - 51		
Dimension (w x h x d) / Net weight	mm / kg	374 x 594 x 201 / 6,8		
Operating temperature range	°C	0-40		



friendly world
Sinclair



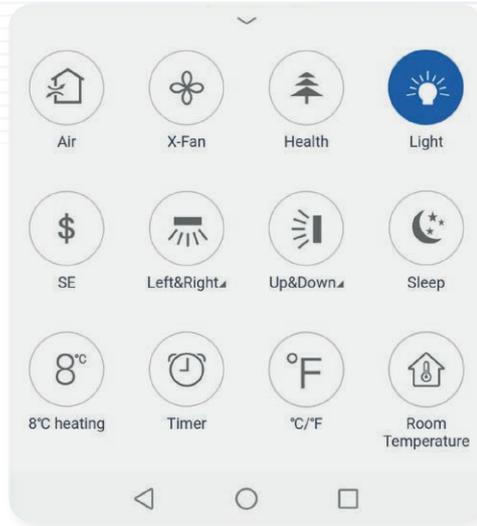
ACCESSORIES

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.



WIRED CONTROLLERS

SWC-02

SWC-02 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)

SWC-04

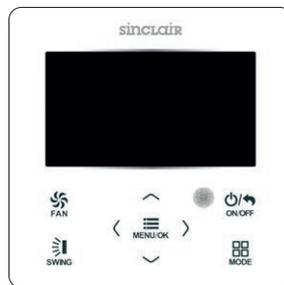
For Multi Variable indoor units, SIH wall mounted units and console series. The controllers allows Wifi control even at units without such function - cassette, duct and floor-ceiling.

- Wifi module inside
- Address setting for central/long distance control
- Child lock
- Auto restart
- MODBUS gateway

SWC-05 / SWC-05W

For units of UNI SPLIT 2 series

- Address setting for central/long distance control
- Unit's status and error display
- Child lock
- SWC-05W is equipped with WiFi module - enables WiFi function for UNI SPLIT 2 series.



SWC-02



SWC-04



SWC-05W



CENTRAL CONTROLLER AND WEEKLY TIMER SCC-36

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

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



CONTROL MODULE SCMI-03S

Control module for Air Conditioners in Server rooms.

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



BACNET GATEWAY SBG-01

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



ACCESSORIES

ALARM INTERFACE SAI-01

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



DIAGNOSTIC TOOL SDT-RAC

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



MODULE G2S-T

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



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

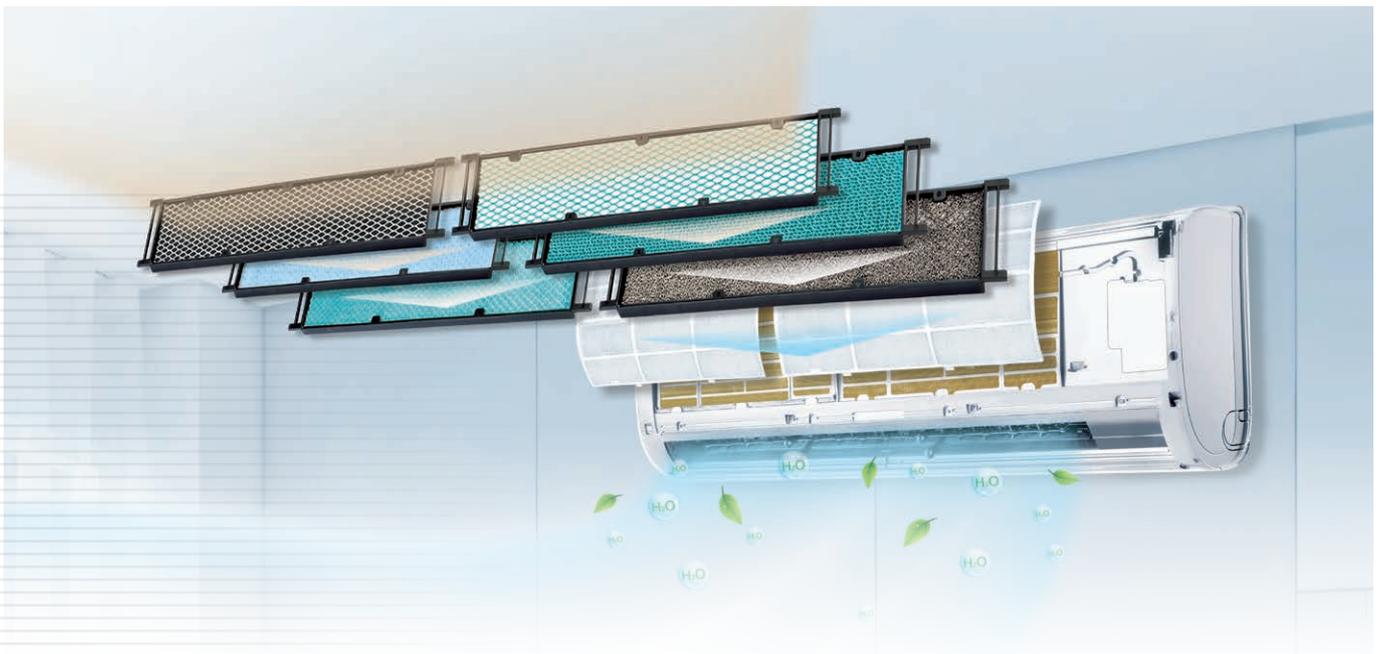
This filter is made of a material with excellent capabilities of sterilizing and capture of dust. When air flows through the filter, dust and bacteria are retained on the filter surface, which is bio-bactericidal. In case of attachment of microbes, bio-bactericidal surface disrupts its metabolism and 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 - 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 %

see you
in Sinclair world...

This catalogue is informative only and does not constitute a binding offer from the side of SINCLAIR CORPORATION LTD.

Company accepts no responsibility for any loss or damage arising from variations in the description in its catalogues or other documents.

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.

The contents of this catalogue is protected by copyright of SINCLAIR CORPORATION LTD.

The reproduction of information or data, in particular the use of texts, text excerpts or images, requires the prior written approval of the Company.



Distributed by:

