**RESIDENTIAL
AIR CONDITIONING
2020-2021**

SINCLAIR
AIR CONDITIONING

With Sinclair air-conditioners, you can easily enjoy homely comfort and pleasant atmosphere in all types of residential living. Sinclair offers wide range of capacities, types and designs. Even for complex projects, we can find easy and comfortable solutions - e.g. MULTI VARIABLE SERIES with energy-saving technology DC INVERTER.

From the very beginning Sinclair has set its main target to bring quality and comfort to the life of people of the Blue Planet. Thanks to the attention paid to research, development, manufacturing and product testing as well as to the after sales support, Sinclair has reached a high level of quality and reliability.

Sinclair products are in conformity with European standards, which guarantee safe operation.

GLOBAL WEB PAGE

WWW.SINCLAIR-WORLD.COM

ON THE GLOBAL WEBSITES, YOU WILL FIND BASIC INFORMATION ABOUT OUR ASSORTMENT.
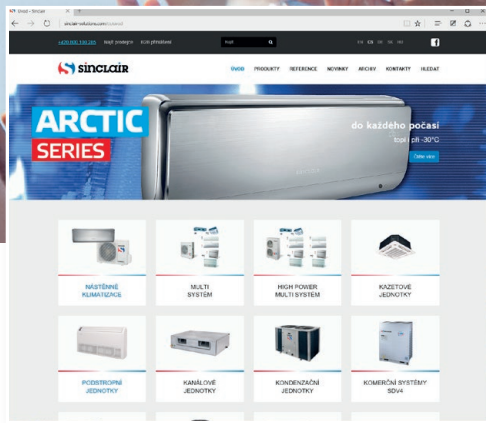
PRODUCT WEB PAGE

WWW.SINCLAIR-SOLUTIONS.COM

THESE WEBSITES ARE AIMED AT PARTNER COMPANIES WHO CAN DOWNLOAD THERE ALL THE DOCUMENTS (USER MANUALS, DECLARATIONS OF CONFORMITY ETC.) AND AFTER SIGNING INTO THE PARTNER (B2B) SECTION, YOU CAN UPLOAD THE TECHNICAL DOCUMENTATION AS WELL.

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 and becoming heavier then fall to the floor. These larger particles are also returned through the air conditioning system where they are captured by the filter.

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.

DC INVERTER

Standard air conditioners have a fixed speed compressor and therefore have no ability to reduce the power consumption as they are not able to vary the load. With a DC Inverter Drive, the unit can work on a partial load thereby reduces the power consumption not only on start up but also on running costs.

With the DC Inverter technology the temperature does not fluctuate and therefore provides more comfort. Energy consuption can be reduced by as much as 44% compared to fixed speed compressors.

OPTIONAL FILTERS

These optional filters can be used only with wall mounted split units and console units. For availability, please, contact manufacturer.

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 sulphyde 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 TiO_2 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.
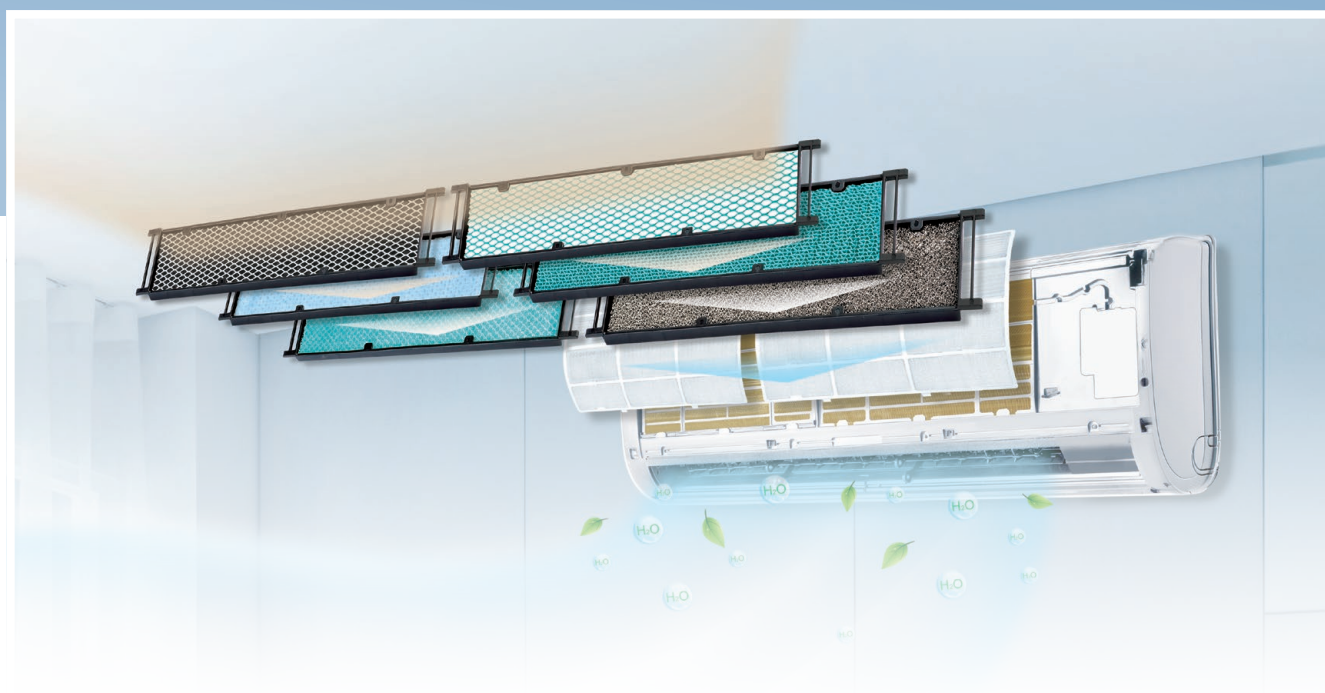
BIOLOGICAL ANTI-BACTERIA FILTER SAF-OPWB

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.
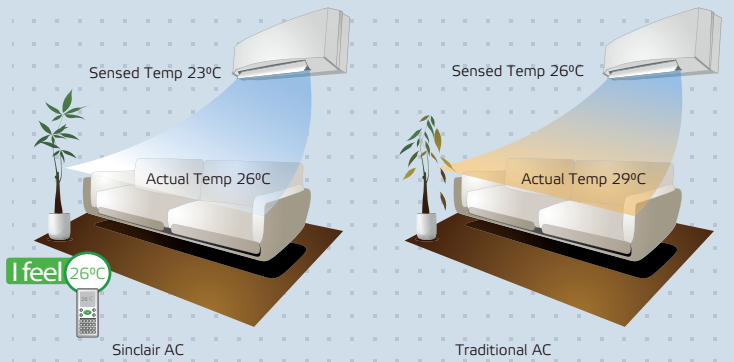
I FEEL

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

Sensed Temp 26ºC

Actual Temp 26ºC

Actual Temp 29ºC

I feel 26ºC

Sinclair AC

Traditional AC

LOW AMBIENT TEMPERATURE FUNCTION

-18 ºC COOLING

Cooling at -18 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.

8℃ heating

-20℃

-15℃
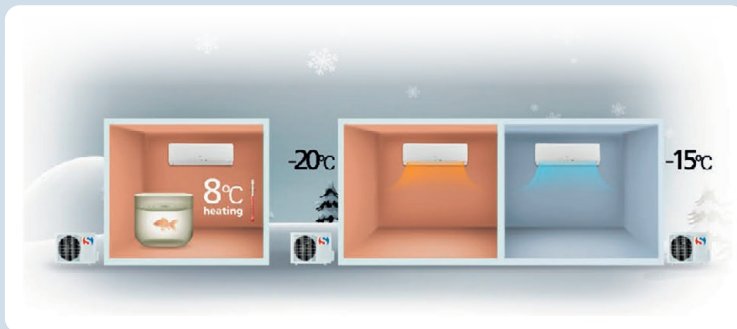
COLD AIR PREVENTION

The copper pipe will be heated in advance, so the air will not be flowed out before it reaches the set temperature.
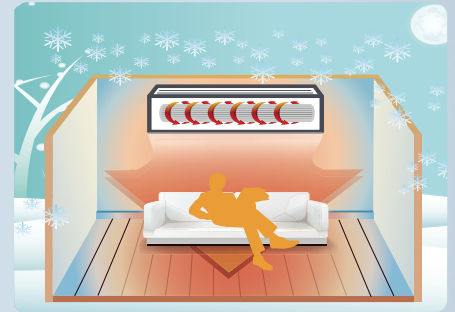
COMFORTABLE SLEEP MODE

MODE 1: Indoor temperature automatically rises (when cooling) or drops (when heating).
MODE 2: Featuring unique refreshment function, the temperature is automatically adjusted to be a little lower before you wake up.
MODE 3: You may design your own sleep curve under DIY mode.

Temperature   Sleep Curve for Cooling

Time

Temperature

Sleep Curve for Heating

Time

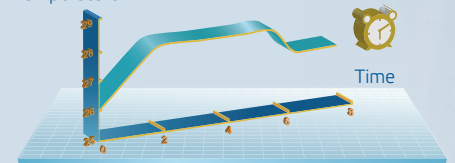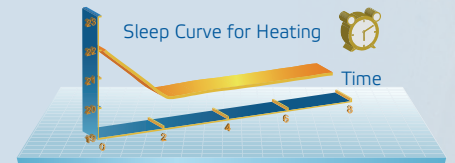|			
Blue Fin	Anticorrosion treatment of exchangers	**AUTO**	Automatic operation
R32	Refrigerant		Compact design
	Flexible adjusting lamels	**Auto⁺**	Auto clean
LED	Diagnostic LED display		Comfortable sleep mode
Turbo	"TURBO" button		Cold air prevention
	Intelligent defrosting		Self-diagnosis
	Operation in the winter time		Auto-restart function
	Silent operation		Lock
	3-D spiral fan	**8 ℃**	8 ºC heating
	24-hour timer		I feel
24:00	Clock display		7 speeds of fan
	WiFi function		Fresh air ventilation
	Dehumidifying mode		Optional health filters

Note: Check the function of a particular model of air conditioner.

C E

sinclair
AIR CONDITIONING

RAY SERIES

ECOLOGICAL REFRIGERANT R32
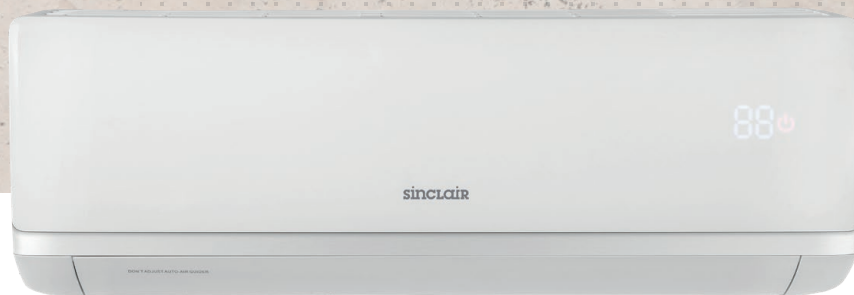
ASH-09BIR
ASH-12BIR

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

STANDARD ACCESSORIES

· Remote controller

DC INVERTER

TECHNICAL PARAMETERS

MODEL			ASH-09BIR	ASH-12BIR		
Capacity cooling / heating		kW	2,5 / 2,8	3,2 / 3,4		
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240		
SEER / SCOP		-	6,1 / 4,0	6,1 / 4,0		
Energy class cooling/ heating (A, W, C)		-	A++ / (A+, A+++, B)	A++ / (A+, A+++, B)		
Sound pressure level at 1m	ID	dB(A)	40 / 37 / 35 / 28	42 / 37 / 35 / 28		
	OD	dB(A)	52	52		
Dimension (w x h x d)/Net weight	ID	mm/kg	773 x 250 x 185 / 8,5	773 x 250 x 185 / 8,5		
	OD	mm/kg	776 x 540 x 320 / 29,5	842 x 596 x 320 / 31,0		
Operating temperature range cooling/heating		ºC	-15~43 / -15~24	-15~43 / -15~24		

ID/OD= Indoor unit/Outdoor unit; A,W,C= average,warmer,colder climate
For detailed technical parameters see technical part of catalogue. This catalogue sheet does not apply to project documentation.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (single component refrigerant HFC), GWP of refrigerant used: 675.

OPTIONAL ACCESSORIES

· Health filters
· GSM module G2S
· Alarm interface SAI-01

SINCLAIR
AIR CONDITIONING

VISION SERIES

WIFI

ECOLOGICAL REFRIGERANT R32

ASH-09BIV
ASH-12BIV
ASH-18BIV
ASH-24BIV

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

STANDARD ACCESSORIES

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

PLASMA TEC DC INVERTER

MODEL			ASH-09BIV	ASH-12BIV	ASH-18BIV	ASH-24BIV
Capacity cooling / heating		kW	2,5 / 2,8	3,2 / 3,5	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		-	6,1 / 4,0	6,1 / 4,0	6,1 / 4,0	6,1 / 4,0
Energy class cooling/ heating (A, W, C)		-	A++ / (A+, A+++, B)	A++ / (A+, A+++, –)	A++ / (A+, A+++, –)	A++ / (A+, A+++, –)
Sound pressure level at 1m	ID	dB(A)	39 / 36 / 32 / 28	42 / 37 / 34 / 28	49 / 45 / 41 / 36	48 / 44 / 40 / 34
	OD	dB(A)	52	52	54	57
Dimension (w x h x d)/Net weight	ID	mm/kg	790 x 275 x 200 / 9,0	790 x 275 x 200 / 9,0	970 x 300 x 224 / 13,5	970 x 300 x 224 / 13,5
	OD	mm/kg	782 x 540 x 320 / 29,5	848 x 596 x 320 / 31,0	848 x 596 x 320 / 34,0	963 x 700 x 396 / 46,0
Operating temperature range cooling/heating		ºC	-15~43 / -15~24	-15~43 / -15~24	-15~43 / -15~24	-15~43 / -15~24

ID/OD= Indoor unit/Outdoor unit; A,W,C= average,warmer,colder climate
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OPTIONAL ACCESSORIES

· Health filters
· GSM module G2S
· Alarm interface SAI-01

SINCLAIR
AIR CONDITIONING

FOCUS PLUS
SERIES

WIFI

ECOLOGICAL REFRIGERANT R32

ASH-09BIF2
ASH-13BIF2
ASH-18BIF2
ASH-24BIF2

· Energy class A++ / A+
· Dual side water outlet
· Hidden display
· 7 speeds of fan
· 8 ºC heating
· Horizontal and vertical guide louver swing
· Function "I FEEL"

Blue Fin Turbo AUTO R32 LED 24:00 8°C

PLASMA TEC DC INVERTER

STANDARD ACCESSORIES

· Filters - catechin SAF-OPWC4
  and biological filter SAF-OPWB4
· Cold plasma generator
· WiFi module
· Dry on/off contact
· Crankcase heater, chassis heater
· Remote controller

MODEL			ASH-09BIF2	ASH-13BIF2	ASH-18BIF2	ASH-24BIF2
Capacity cooling / heating		kW	2,7 / 2,8	3,5 / 3,7	5,2 / 5,3	7,0 / 7,4
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP		-	6,8 / 4,0	7,0 / 4,0	7,0 / 4,0	6,5 / 4,0
Energy class cooling/ heating (A, W, C)		-	A++ / (A+, A+++, B)	A++ / (A+, A+++, B)	A++ / (A+, A+++, A)	A++ / (A+, A+++, B)
Sound pressure level at 1m	ID	dB(A)	41 / 37 / 35 / 32 / 29 / 26 / 24	42 / 38 / 35 / 32 / 30 / 28 / 26	45 / 43 / 41 / 38 / 35 / 34 / 31	48 / 45 / 42 / 39 / 37 / 36 / 33
	OD	dB(A)	50	52	57	57
Dimension (w x h x d)/Net weight	ID	mm/kg	790 x 275 x 200 / 9,0	845 x 289 x 209 / 10,5	970 x 300 x 224 / 13,5	1078 x 325 x 246 / 16,5
	OD	mm/kg	782 x 540 x 320 / 27,5	848 x 596 x 320 / 31,0	963 x 700 x 396 / 45,0	963 x 700 x 396 / 53,5
Operating temperature range cooling/heating		ºC	-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24

ID/OD= Indoor unit/Outdoor unit; A,W,C= average,warmer,colder climate
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OPTIONAL ACCESSORIES

· Health filters
· GSM module G2S
· Wired controller SWC-02, XK19
· Central controller SCC-16, SCC-36
· Alarm interface SAI-01

sinclair
AIR CONDITIONING

SPECTRUM SERIES

WIFI

ECOLOGICAL REFRIGERANT R32

ASH-XXBIS/W

ASH-XXBIS/B

ASH-09BIS/W, ASH-09BIS/B
ASH-13BIS/W, ASH-13BIS/B
ASH-18BIS/W, ASH-18BIS/B
ASH-24BIS/W, ASH-24BIS/B

· Energy class A++ / A+
· Dual side water outlet
· Hidden display
· 7 speeds of fan
· Horizontal and vertical guide louver swing
· Function "I FEEL"
· 8 ⁰C heating

STANDARD ACCESSORIES

· Filters - catechin SAF-OPWC4
  and active carbon filter SAF-OPWA4
· Cold plasma generator
· WiFi module
· Crankcase heater, chassis heater
· Remote controller

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

AUTO | 8 c

PLASMA TEC DC INVERTER

TECHNICAL PARAMETERS

MODEL			ASH-09BIS/W, ASH-09BIS/B	ASH-13BIS/W, ASH-13BIS/B	ASH-18BIS/W, ASH-18BIS/B	ASH-24BIS/W, ASH-24BIS/B
Capacity cooling / heating		kW	2,7 / 3,0	3,5 / 3,8	5,3 / 5,6	7,0 / 7,2
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	8,5 / 4,4	7,6 / 4,1	7,0 / 4,0
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)	41 / 39 / 37 / 35 / 33 / 31 / 24	43 / 39 / 37 / 35 / 34 / 32 / 25	49 / 45 / 43 / 41 / 39 / 37 / 34	49 / 47 / 44 / 42 / 40 / 38 / 36
	OD	dB(A)	52	53	57	60
Dimension (w x h x d)/Net weight	ID	mm/kg	865 x 290 x 210 / 10,5	865 x 290 x 210 / 11,0	996 x 301 x 225 / 13,5	1101 x 327 x 249 / 16,5
	OD	mm/kg	848 x 596 x 320 / 33,5	848 x 596 x 320 / 33,5	965 x 700 x 396 / 45,0	963 x 700 x 396 / 53,0
Operating temperature range cooling/heating		ºC	-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24

ID/OD= Indoor unit/Outdoor unit; A,W,C= average,warmer,colder climate
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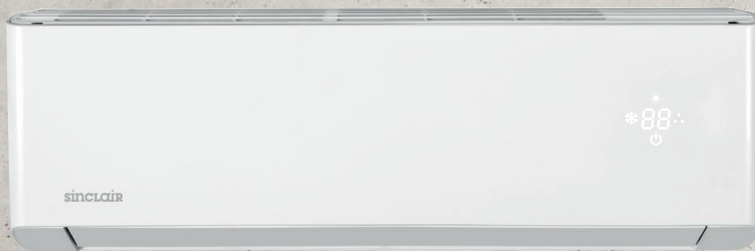
OPTIONAL ACCESSORIES

· Health filters
· GSM module G2S
· Wired controller SWC-02, XK19
· Central controller SCC-16, SCC-36
· Alarm interface SAI-01

SINCLAIR
AIR CONDITIONING

SPECTRUM PLUS
SERIES

WIFI

ECOLOGICAL REFRIGERANT **R32**

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

- Energy class A++ / A+
- Dual side water outlet
- Hidden display
- 7 speeds of fan
- 2-stage compressor
- Automatic mode with adjustable temperature
- Ajdustable heating range 8-30 ºC
- Low ambient heating -30 ºC
- Horizontal and vertical guide louver swing
- Function "I FEEL"

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

AUTO | 8℃

PLASMA TEC DC INVERTER

STANDARD ACCESSORIES

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

TECHNICAL PARAMETERS

MODEL			ASH-09BIS2/WE	ASH-13BIS2/WE	ASH-18BIS2/WE	ASH-24BIS2/WE
Capacity cooling / heating	kW		2,7 / 3,5	3,6 / 4,2	5,3 / 6,2	7,1 / 7,1
Power supply	Hz / V		1~ / 50/60 / 220-240	1~ / 50/60 / 220-240	1~ / 50/60 / 220-240	1~ / 50/60 / 220-240
SEER / SCOP	-		8,5 / 5,1	8,5 / 5,1	7,5 / 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)	44/43/38/36/31/24/22	44/43/38/36/31/24/22	46/44/42/39/36/34/32	50 / 46 / 43 / 41 / 39 / 37 / 35
	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	980 x 790 x 427 / 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 / 61,0	1003 x 790 x 427 / 65,0
Operating temperature range cooling/heating	ºC		-18~52 / -30~24	-18~52 / -30~24	-18~52 / -30~24	-18~52 / -30~24

ID/OD= Indoor unit/Outdoor unit; A,W,C= average,warmer,colder climate
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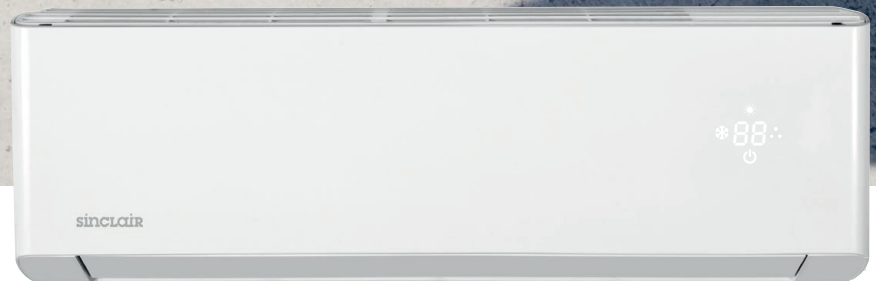
OPTIONAL ACCESSORIES

· Health filters
· GSM module G2S
· Wired controller SWC-02, XK19
· Central controller SCC-16, SCC-36
· Alarm interface SAI-01

SINCLAIR
AIR CONDITIONING

CONSOLE SERIES

WIFI

ECOLOGICAL REFRIGERANT R32

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

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

Blue Fin | R32 | | LED | Turbo | | | |
| | AUTO | Auto⁺ | | | | |
8 ℃ | | |

PLASMA TEC DC INVERTER

STANDARD ACCESSORIES

· Filters - catechin SAF-OPWC4
  and active carbon filter SAF-OPWA4
· Cold plasma generator
· WiFi module
· Crankcase heater, chassis heater
· Remote controller

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	6,5 / 4,1	
Energy class cooling/ heating (Average)		-	A++ / (A+, A+++, -)	A++ / (A+, A+++, -)	A++ / (A+, A+++, -)	
Sound pressure level at 1m	ID	dB(A)	39 / 36 / 33 / 31 / 29 / 26 / 23	42 / 40 / 38 / 36 / 34 / 31 / 25	47 / 45 / 42 / 40 / 37 / 35 / 31	
	OD	dB(A)	50	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	785 x 682 x 280 / 27,5	785 x 682 x 280 / 30,5	963 x 700 x 396 / 46,0	
Operating temperature range cooling/heating		ºC	-15~43 / -22~24	-15~43 / -22~24	-15~43 / -22~24	

ID/OD= Indoor unit/Outdoor unit;
For detailed technical parameters see technical part of catalogue. This catalogue sheet does not apply to project documentation.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (single component refrigerant HFC), GWP of refrigerant used: 675.

OPTIONAL ACCESSORIES

· Health filters
· GSM module G2S
· Wired controller SWC-02, XK19
· Central controller SCC-16, SCC-36

SiNCLAiR
AIR CONDITIONING

UNI SPLIT
SERIES

WIFI

ECOLOGICAL REFRIGERANT R32

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

- Autorestart function
- Water pump
- Dry on/off contact
- Fresh air supply
- Optional WIFI module SWM-03

- Decorative panel
- Remote and wall controller in standard of unit

ASGE-XXBI-3

ASGE-XXBI

Blue Fin   R32

DC INVERTER

MODEL			ASGE-12BI ASC-12BI	ASGE-18BI ASC-18BI	ASGE-24BI ASC-24BI	ASGE-30BI ASC-30BI	ASGE-36BI ASC-36BI
Capacity cooling / heating		kW	3,5 / 4,0	5,0 / 5,5	7,0 / 8,0	8,5 / 8,8	10,0 / 12,0
Power supply -OD*		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP		-	3,5 / 4,0	5,9 / 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+	A++ / A+
Sound pressure level ID at 1,4m		dB(A)	39 / 36 / 33	44 / 39 / 36 / 33	43 / 42 / 40 / 39	49 / 47 / 44 / 41	50 / 48 / 46 / 42
Sound pressure level OD at 1m		dB(A)	50	50	52	53	55
Dimension (w x h x d)/Net weight	ID	mm/kg	570x265x570 / 17	570x265x570 / 17	840x240x840 / 29	840x240x840 / 29	840x240x840 / 31
	OD	mm/kg	818x596x378 / 37	818x596x378 / 39	892x698x396 / 53	920x790x427 / 60	940x820x530 / 83
	Panel	mm/kg	620x47,5x620 / 3	620x47,5x620 / 3	950x52x950 / 6	950x52x950 / 6	950x52x950 / 6
Operating temperature range cooling/heating		ºC	−20~48 / −20~24	−20~48 / −20~24	−20~48 / −20~24	−20~48 / −20~24	−20~48 / −20~24

MODEL			ASGE-36BI-3 ASC-36BI	ASGE-42BI-3 ASC-42BI	ASGE-48BI-3 ASC-48BI	ASGE-60BI-3 ASC-60BI	
Capacity cooling / heating		kW	10,0 / 12,0	12,1 / 13,5	13,4 / 15,5	16,0 / 17,0	
Power supply -OD*		Hz / V	3~ / 50 / 380-415	3~ / 50 / 380-415	3~ / 50 / 380-415	3~ / 50 / 380-415	
SEER / SCOP		-	6,1 / 4,0	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 ID at 1,4m		dB(A)	50 / 48 / 46 / 42	51 / 49 / 46 / 42	52 / 51 / 48 / 45	54 / 52 / 50 / 48	
Sound pressure level OD at 1m		dB(A)	55	56	57	57	
Dimension (w x h x d)/Net weight	ID	mm/kg	840x240x840 / 31	840x290x840 / 33	840x290x840 / 36	840x290x840 / 36	
	OD	mm/kg	940x820x530 / 89	940x820x530 / 95	940x820x530 / 99	900x1345x412 / 112	
	Panel	mm/kg	950x52x950 / 6	950x52x950 / 6	950x52x950 / 6	950x52x950 / 6	
Operating temperature range cooling/heating		ºC	−20~48 / −20~24	−20~48 / −20~24	−20~48 / −20~24	−20~48 / −20~24	

* Indoor unit power supply is 1~ / 50 / 220-240. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (single component refrigerant HFC), GWP of refrigerant used: 675. Optional accessories is mentioned in technical part of catalogue.

WIFI

ECOLOGICAL REFRIGERANT **R32**

ASF-XXBI

ASGE-XXBI-3

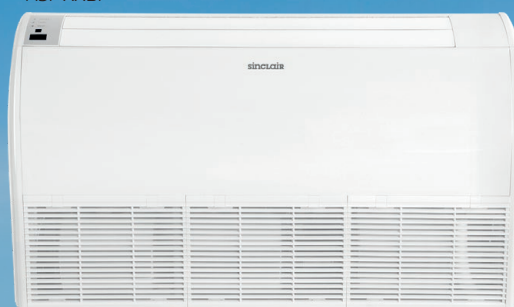ASGE-XXBI

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

· Autorestart function
· Dry on/off contact
· Optional WIFI module SWM-03
· Remote and wall controller
  in standard of unit

Blue Fin | R32 | DC INVERTER

MODEL			ASGE-12BI ASF-12BI	ASGE-18BI ASF-18BI	ASGE-24BI ASF-24BI	ASGE-30BI ASF-30BI	ASGE-36BI ASF-36BI
Capacity cooling / heating	kW		3,5 / 4,0	5,0 / 5,5	7,0 / 8,0	8,5 / 8,8	10,0 / 12,0
Power supply -OD*	Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-		6,1 / 4,0	6,1 / 4,0	6,8 / 4,0	6,1 / 4,0	6,1 / 4,0
Energy class cooling/ heating (Average)	-		A++ / A+	A++ / A+	A++ / A	A++ / A+	A++ / A+
Sound pressure level at 1m	ID	dB(A)	39/36/32/28	44 / 42 / 39 / 36	45 / 44 / 41 / 38	49 / 47 / 45 / 43	49 / 47 / 45 / 43
	OD	dB(A)	50	50	52	53	55
Dimension (w x h x d)/Net weight	ID	mm/kg	870x665x235 / 25	870x665x235 / 26	1200x665x235 / 31	1200x665x235 / 31	1200x665x235 / 32
	OD	mm/kg	818x596x378 / 37	818x596x378 / 39	892x698x396 / 53	920x790x427 / 60	940x820x530 / 83
Operating temperature range cooling/heating	ºC		–20~48 / –20~24	–20~48 / –20~24	–20~48 / –20~24	–20~48 / –20~24	–20~48 / –20~24

MODEL			ASGE-36BI-3 ASF-36BI	ASGE-42BI-3 ASF-42BI	ASGE-48BI-3 ASF-48BI	ASGE-60BI-3 ASF-60BI	
Capacity cooling / heating	kW		10,0 / 12,0	12,1 / 13,5	13,4 / 15,5	16,0 / 17,0	
Power supply -OD*	Hz / V		3~ / 50 / 380-415	3~ / 50 / 380-415	3~ / 50 / 380-415	3~ / 50 / 380-415	
SEER / SCOP	-		6,1 / 4,0	5,8 / 3,8	5,4 / 3,7	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)	49 / 47 / 45 / 43	49 / 47 / 44 / 42	52 / 50 / 48 / 44	54 / 53 / 49 / 45	
	OD	dB(A)	55	56	57	57	
Dimension (w x h x d)/Net weight	ID	mm/kg	1200x665x235 / 32	1570x665x235 / 40	1570x665x235 / 42	1570x665x235 / 42	
	OD	mm/kg	940x820x530 / 89	940x820x530 / 95	940x820x530 / 99	900x1345x412 / 112	
Operating temperature range cooling/heating	ºC		–20~48 / –20~24	–20~48 / –20~24	–20~48 / –20~24	–20~48 / –20~24	

* Indoor unit power supply is 1~ / 50 / 220-240. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (single component refrigerant HFC), GWP of refrigerant used: 675. Optional accessories is mentioned in technical part of catalogue.

UNI SPLIT
SERIES

WIFI

ECOLOGICAL REFRIGERANT R32

ASD-XXBI

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

- Autorestart function
- Dry on/off contact
- Water Pump
- Optional WIFI module SWM-03

- Remote and wall controller in standard of unit

ASGE-XXBI-3

ASGE-XXBI

Blue Fin | R32 | DC INVERTER

MODEL			ASGE-12BI ASD-12BI	ASGE-18BI ASD-18BI	ASGE-24BI ASD-24BI	ASGE-30BI ASD-30BI	ASGE-36BI ASD-36BI
Capacity cooling / heating		kW	3,5 / 4,0	5,0 / 5,5	7,0 / 8,0	8,5 / 8,8	10,0 / 12,0
Power supply -OD*		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP		-	6,1 / 4,0	6,1 / 4,0	6,8 / 4,0	6,1 / 4,0	6,1 / 4,0
Energy class cooling/ heating (Average)		-	A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Sound pressure level ID at 1,4m		dB(A)	41 / 38 / 36 / 34	43 / 42 / 39 / 36	40 / 39 / 37 / 36	42 / 40 / 37 / 35	46 / 44 / 42 / 40
Sound pressure level OD at 1m		dB(A)	50	50	52	53	55
Dimension (w x h x d)/Net weight	ID	mm/kg	700x200x450 / 20	1000x200x450 / 26	1300x220x450 / 31	1300x220x450 / 31	1000x300x700 / 41
	OD	mm/kg	818x596x378 / 37	818x596x378 / 39	892x698x396 / 53	920x790x427 / 60	940x820x530/ 83
Operating temperature range cooling/heating		ºC	−20~48 / −20~24	−20~48 / −20~24	−20~48 / −20~24	−20~48 / −20~24	−20~48 / −20~24

MODEL			ASGE-36BI-3 ASD-36BI	ASGE-42BI-3 ASD-42BI	ASGE-48BI-3 ASD-48BI	ASGE-60BI-3 ASD-60BI	
Capacity cooling / heating		kW	10,0 / 12,0	12,1 / 13,5	13,4 / 15,5	16,0 / 17,0	
Power supply -OD*		Hz / V	3~ / 50 / 380-415	3~ / 50 / 380-415	3~ / 50 / 380-415	3~ / 50 / 380-415	
SEER / SCOP		-	6,1 / 4,0	5,8 / 3,8	5,4 / 3,7	6,1 / 4,0	
Energy class cooling/ heating (Average)		-	A++ / A+	A+ / A	A+ / A	A++ / A+	
Sound pressure level ID at 1,4m		dB(A)	46 / 44 / 42 / 40	42 / 40 / 39 / 37	43 / 41 / 40 / 38	44 / 41 / 39 / 38	
Sound pressure level OD at 1m		dB(A)	55	56	57	57	
Dimension (w x h x d)/Net weight	ID	mm/kg	1000x300x700 / 41	1400x300x700 / 50	1400x300x700 / 50	1400x300x700 / 57	
	OD	mm/kg	940x820x530 / 89	940x820x530 / 95	940x820x530/ 99	900x1345x412 / 112	
Operating temperature range cooling/heating		ºC	−20~48 / −20~24	−20~48 / −20~24	−20~48 / −20~24	−20~48 / −20~24	

* Indoor unit power supply is 1~ / 50 / 220-240. Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (single component refrigerant HFC), GWP of refrigerant used: 675. Optional accessories is mentioned in technical part of catalogue.

COMMUNICATION MODULE

SCMI-01.4

- **Low evaporating temperature up to -10 ºC**
- 3 basic operation modes *
- Control of separate condensing units of UNI SPLIT series
- Direct operation mode (cooling) or reverse operation mode (heating)
- Control of FMD modules
- 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
- Available also in SCMI-01.4X, which extends the goal temperature range from -30 ºC to +55 ºC

| COMMUNICATION MODULE		
Power supply	-	230V/50Hz ±10%
Rated power input	VA	15
Dimension (wxhxd)	mm	90x71x58
Package dimension (wxhxd)	mm	120x100x80
Net/gross weight	kg	0,21 / 0,35
Storage temperature	ºC	-25 ~ +70
Operating range	ºC	-10 ~ +55
Outputs		3x output relays 230V/2A
Inputs		communication input
		2x input for temperature sensors; input for FMD modules (VE+, VE-)
		1x voltage input 0-10V, resistance 100kΩ
		1x current input 4-20mA for pressure sensor 0-18bar
Standard accessories		2x temperature sensor NTC015WF00 (10kΩ; ß=3435)
Optional accessories		Pressure sensor Alco Controls PT5-18M

* 3 BASIC OPERATION MODES

Autonomous temperature control mode. The system changes its performance in order to achieve set temperature measured with T2 sensor. You can set temperature from -10 ºC to +55 ºC

Slave unit mode – operated: You set the compressor performance directly via 0-10V input. Evaporating temperature depends on compressor performance and other conditions

Autonomous pressure (evaporating temperature) control mode for cooling only: The compressor performance changes based on evaporating pressure. You can set the pressure which corresponds with temperatures from -10 ºC to +55 ºC

MULTI VARIABLE SERIES

ECOLOGICAL REFRIGERANT R32
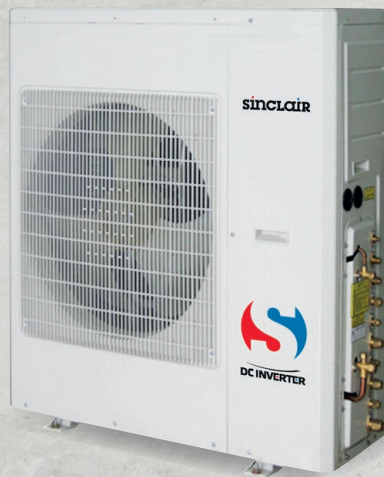
L1
L2
L3
L4
L5

MV-E14BI
MV-E18BI
MV-E21BI
MV-E24BI
MV-E28BI
MV-E36BI
MV-E42BI

· Autorestart function
· Crankcase heater, chassis heater
· Automatic defrost mode
· Control sequence after first power on

STANDARD ACCESSORIES

· Pipe adapters
· Drain plugs
· Drain water adapter

LED | Auto | Blue Fin | R32

PLASMA TEC DC INVERTER

MODEL			MV-E14BI	MV-E18BI	MV-E21BI	MV-E24BI
Number of connectable indoor units			1-2	1-2	2-3	2-3
Capacity cooling / heating		kW	4,1 / 4,4	5,2 / 5,4	6,1 / 6,5	7,1 / 8,5
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP		-	6,0 / 4,0	6,1 / 4,0	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)	55	55	58	58
Dimension (w x h x d)/Net weight	ID	mm/kg	899 x 596 x 378 / 43,0	899 x 596 x 378 / 43,0	955 x 700 x 396 / 55,0	980 x 790 x 427 / 68,0
Operating temperature range cooling/heating		ºC	-15~43 / -20~24	-15~43 / -20~24	-15~43 / -20~24	-15~43 / -20~24

MODEL			MV-E28BI	MV-E36BI	MV-E42BI	
Number of connectable indoor units			2-4	2-4	2-5	
Capacity cooling / heating		kW	8,0 / 9,5	10,5 / 12,0	12,0 / 13,0	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER / SCOP		-	6,1 / 4,0	6,1 / 4,0	6,1 / 4,0	
Energy class cooling/ heating (Average)		-	A++ / A+	A++ / A+	A++ / A+	
Sound pressure level at 1m	ID	dB(A)	58	60	60	
Dimension (w x h x d)/Net weight	ID	mm/kg	980 x 790 x 427 / 69,0	1087 x 1103 x 440 / 90,0	1087 x 1103 x 440 / 90,0	
Operating temperature range cooling/heating		ºC	-15~43 / -20~24	-15~43 / -20~24	-15~43 / -20~24	

ID/OD= Indoor unit/Outdoor unit.
For detailed technical parameters see technical part of catalogue. This catalogue sheet does not apply to project documentation.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (single component refrigerant HFC), GWP of refrigerant used: 675.

MULTI VARIABLE SERIES

ECOLOGICAL REFRIGERANT **R32**

WALL MOUNTED UNITS

· Energy class A++ / A+
· Dual side water outlet
· Automatic restart

MV-HXXBIS/W

STANDARD ACCESSORIES

· Filters - catechin SAF-OPWC4 and active carbon filter SAF-OPWA4
· Cold plasma generator
· WiFi module · Dry on/off contact
· Remote controller

MV-HXXBIS/B

MV-HXXBIF

MODEL		MV-H07BIF	MV-H09BIF	MV-H12BIF	MV-H18BIF	MV-H24BIF
Capacity cooling / heating	kW	2,1 / 2,6	2,6 / 2,8	3,5 / 3,6	5,1 / 5,2	6,4 / 6,4
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Sound pressure level at 1m	dB(A)	39 / 36 / 32 / 28	41 / 37 / 35 / 32 / 29 / 26 / 24	42 / 38 / 35 / 32 / 30 / 28 / 26	45 / 43 / 41 / 38 / 35 / 34 / 31	48 / 45 / 42 / 39 / 37 / 36 / 33
Dimension (w x h x d)/Net weight	mm/kg	790 x 275 x 200 / 9,0	790 x 275 x 200 / 9,0	845 x 289 x 209 / 10,5	970 x 300 x 224 / 13,5	1078 x 325 x 246 / 16,2

MODEL		MV-H09BIS/B -/W	MV-H13BIS/B -/W	MV-H18BIS/B -/W	MV-H24BIS/B -/W	
Capacity cooling / heating	kW	2,7 / 3,0	3,5 / 3,8	5,3 / 5,6	7,0 / 7,2	
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)	41 / 39 / 37 / 35 / 33 / 31 / 24	43 / 39 / 37 / 35 / 34 / 32 / 25	49 / 45 / 43 / 41 / 39 / 37 / 34	49 / 47 / 44 / 42 / 40 / 38 / 36	
Dimension (w x h x d)/Net weight	mm/kg	865 x 290 x 210 / 10,5	865 x 290 x 210 / 11,0	996 x 301 x 225 / 13,5	1101 x 327 x 249 / 16,5	

CONSOLE UNITS

· WiFi module
· Filters - catechin SAF-OPWC4 and active carbon filter SAF-OPWA4
· Dual air outlet for heating
· Cold plasma generator · Remote controller

MODEL		MV-P09BI	MV-P12BI	MV-P18BI		
Capacity cooling / heating	kW	2,7 / 2,8	3,5 / 3,8	5,2 / 5,3		
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240		
Sound pressure level at 1m	dB(A)	40/36/34/32/30/26/23	42/40/38/36/34/31/25	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		

4-WAY CASSETTE UNITS

· Built-in water pump
· Decorative panel
· Remote and wall controller in standard

MODEL		MV-C12BI	MV-C18BI	MV-C24BI	
Capacity cooling / heating	kW	3,5 / 4,0	4,5 / 5,0	7,1 / 8,0	
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Sound pressure level at 1,4m	dB(A)	44 / 41 / 38 / 34	47 / 45 / 41 / 35	47 / 45 / 41 / 36	
Dimension (w x h x d)/Net weight	mm/kg	596 x 240 x 596 / 20,0	596 x 240 x 596 / 20,0	840 x 240 x 840 / 26,0	

DUCT UNITS

· Built-in water pump
· Remote and wall controller in standard

MODEL		MV-D09BI	MV-D12BI	MV-D18BI	MV-D24BI
Capacity cooling / heating	kW	2,5 / 2,8	3,5 / 3,9	5,0 / 5,5	7,1 / 8,0
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Sound pressure level at 1,4m	dB(A)	47/41/37/34/31	49/42/39/35/32	51/43/41/33/-	52/44/42/34/-
Dimension (w x h x d)/Net weight	mm/kg	700 x 200 x 615 / 21,0	700 x 200 x 615 / 22,0	900 x 200 x 615 / 26,0	1100 x 200 x 615 / 30,0

FLOOR CEILING UNITS

· Horizontal/vertical position
· Remote and wall controller in standard

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	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
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 x h x d)/Net weight	mm/kg	870 x 665 x 235 / 25	870 x 665 x 235 / 25	870 x 665 x 235 / 25,5	1200 x 665 x 235 / 33

HIGH POWER MULTI SYSTEM SERIES

R410A
REFRIGERANT

L1
H1
H2
H3
L2
L3

A3 A2 A1
A6 A5 A4

H3
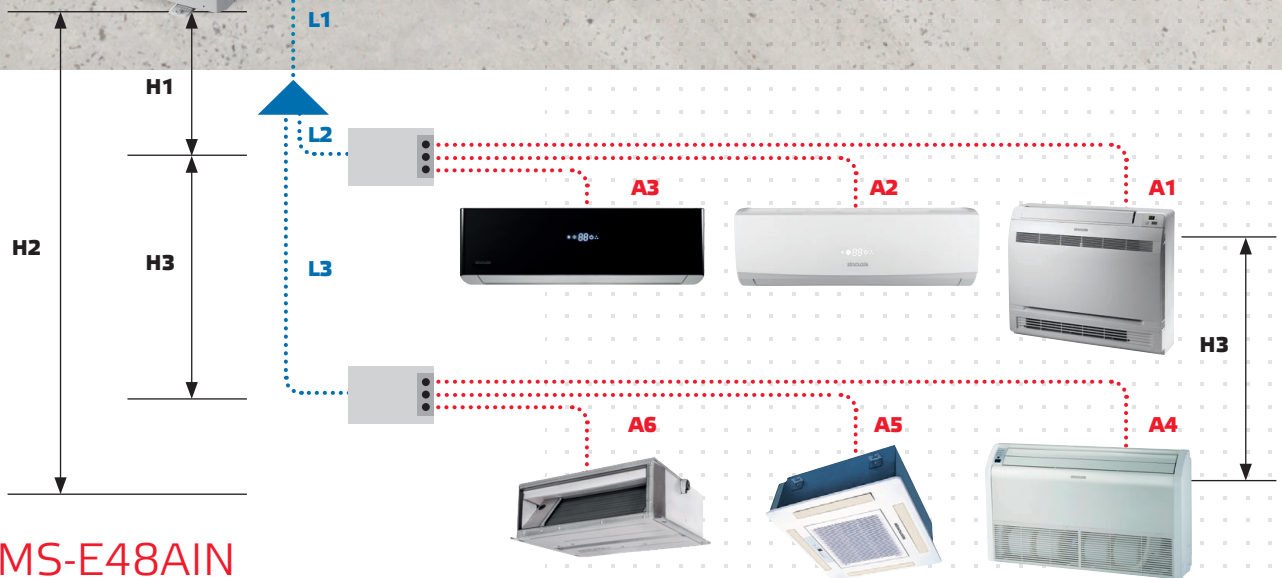
MS-E48AIN
MS-E56AIN

· Connection of 2 up to 9 indoor units of multi variable/ multi system / multi combi series
· Refrigerant pipes devided by branch joints and distributors
· Automatic scanning of connected indoor units
· Automatic addressing of indoor units
· 4-way refrigerant pipe outlet
· Integrated WiFi module for system diagnosis

(E.G: MS-E48AIN SYSTEM CONNECTION)

TOTAL OUTPUT OF ALL INDOOR UNITS SHOULD BE WITHIN 50-135% OF MAXIMUM OUTPUT OF THE OUTDOOR UNIT.

R410A · Blue Fin

DC INVERTER

DISTRIBUTION BOXES

DB2-19SB   DB3-19SB   DB5-16AF

MODEL			MS-E48AIN	MS-E56AIN	
Capacity cooling / heating		kW	14,0 / 16,0	16,0 / 18,0	
Power supply		Hz / V	3~ / 50 / 380-415	3~ / 50 / 380-415	
SEER / SCOP		-	2,70 / 3,20	2,65 / 3,50	
Sound pressure level at 1m	OD	dB(A)	58	58	
Dimension (w x h x d)/Net weight	OD	mm/kg	900 x 1345 x 340 /121,0	900 x 1345 x 340 /121,0	
Operating temperature range cooling/heating		ºC	18~48/ -10~24	18~48/ -10~24	

DISTRIBUTION BOXES		DB2-19SB	DB3-19SB	DB5-16AF
Maximum number of connectable indoor units	-	2	3	5
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Sound pressure level at 1m	dB(A)	28	28	30
Unit dimensions	mm	600x313x182	600x313x182	617x410x193
Net/ gross weight	kg	5,5 / 7,5	6,0 / 8,0	9,0 / 11,0

OD= Outdoor unit
For detailed technical parameters see technical part of catalogue. This catalogue sheet does not apply to project documentation.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R410A (50% HFC-32, 50% HFC-125), GWP of refrigerant used: 2088.

OPTIONAL ACCESSORIES

BRANCH JOINTS
MS-01BI

BRANCH JOINTS ARE USED FOR EQUAL
DISTRIBUTION OF REFRIGERANT FROM
OUTDOOR UNIT TO DISTRIBUTION BOXES.

SINCLAIR
AIR CONDITIONING

HIGH STATIC PRESSURE
DUCT

R410A
REFRIGERANT

ASDH-96AI

- Optional central controller CCM30
- Mode priority settings
- External static pressure up to 150Pa
- Dry on/off contact
- Alarm contact
- Wired controller KJR-29B
- Optional water pump, water level switch
- 4 cold-air protection modes

DC INVERTER

MODEL			ASDH-96AI		
Capacity cooling / heating		kW	28,0 / 31,5		
Power supply		Hz / V	3~ / 50 / 380-415		
EER / COP		-	3,11 / 3,71		
Sound pressure level at 1m	ID	dB(A)	49-52		
	OD	dB(A)	59		
Dimension (w x h x d)/Net weight	ID	mm/kg	1470 x 512 x 775 / 83,0		
	OD	mm/kg	1120 x 1558 x 528 / 147,0		
Operating temperature range cooling/heating		ºC	-15 ~ 48 / -15 ~ 24		

ID/OD= Indoor unit/Outdoor unit.
For detailed technical parameters see technical part of catalogue. This catalogue sheet does not apply to project documentation.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R410A (50% HFC-32, 50% HFC-125), GWP of refrigerant used: 2088.

OPTIONAL ACCESSORIES

· Central controller CCM30

sinclair
AIR CONDITIONING

WINDOW
SERIES

ECOLOGICAL
REFRIGERANT R32

ASW-09BI
ASW-12BI

· Energy class A
· Cooling mode only
· Dirty filter alarm
· Low voltage startup
· Automatic restart function
· Remote controller

MANUAL CONTROL PANEL

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

DC INVERTER

MODEL			ASW-09BI	ASW-12BI	
Cooling capacity		kW	2,7	3,7	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER		-	3,45	3,54	
Energy class cooling		-	A	A	
Sound pressure level at 1m	interior	dB(A)	50 / 48/ 46	50 / 48/ 46	
	exterior	dB(A)	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		ºC	16 ~ 43	16 ~ 43	

For detailed technical parameters see technical part of catalogue. This catalogue sheet does not apply to project documentation.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (single component refrigerant HFC), GWP of refrigerant used: 675.
Hermetically sealed system.

SINCLAIR
AIR CONDITIONING

TOWER
SERIES

WIFI

R410A
REFRIGERANT

AST-24AI

· Designed with an emphasis on aesthetics
· Usable for larger areas such as offices,
  meeting rooms, restaurants etc.
· Turbo heating and cooling
· Equipped with horizontal and vertical electric
  louver
· Self-diagnosis function
· Intelligent defrost system
· WiFi control
· Controlled by built-in panel or remote
  controller
· Remote controller
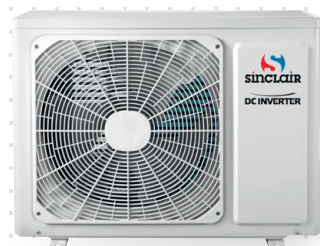
DC INVERTER

MODEL			AST-24AI		
Capacity cooling / heating		kW	7,2 / 7,5		
Power supply		Hz / V	1~ / 50 / 220-240		
SEER / SCOP		-	6,1 / 4,0		
Energy class cooling/heating (av.)		-	A++ / A+		
Sound pressure level at 1m	ID	dB(A)	49 / 45 / 42 / 39		
	OD	dB(A)	60		
Dimension (w x h x d)/Net weight	ID	mm/kg	507 x 1770 x 320 / 40,0		
	OD	mm/kg	955 x 700 x 396 / 53,5		
Operating temperature range cooling/heating		ºC	-15 ~ 48 / -15 ~ 24		

For detailed technical parameters see technical part of catalogue. This catalogue sheet does not apply to project documentation.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R410A (50% HFC-32, 50% HFC-125), GWP of refrigerant used: 2088.

SINCLAIR
AIR CONDITIONING

CAMPER TRAILER SERIES
FOR CARAVANS

WIFI

R410A
REFRIGERANT

INDOOR UNIT ULTRASLIM
AND INNOVATIVE DESIGN

ASV-25AS
ASV-35AS

· Possibility of control via WiFi
· Operating temperature 4-46 ºC
· For roofs with a thickness of 30-80 mm
· Power supply 220-240V/50Hz/1Ph
· Ultraslim design of indoor unit
· Compressor protection
· Manual and remote control
· Powerful cooling, heating and dehumidification
· Quiet operation
· Closable air outlets
· Remote controller
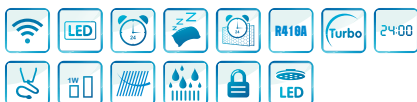
FIX SPEED

MODEL			ASV-25AS	ASV-35AS	
Capacity cooling / heating		kW	2,5 / 2,2	3,5 / 3,2	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER / SCOP		-	2,34 / 2,24	2,76 / 2,71	
Sound pressure level at 1m	ID	dB(A)	53 / 48 / 43 / 38	55 / 49 / 44 / 39	
	OD	dB(A)	65 / 55	65 / 55	
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	1018 x 259 x 650 / 42,5	1018 x 259 x 650 / 42,5	
Operating temperature range cooling/heating		ºC	18 ~ 43 / 2 ~ 24	18 ~ 43 / 2 ~ 24	

For detailed technical parameters see technical part of catalogue. This catalogue sheet does not apply to project documentation.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R410A (50% HFC-32, 50% HFC-125), GWP of refrigerant used: 2088.
Hermetically sealed system.

OPTIONAL ACCESSORIES

· ASV-PA
Plastic adapter for outdoor unit
Recommended for installation
of the ASV-25 / 35A air conditioner
in a 40 x 40 cm hole

SINCLAIR
AIR CONDITIONING

BOAT
SERIES

R410A
REFRIGERANT

ASB-05A
ASB-09A
ASB-12A
ASB-16A
ASB-24A

· 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

ASB-12A

ASB-24A

FIX SPEED

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	-		1,96 / 2,64	2,33 /,2,50	2,82 / 2,91
Sound pressure level at 1m	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	6,40 / 6,65	
Power supply	Hz / V		1~ / 50 / 220-240	1~ / 50 / 220~240	
SEER / SCOP	-		2,67 / 3,08	4,41 / 3,80	
Sound pressure level at 1m	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 / 60,5	
Operating temperature range cooling / heating	°C		16~43 / -10~30	16~43 / -10~30	

For detailed technical parameters see technical part of catalogue. This catalogue sheet does not apply to project documentation.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R410A (50% HFC-32, 50% HFC-125), GWP of refrigerant used: 2088.

SINCLAIR
AIR CONDITIONING

LOCAL
AIR CONDITIONERS

R290
NATURAL
REFRIGERANT

AMC-XXP

AMC-11P
AMC-14P

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

STANDARD ACCESSORIES

AMC-WINK
WINDOW KIT

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)	65	65	
Dimension (w x h x d)/Net weight	ID	mm/kg	300 x 760 x 532 / 28,6	300 x 760 x 532 / 30,6	
Operating temperature range cooling/heating		ºC	17-32 / 7-25	17-32 / 7-25	

R290 (100% CH3CH2CH3). GWP of the refrigerant used: 3.

OPTIONAL ACCESSORIES

AMC-WK
WALL KIT

WK-400A
WINDOW KIT

AK-15P
WALL

sinclair
AIR CONDITIONING

MOBILE
DEHUMIDIFIERS

R290
NATURAL
REFRIGERANT

CFO-16P

CFO-16P
CFO-20P
CFO-40P

· Powerful dehumidifying function
· Silent operation and mode indicators
· Drying
· Low power consumption
· Autorestart
· Indication of opened water tank
· External drain water outlet
· Protection of overflowing
· 2-year warranty
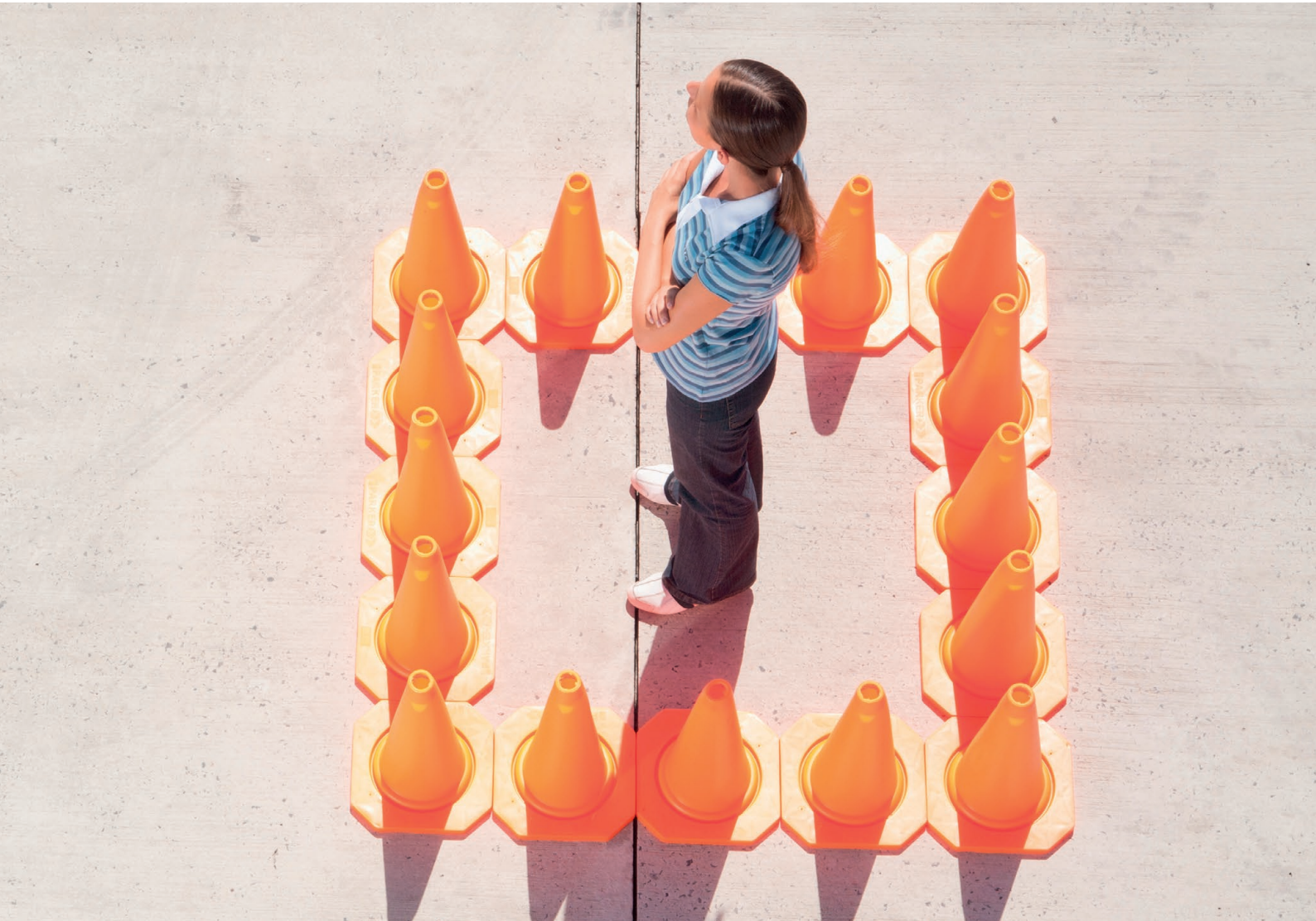
CFO-20P

CFO-40P

MODEL		CFO-16P	CFO-20P	CFO-40P
Dehumidifying volume	l/den	16,0	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	-	220 / 245	360 / 450	670 / 900
Rated current	-	1,1	2,1	4,0
Sound pressure level at 1m	dB(A)	41 / 38	43 / 41 / 39	48 / 45 / 42
Water tank volume	l	2,5	3,5	6,5
Optimal room size	m²	20	28	48
Dimension (w x h x d)/Net weight	mm/kg	305 x 490 x 192 / 10,5	363 x 577 x 245 / 15,5	396 x 625 x 286 / 22,5
Operating temperature range	ºC	5 ~ 32	5 ~ 32	5 ~ 32

R290 (100% CH3CH2CH3)
The values stated in the sheet are complying with norm EN810
Dehumidifying volume is measured according to EN60335-2-40, test conditions: DB 30%, RH 80%
Hermetically sealed system.
GWP of the refrigerant used: 3.

sinclair
AIR CONDITIONING

AIR
PURIFIER

SP-45A

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

STANDARD ACCESSORIES

· HEPA filter
· Active carbon filter
· Cotton filter

MODEL		SP-45A		
Optimal room size	m²	10 - 45		
Power supply	Hz / V	1~ / 50 / 220-240		
Cleaning volume	m³/h	340		
Sound pressure level at 1m	dB(A)	19 - 51 (Quiet operation)		
Dimension (w x h x d) / Net weight	mm/kg	374x594x201 / 6,8		
Operating temperature range	⁰C	0 ~ 40		

OPTIONAL ACCESSORIES

· SPF-45 replacement dust filters

SINCLAIR
AIR CONDITIONING

OPTIONAL ACCESSORIES

OPTIONAL ACCESSORIES

WIRED CONTROLLERS SWC-02 AND SWC-03

SWC-02 for MULTI VARIABLE, R32 wall mounted and console series. SWC-03 for indoor units of UNI SPLIT series. This optional wired controller with touch screen is connected directly to the indoor unit.

· Selection of basic modes
· Address setting for central control
· Displaying unit status
· Displaying error codes
· Real time on display
· Sleep, health, quiet operation functions
· Holiday mode (tempering)
· Save / Turbo / (X-fan)
· Blocking of selected functions
· Child safety lock of buttons
· Auto restart
· Timers (daily, weekly, two-week)

WIFI MODULE SWM-03

· WIFI module can be connected to indoor unit to achieve long distance control with smart phone or tablet
· SWM-03 is optional accessory for UNI SPLIT units.

MODBUS GATEWAY SMG-01

Enables the communication of indoor units of UNI SPLIT series via the Modbus protocol.

· Can be used for connection of external control system, which uses Modbus protocol or for connection of central controller SCC-36 or SCC-16 respectively
· Control software is not included, it has to be field supplied
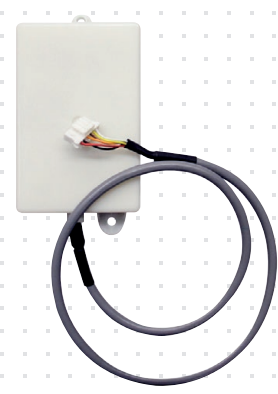
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SCC-16 CENTRAL CONTROLLER AND WEEKLY TIMER

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

· Weekly timer (minimum runtime 0.5h)
· Connection via wired controller
· It is necessary to order a sufficient number of SCC-16K cables to SCC-16 central controller
· Connects up to 16 indoor units

SCC-36 CENTRAL CONTROLLER AND WEEKLY TIMER

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, group or all units control

NEW

SAI-01 ALARM INTERFACE

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.

OPTIONAL ACCESSORIES

WIFI EWPE APPLICATION

Download on the App Store

GET IT ON Google Play
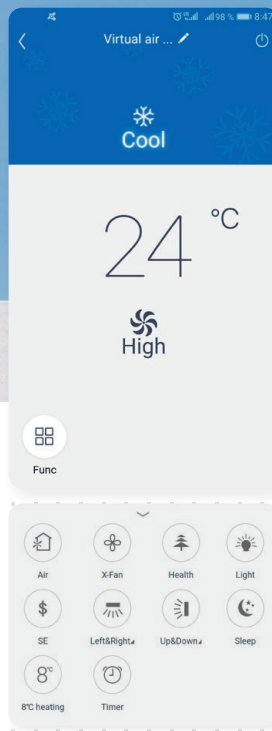
The indoor unit has inbuilt WiFi module, with which the air conditioner can be controlled by iOS or android phone / tablet.

Use Google Play or App Store to download EWPE app.

G2S GSM MODULE

G2S module is used to control Sinclair air conditioners via your mobile phone. It uses IR for communication, so it is not necessary to connect it to the air conditioner. It acts like a second remote control. The module is equipped with two transmitting IR diodes, signalling diode, SIM card slot and also with power supply and USB port connectors.

NEW

G2S-T MODULE

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.

SDT-ASH DIAGNOSTIC TOOL
FOR WALL MOUNTED UNITS ASH-XXBIX

INDOOR AND OUTDOOR UNIT DIAGNOSTIC

· Running parameters
· Simulation run of indoor or outdoor unit
· Test of indoor and outdoor mainboard during communication malfunction
· IR receiver (can be used during outdoor unit's test run)
· User friendly (just 4 buttons)
· Simple display (4 lines)
· No need for other accessories
· Connected to terminal board of units

SDT-MV DIAGNOSTIC TOOL
FOR MULTI SPLIT AIR CONDITIONING

COMPATIBLE WITH MULTI VARIABLE, MULTI SYSTEM
AND HIGH POWER MULTI SYSTEM SERIES

· Automatic detection of connected units
· User friendly interface
· Running parameters of whole system
· Connected to outdoor unit's mainboard
· 3 diodes (power supply, running, error)
· Power supply: USB connector (5V adapter is field supplied)

SINCLAIR
AIR CONDITIONING

SUMMARY