

... and the world  
keeps spinning

RESIDENTIAL  
AIR CONDITIONING  
2021-2022





#### ABOUT SINCLAIR BRAND

Sinclair brand has long tradition and we believe in bright future too. Sinclair air conditioners 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 have updated information about news in our assortment 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

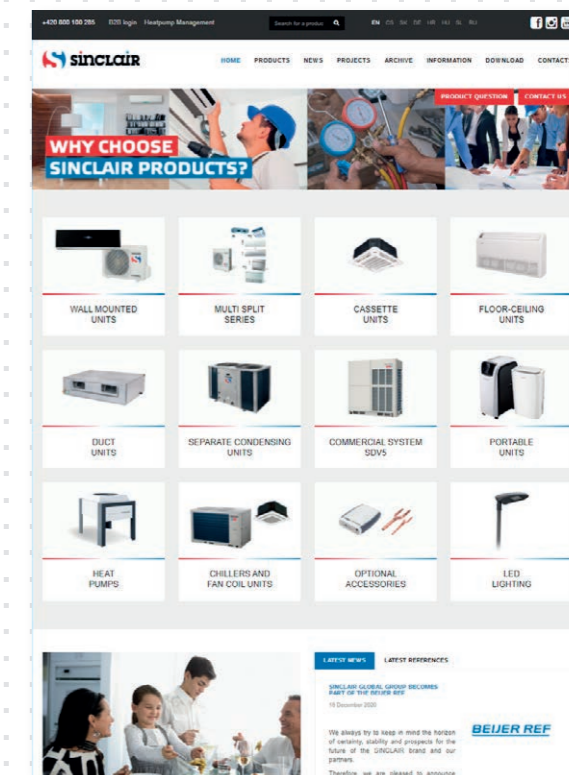
Environment protection becomes more and more crucial for humanity and its future generations. SINCLAIR Global Group perceives it the same way hence we focus on developing and applying new technologies which helps to reduce energy consumption and global warming effect. Our products fulfil strict EU norms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

SINCLAIR believes in long-term, stable and healthy progression supported by hard work and strong code of ethics. Long-term success of any brand depends on satisfied customers. Our customers are satisfied thanks to high-quality, reliable a technically advanced products with reasonable pricing and timeless design.



#### WWW.SINCLAIR-SOLUTIONS.COM

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



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## 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.

### AIR STERILIZATION

Active oxygen molecules are attracted to bigger particles like bacteria and mold spores, they oxidize them causing their destruction. Thanks to such procedure the ions effectively reduce the amount of spores and bacteria in the air.

### 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. Concentration and overall well being is improved.

welcome to the  
Sinclair world

## 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 consumption can be reduced by as much as 44 % compared to fixed speed compressors.

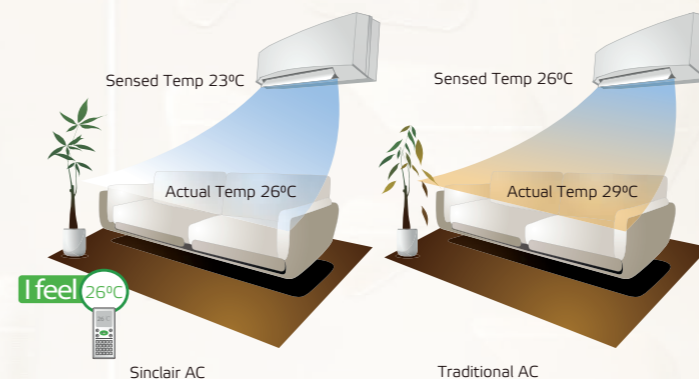




## SMART FUNCTIONS SINCLAIR

### 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.



### EWPE SMART – WIFI APP

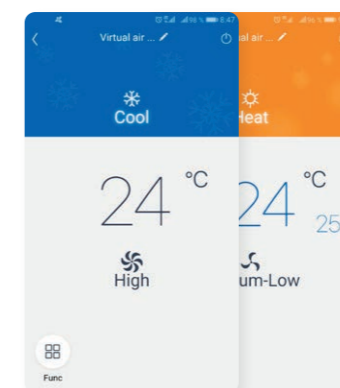
Sinclair air conditioners can be conveniently managed via your smart phones or tablets with operating system Android or iOS. Control the temperature in the room from anywhere at any time. Thanks to the EWPE Smart app you will have Sinclair air conditioners always under control.



Available on the iPhone



Available on Google play



-  Anticorrosion treatment of exchangers
-  Refrigerant
-  Flexible adjusting labels
-  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 new environmentally friendly R32 refrigerant in most of the SINCLAIR wall-mounted air conditioners, the need for CO2 emission quotas was reduced by 65 % between 2017 and 2018. We are gradually expanding this ecological trend among other categories of our products.

With the SINCLAIR mobile air conditioners and dehumidifiers, we have made even more progress in terms of ecology, because they contain the purely natural refrigerant R290 Propane. This type of refrigerant has almost none global warming effect (GWP of 3).

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 ASEKOL s.r.o



WALL MOUNTED SPLIT AIR CONDITIONERS

# SPECTRUM PLUS SERIES

ECOLOGICAL REFRIGERANT R32

### FEATURES

- Energy class A+++/A++
- 2-stage compressor
- Dual side water outlet
- Hidden display
- 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"

### 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

### OPTIONAL ACCESSORIES

- Health filters
- GSM modules G2S, G2S-T
- Control module SCMI-03S
- BACNET gateway SBG-01
- Wired controller SWC-02, XK19
- Central controller SCC-16, SCC-36
- Alarm interface SAI-01



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



DC INVERTER PLASMA+TEC WIFI



### TECHNICAL PARAMETERS

MODEL			ASH-09BIS2/W	ASH-13BIS2/W	ASH-18BIS2/W	ASH-24BIS2/W
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	°C		-18-52 / -30-24	-18-52 / -30-24	-18-52 / -30-24	-18-52 / -30-24



WALL MOUNTED SPLIT AIR CONDITIONERS

# TERREL SERIES

ECOLOGICAL REFRIGERANT R32

NEW

Indoor units are compatible with Multi Variable series

**FEATURES**

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

**STANDARD ACCESSORIES**

- Filters - catechin SAF-OPWC4 and active carbon filter SAF-OPWA4
- Cold plasma generator
- Wifi module
- Dry on/off contact
- Crankcase heater, chassis heater

**OPTIONAL ACCESSORIES**

- Health filters
- GSM modules G2S, G2S-T
- Control module SCMI-03S
- BACNET gateway SBG-01
- Wired controller SWC-02, XK19
- Central controller SCC-16, SCC-36
- Alarm interface SAI-01



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



DC INVERTER PLASMA+TEC WIFI



**TECHNICAL PARAMETERS**

MODEL		SIH-09BITx + SOH-09BIT	SIH-13BITx + SOH-13BIT	SIH-18BITx + SOH-18BIT	SIH-24BITx + SOH-24BIT
Capacity cooling / heating	kW	2,7 / 3,0	3,5 / 3,8	5,2 / 5,6	7,1 / 7,8
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	7,5 / 4,2	7,1 / 4,1	7,1 / 4,2	7,0 / 4,2
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	38 / 36 / 34 / 31 / 29 / 27 / 25	42 / 38 / 35 / 32 / 29 / 27 / 25	44 / 43 / 41 / 38 / 36 / 34 / 30	48 / 44 / 41 / 40 / 38 / 36 / 33
	OD	50	52	56	59
Dimension (w x h x d)/Net weight	ID	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
	OD	732 x 550 x 330 / 23,5	732 x 550 x 330 / 24,5	802 x 555 x 350 / 30,5	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	-15-43 / -25-30

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



WALL MOUNTED SPLIT AIR CONDITIONERS

# KEYON SERIES

ECOLOGICAL REFRIGERANT R32

**FEATURES**

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

**STANDARD ACCESSORIES**

- Cold plasma generator
- Wifi module
- Remote controller

**OPTIONAL ACCESSORIES**

- Health filters
- GSM modules G2S, G2S-T
- Control module SCMI-03S
- BACNET gateway SBG-01
- Wired controller SWC-02, XK19
- Central controller SCC-16, SCC-36
- Alarm interface SAI-01



**NEW**

Indoor units are compatible with Multi Variable series



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



DC INVERTER PLASMA+TEC WIFI



**TECHNICAL PARAMETERS**

MODEL		SIH-09BIK + SOH-09BIK	SIH-12BIK + SOH-12BIK	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 / 6,4
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	6,6/4,2	6,5/4,1	6,4/4,0	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	40/38/34/23	41/38/36/35/32/29/23	44/42/41/38/37/34/31	48/44/40/34
	OD	51	52	53	57
Dimension (w x h x d)/Net weight	ID	770*251*190 / 8.5	849*289*215 / 10.5	972*300*225 / 13.5	972*300*225 / 13.5
	OD	732*550*330 / 25	732*550*330 / 25	732*550*330 / 26.5	965*700*396 / 46
Operating temperature range cooling/heating	°C	-15-43 / -15-24	-15-43 / -15-24	-15-43 / -15-24	-15-43 / -15-24



# RAY SERIES

ECOLOGICAL REFRIGERANT R32

### FEATURES

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

### STANDARD ACCESSORIES

- Remote controller

### OPTIONAL ACCESSORIES

- Health filters
- GSM modules G2S, G2S-T
- Control module SCMI-03S
- Alarm interface SAI-01



UP-  
GRADED

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



Indoor units are compatible with Multi Variable series

## DC INVERTER



### TECHNICAL PARAMETERS

MODEL		SIH-09BIR + SOH-09BIR	SIH-12BIR + SOH-12BIR	SIH-18BIR + SOH-18BIR	SIH-24BIR + SOH-24BIR
Capacity cooling / heating	kW	2,7 / 2,8	3,2 / 3,4	4,6 / 5,2	6,2 / 6,5
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	6,6 / 4,2	6,1 / 4,0	6,4 / 4,0	6,8 / 4,0
Energy class cooling/ heating (A, W, C)	-	A++ / (A+, A+++, B)	A++ / (A+, A+++, B)	A++ / (A+, A+++, B)	A++ / (A+, A+++, B)
Sound pressure level at 1m	ID	40/38/34/23	41/37/33/26	44/38/34/31	48/44/40/34
	OD	51	51	53	57
Dimension (w x h x d)/Net weight	ID	773x250x185 / 8,0	773 x 250 x 185 / 8,0	970 x 300 x 225 / 13,5	970 x 300 x 225 / 13,5
	OD	732 x 550 x 330 / 25	732 x 550 x 330 / 25	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





CONSOLE SPLIT AIR CONDITIONERS

# CONSOLE SERIES

## FEATURES

- Energy class A++ / A+
- Dual 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 module
- Crankcase heater, chassis heater
- Remote controller

## OPTIONAL ACCESSORIES

- Health filters
- GSM module G25
- Wired controller SWC-02, XK19
- Central controller SCC-16, SCC-36
- Control module SCMI-035
- BACNET gateway SBG-01
- Alarm interface SAI-01

ECOLOGICAL REFRIGERANT R32



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



DC INVERTER PLASMA+TEC WIFI



## TECHNICAL PARAMETERS

MODEL			ASP-09BI	ASP-12BI	ASP-18BI	
Capacity cooling / heating	kW		2,7 / 2,9	3,5 / 3,8	5,2 / 5,3	
Power supply	Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER / SCOP			7,2 / 4,0	7,0 / 4,1	6,5 / 4,1	
Energy class cooling/heating (A, W, C)			A++ / (A+, A+++, -)	A++ / (A+, A+++, -)	A++ / (A+, A+++, -)	
Sound pressure level at 1m	ID	dB(A)	39 / 36 / 33 / 31 / 29 / 26 / 23	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	°C		-15-43 / -22-24	-15-43 / -22-24	-15-43 / -22-24	



MULTI VARIABLE DC INVERTER  
OUTDOOR UNITS

# MULTI VARIABLE SERIES

ECOLOGICAL REFRIGERANT R32

## FEATURES

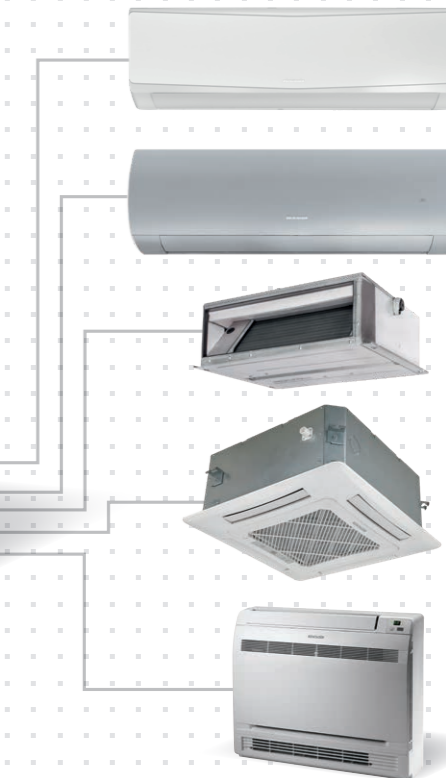
- Autorestart function
- Crankcase heater, chassis heater
- Automatic defrost mode
- Control sequence after first power on

## STANDARD ACCESSORIES

- Pipe adapters
- Drain plugs
- Drain water adapter

## OPTIONAL ACCESSORIES

- Health filters
- GSM modules G2S, G2S-T
- BACNET gateway SBG-01
- Wired controller SWC-02, XK19
- Central controller SCC-16, SCC-36



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

## DC INVERTER



## TECHNICAL PARAMETERS

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	OD    mm/kg	908 x 602 x 378 / 43,0	908 x 602 x 378 / 43,0	963 x 700 x 396 / 55,0	1001 x 790 x 427 / 68,0
Operating temperature range cooling/heating	°C	-15-43 / -20-24	-15-43 / -20-24	-15-43 / -20-24	-15-43 / -20-24

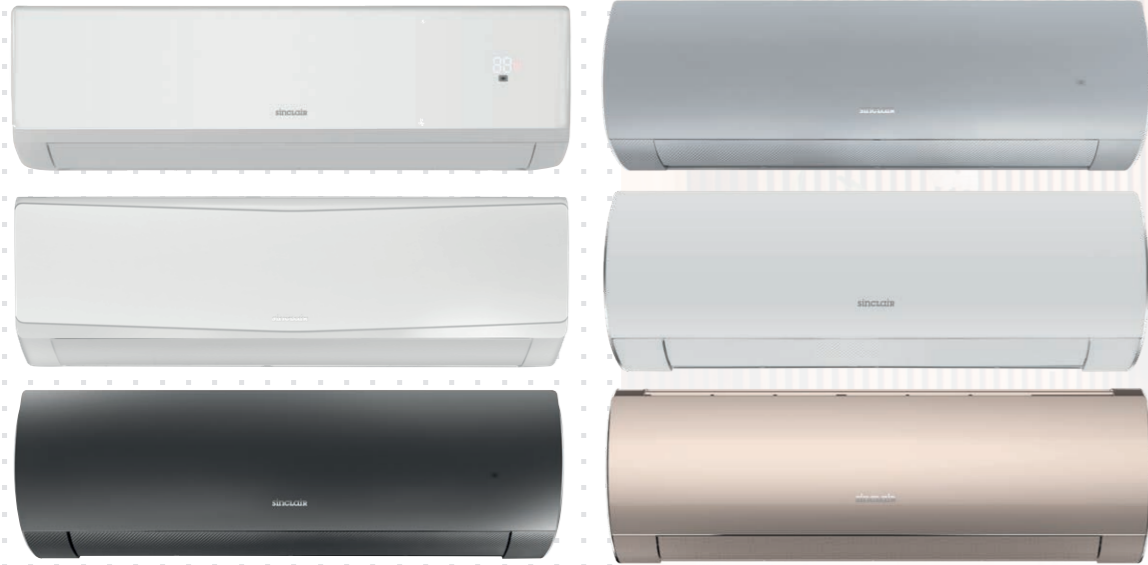
MODEL		MV-E28BI	MV-E36BI	MV-E42BI	
Number of connectable indoor units		2-4	2-4	2-5	
Capacity cooling / heating	kW	8,0 / 9,5	10,5 / 12,0	12,0 / 13,0	
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
SEER / SCOP	-	6,1 / 4,0	6,1 / 4,0	6,1 / 4,0	
Energy class cooling/ heating (Average)	-	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	OD    mm/kg	1001 x 790 x 427 / 69,0	1087 x 1106 x 440 / 90,0	1087 x 1106 x 440 / 90,0	
Operating temperature range cooling/heating	°C	-15-43 / -20-24	-15-43 / -20-24	-15-43 / -20-24	

MULTI VARIABLE  
INDOOR UNITS

# MULTI VARIABLE SERIES

ECOLOGICAL  
REFRIGERANT R32

## WALL MOUNTED UNITS



SIH-XXBIR  
SIH-XXBIK  
SIH-XXBIT

PLASMA+TEC 



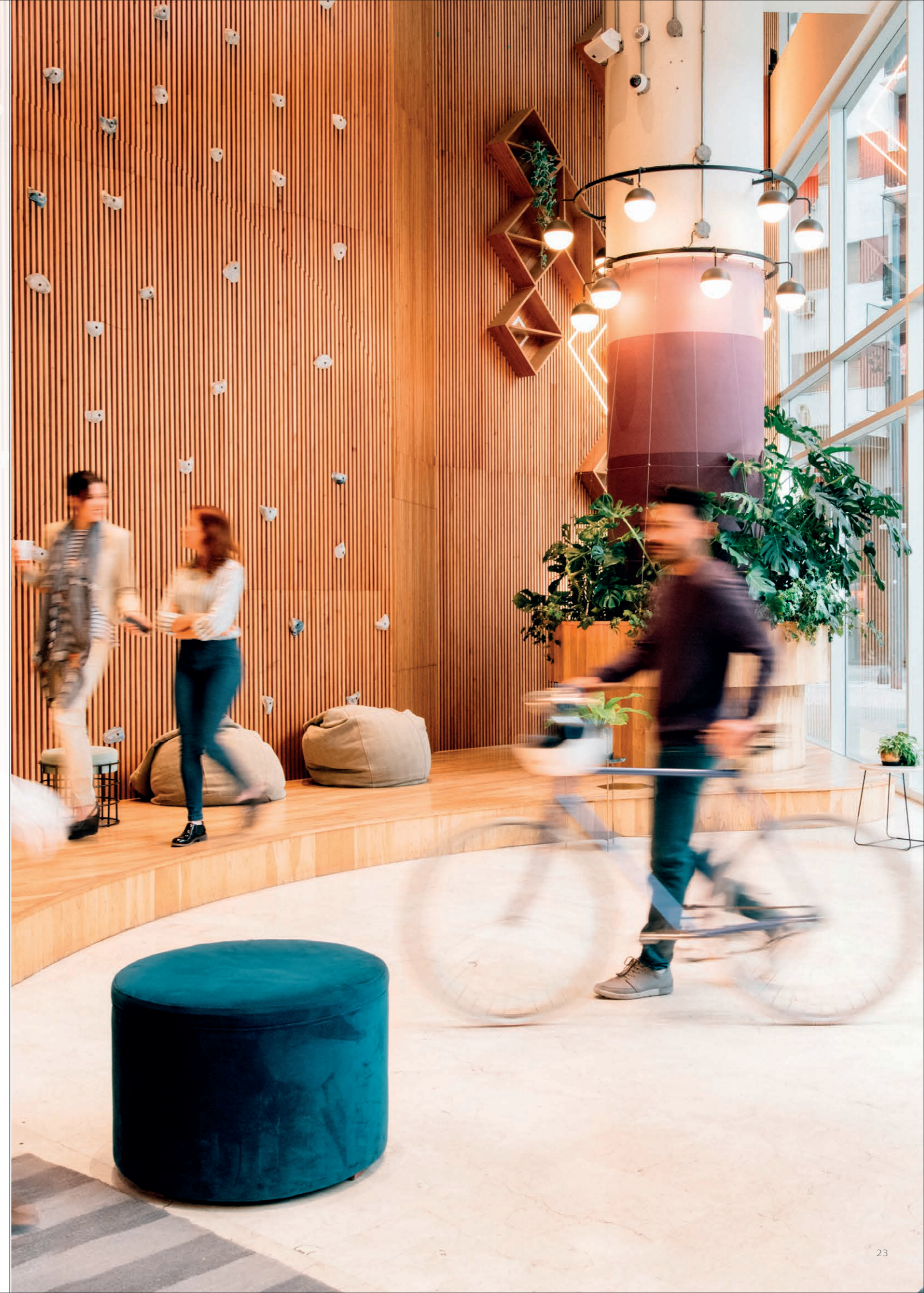
### TECHNICAL PARAMETERS

MODEL		SIH-09BIR	SIH-12BIR	SIH-18BIR	SIH-24BIR
Capacity cooling / heating	kW	2,5 / 2,8	3,2 / 3,4	4,6 / 5,2	6,2 / 6,5
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Sound pressure level at 1m	dB(A)	38/36/32/22	41/37/33/26	44/38/34/31	48/44/40/34
Dimension (w x h x d)/Net weight	mm/kg	698 x 250 x 185 / 7,5	773 x 250 x 185 / 8,0	970 x 300 x 225 / 13,5	970 x 300 x 225 / 13,5

MODEL		SIH-09BIK	SIH-12BIK	SIH-18BIK	SIH-24BIK
Capacity cooling / heating	kW	2,7 / 2,8	3,2 / 3,4	4,6 / 5,2	6,2 / 6,4
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)	40/38/34/23	41/38/36/35/32/29/23	44/42/41/38/37/34/31	48/44/40/34
Dimension (w x h x d)/Net weight	mm/kg	770x251x190 / 8.5	849x289x215 / 10.5	972x300x225 / 13.5	972x300x225 / 13.5

MODEL		SIH-09BITx	SIH-13BITx	SIH-18BITx	SIH-18BITx
Capacity cooling / heating	kW	2,7 / 3,0	3,5 / 3,8	5,2 / 5,6	7,1 / 7,8
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Sound pressure level at 1m	dB(A)	38 / 36 / 34 / 31 / 29 / 27 / 25	42 / 38 / 35 / 32 / 29 / 27 / 25	44 / 43 / 41 / 38 / 36 / 34 / 30	48 / 44 / 41 / 40 / 38 / 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

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



# 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



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	

## FLOOR CEILING UNITS

- Horizontal/vertical position
- Remote and wall controller in standard
- Dry on/off contact



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



ECOLOGICAL REFRIGERANT R32

## 4-WAY CASSETTE UNITS

- Built-in water pump
- Remote and wall controller in standard
- Decorative panel in standard
- Fresh air supply
- Dry on/off contact



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	

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## DUCT UNITS

- Built-in water pump
- Remote and wall controller in standard
- Dry on/off contact

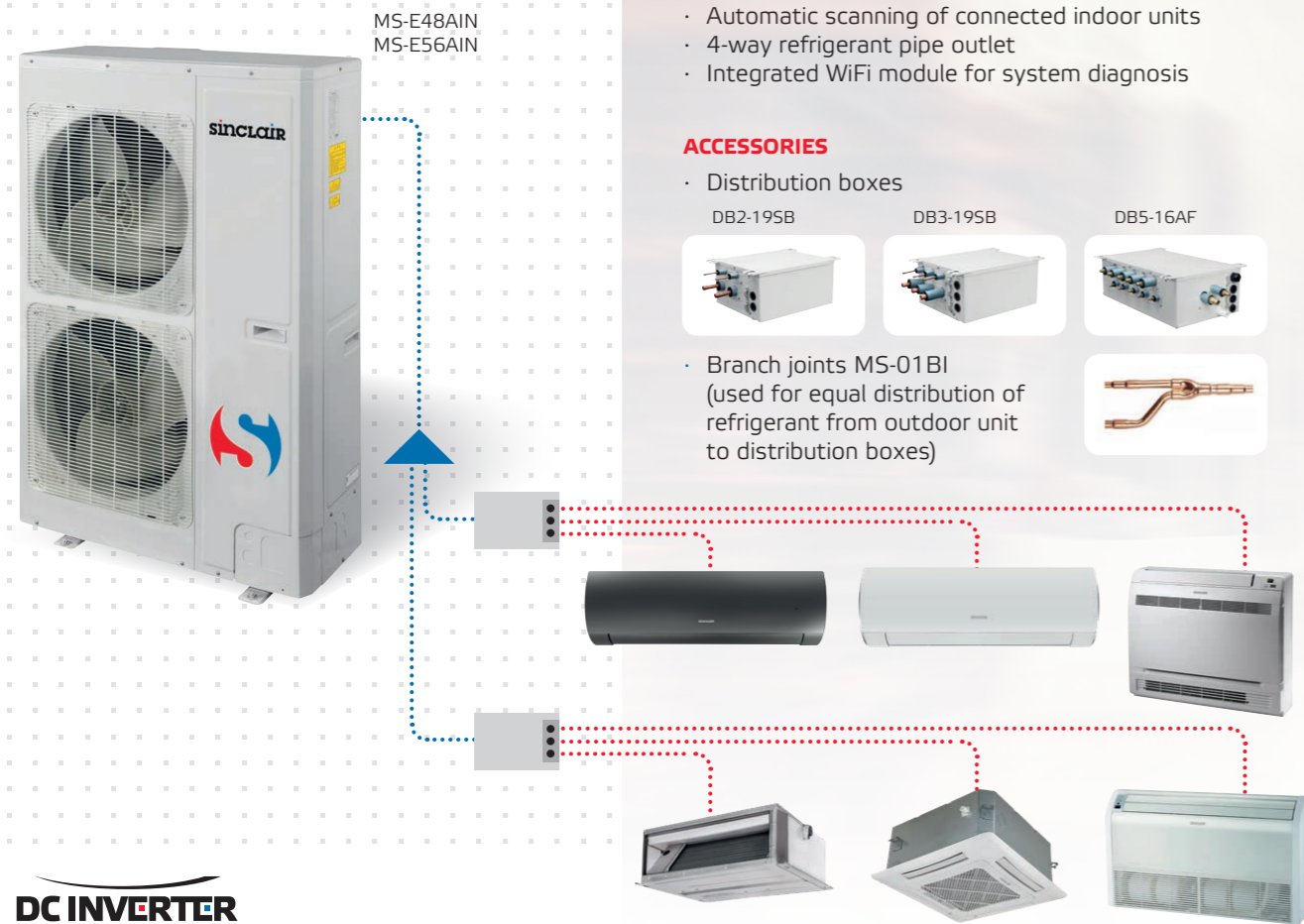


MODEL		MV-D09BI	MV-D12BI	MV-D18BI	MV-D24BI
Capacity cooling / heating	kW	2,5 / 2,8	3,5 / 3,9	5,0 / 5,5	7,1 / 8,0
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Sound pressure level at 1,4m	dB(A)	47/41/37/34/31	49/42/39/35/32	51/43/41/33/-	52/44/42/34/-
Dimension (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



# HIGH POWER MULTI SYSTEM SERIES

**R410A**  
REFRIGERANT



**FEATURES**

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

**ACCESSORIES**

- Distribution boxes  
 DB2-195B    DB3-195B    DB5-16AF
- Branch joints MS-01BI (used for equal distribution of refrigerant from outdoor unit to distribution boxes)

(E.G. MS-E48AIN system connection)  
Total output of all indoor units should be within 50-135 % of maximum output of the outdoor unit.

**TECHNICAL PARAMETERS**

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	°C		18-48/ -10-24	18-48/ -10-24	
DISTRIBUTION BOXES			DB2-195B	DB3-195B	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		600 x 313 x 182	600 x 313 x 182	617 x 410 x 193
Net/ gross weight	kg		5,5 / 7,5	6,0 / 8,0	9,0 / 11,0





OUTDOOR UNITS UNI SPLIT R32

# UNI SPLIT SERIES

## FEATURES

- DC Inverter technology
- Autorestart function
- Anticorrosion treatment of exchangers
- 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
- 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

ECOLOGICAL REFRIGERANT R32



SCMI COMMUNICATION MODULE

## DC INVERTER



## TECHNICAL PARAMETERS

MODEL		ASGE-12BI	ASGE-18BI	ASGE-24BI	ASGE-30BI	ASGE-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 at 1m	dB(A)	50	50	52	53	55
Dimension (w x h x d)/Net weight	mm/kg	818 x 596 x 378 / 37	818 x 596 x 378 / 39	892 x 698 x 396 / 53	920 x 790 x 427 / 60	940 x 820 x 530 / 83
Operating temperature range cooling/heating	°C	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24

MODEL		ASGE-36BI-3	ASGE-42BI-3	ASGE-48BI-3	ASGE-60BI-3
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 at 1m	dB(A)	55	56	57	57
Dimension (w x h x d)/Net weight	mm/kg	940 x 820 x 530 / 89	940 x 820 x 530 / 95	940 x 820 x 530 / 99	900 x 1345 x 412 / 112
Operating temperature range cooling/heating	°C	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24



INDOOR UNITS UNI SPLIT R32

# UNI SPLIT SERIES

ECOLOGICAL  
REFRIGERANT R32

## 4-WAY CASSETTE UNITS

### FEATURES

- Autorestart function
- Water pump
- Dry on/off contact
- Fresh air supply
- Optional WIFI module SWM-03
- Decorative panel in standard
- Remote and wall controller in standard of unit
- Function "I FEEL"
- 8 °C heating



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



### TECHNICAL PARAMETERS

MODEL		ASC-12BI	ASC-18BI	ASC-24BI	ASC-30BI	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
Dimension (w x h x d)/Net weight	ID	mm/kg	570 x 265 x 570 / 17	570 x 265 x 570 / 17	840 x 240 x 840 / 29	840 x 240 x 840 / 29
	Panel	mm/kg	620 x 47,5 x 620 / 3	620 x 47,5 x 620 / 3	950 x 52 x 950 / 6	950 x 52 x 950 / 6
Operating temperature range cooling/heating	°C	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24

MODEL		ASC-36BI	ASC-42BI	ASC-48BI	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
Dimension (w x h x d)/Net weight	ID	mm/kg	840 x 240 x 840 / 31	840 x 290 x 840 / 33	840 x 290 x 840 / 36
	Panel	mm/kg	950 x 52 x 950 / 6	950 x 52 x 950 / 6	950 x 52 x 950 / 6
Operating temperature range cooling/heating	°C	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24



# UNI SPLIT SERIES

## FLOOR-CEILING UNITS

### FEATURES

- Autorestart function
- Dry on/off contact
- Optional WIFI module SWM-03
- Remote and wall controller in standard of unit
- Function "I FEEL"
- 8 °C heating

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



comfort world  
Sinclair



### TECHNICAL PARAMETERS

MODEL		ASF-12BI	ASF-18BI	ASF-24BI	ASF-30BI	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
Dimension (w x h x d)/Net weight	ID   mm/kg	870 x 665 x 235 / 25	870 x 665 x 235 / 26	1200 x 665 x 235 / 31	1200 x 665 x 235 / 31	1200 x 665 x 235 / 32
Operating temperature range cooling/heating	°C	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24

MODEL		ASF-36BI	ASF-42BI	ASF-48BI	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
Dimension (w x h x d)/Net weight	ID   mm/kg	1200 x 665 x 235 / 32	1570 x 665 x 235 / 40	1570 x 665 x 235 / 42	1570 x 665 x 235 / 42
Operating temperature range cooling/heating	°C	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24

## DUCT INDOOR UNITS

### FEATURES

- Autorestart function
- Dry on/off contact
- Water Pump
- Optional WIFI module SWM-03
- Remote and wall controller in standard of unit
- Function "I FEEL"
- 8 °C heating



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



### TECHNICAL PARAMETERS

MODEL		ASD-12BI	ASD-18BI	ASD-24BI	ASD-30BI	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
Dimension (w x h x d)/Net weight	ID   mm/kg	700 x 200 x 450 / 20	1000 x 200 x 450 / 26	1300 x 220 x 450 / 31	1300 x 220 x 450 / 31	1000 x 300 x 700 / 41
Operating temperature range cooling/heating	°C	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24

MODEL		ASD-36BI	ASD-42BI	ASD-48BI	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
Dimension (w x h x d)/Net weight	ID   mm/kg	1000 x 300 x 700 / 41	1400 x 300 x 700 / 50	1400 x 300 x 700 / 50	1400 x 300 x 700 / 57
Operating temperature range cooling/heating	°C	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24	-20-48 / -20-24

## WALL MOUNTED INDOOR UNITS

### FEATURES

- Autorestart function
- Hidden display
- Dual side water outlet
- Function "I FEEL"
- 8 °C heating



NEW

ASH-24BIH  
ASH-36BIH



### TECHNICAL PARAMETERS

MODEL		ASH-24BIH	ASH-36BIH
Capacity cooling / heating	kW	7,0 / 8,0	10,0 / 12,0
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP	-	6,8 / 4,0	6,1 / 4,0
Energy class cooling/ heating (A, W, C)	-	A++ / A+	A++ / A+
Sound pressure level at 1m	ID   dB(A)	45 / 43 / 40	52 / 46 / 43
Dimension (w x h x d)/Net weight	ID   mm/kg	1078 x 246 x 325 / 15,0	1350 x 253 x 326 / 18,0
Operating temperature range cooling/heating	°C	-20-48 / -20-24	-20-48 / -20-24

# HIGH STATIC PRESSURE DUCT

**R410A**  
REFRIGERANT

**FEATURES**

- 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

**OPTIONAL ACCESSORIES**

- Central controller CCM30



ASDH-96AI



**DC INVERTER**



**TECHNICAL PARAMETERS**

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	°C		-15 ~ 48 / -15 ~ 24





SPLIT AIR CONDITIONER

# TOWER SERIES

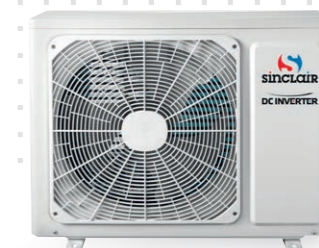
ECOLOGICAL REFRIGERANT R32

### FEATURES

- Designed with an emphasis on aesthetics
- Usable for larger areas such as offices, meeting rooms, restaurants etc.
- 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



AST-24BI



DC INVERTER 



### TECHNICAL PARAMETERS

MODEL			AST-24BI		
Capacity cooling / heating	kW		7,2 / 7,9		
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)	45 / 41 / 38 / 35 / -		
	OD	dB(A)	61		
Dimension (w x h x d)/Net weight	ID	mm/kg	507 x 1770 x 320 / 38,0		
	OD	mm/kg	965 x 700 x 396 / 53,5		
Operating temperature range cooling/heating	°C		-15 ~ 43 / -15 ~ 24		



# WINDOW SERIES

ECOLOGICAL REFRIGERANT R32

### FEATURES

- 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.



ASW-09BI  
ASW-12BI



## DC INVERTER



### TECHNICAL PARAMETERS

MODEL	ASW-09BI		ASW-12BI	
Cooling capacity	kW		3,7	
Power supply	Hz / V		1~ / 50 / 220-240	
SEER	-		3,45	
Energy class cooling	-		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	
Operating temperature range cooling	°C		16 ~ 43	



VEHICLE AIR CONDITIONER

# CAMPER TRAILER SERIES

**R410A**  
REFRIGERANT

INDOOR UNIT ULTRASLIM AND INNOVATIVE DESIGN



ASV-25AS  
ASV-35AS

### FEATURES

- Possibility of control via WiFi
- Operating temperature 2-46 °C
- 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

### OPTIONAL ACCESSORIES

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



### FIX SPEED



### TECHNICAL PARAMETERS

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	53 / 48 / 43 / 38	55 / 49 / 44 / 39
	OD	65 / 55	65 / 55
Dimension (w x h x d)/Net weight	ID	610 x 49 x 485 / 2,7	610 x 49 x 485 / 2,7
	OD	1018 x 259 x 650 / 42,5	1018 x 259 x 650 / 42,5
Operating temperature range cooling/heating	°C	18 - 46 / 2 - 24	18 - 46 / 2 - 24

# BOAT SERIES

## FEATURES

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

**R410A**  
REFRIGERANT



ASB-12A



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



ASB-24A



**FIX SPEED**

## TECHNICAL PARAMETERS

MODEL			ASB-05A	ASB-09A	ASB-12A
Capacity cooling / heating	kW		1,1 / 1,4	2,1 / 2,2	3,1 / 3,2
Power supply	Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
SEER / SCOP			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	

# LOCAL AIR CONDITIONERS

**R290**  
NATURAL  
REFRIGERANT



AMC-11P  
AMC-14P

**FEATURES**

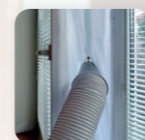
- Auto-protection function
- Independent dehumidifying function
- Rotary compressor
- Exchangeable filter
- 24-hour timer
- Environmentally friendly
- Autorestart function
- 2-year warranty
- Remote controller

**STANDARD ACCESSORIES**

- AMC-WINK window kit

**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-15P control module** - Enables to place the air conditioners outside the room.

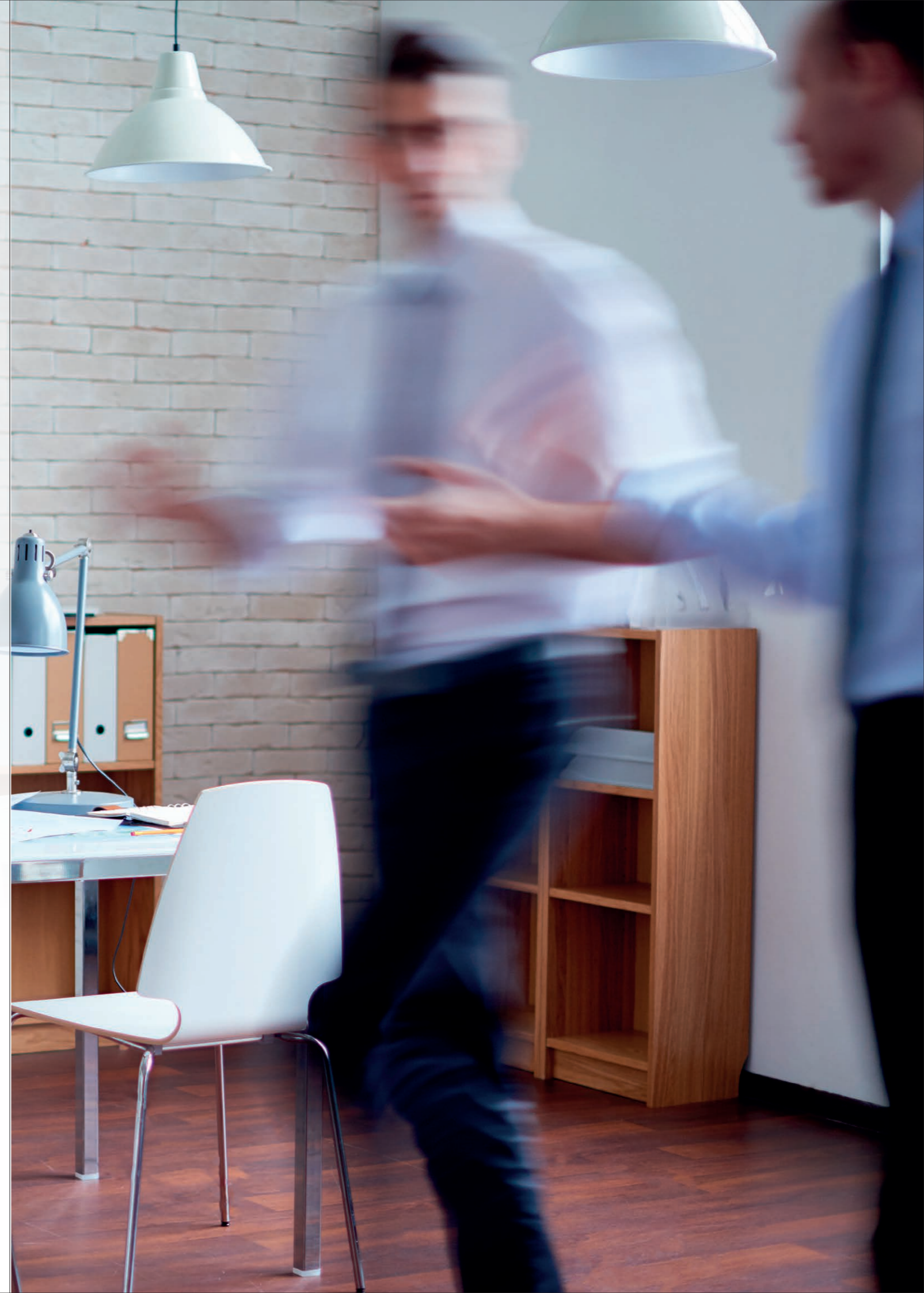


**DC INVERTER**



**TECHNICAL PARAMETERS**

MODEL		AMC-11P	AMC-14P
Capacity cooling / heating	kW	3,0 / 3,0	4,0 / 4,0
Power supply	Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240
EER / COP	-	2,6 / 3,1	2,6 / 3,1
Energy class cooling / heating	-	A / A++	A / A++
Sound pressure level at 1m	ID   dB(A)	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	°C	17-32 / 7-25	17-32 / 7-25





PORTABLE DEVICES

# MOBILE DEHUMIDIFIERS

**R290**  
NATURAL  
REFRIGERANT

## FEATURES

- 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



## TECHNICAL PARAMETERS

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	m <sup>2</sup>	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	°C	5 ~ 32	5 ~ 32	5 ~ 32



# 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 2000h

## 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 <sup>2</sup>	75		
Power supply	Hz / V	1~ / 50 / 220-240		
Cleaning volume	m <sup>3</sup> /h	600		
Sound pressure level at 1m	dB(A)	68 (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

## 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 <sup>2</sup>	10 - 45		
Power supply	Hz / V	1~ / 50 / 220-240		
Cleaning volume	m <sup>3</sup> /h	340		
Sound pressure level at 1m	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		



intelligent world  
Sinclair

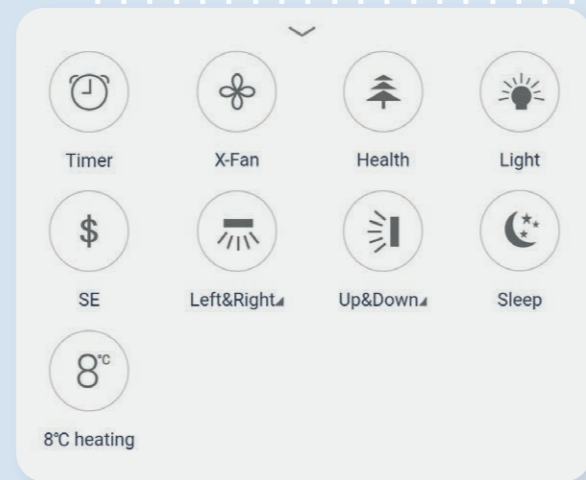
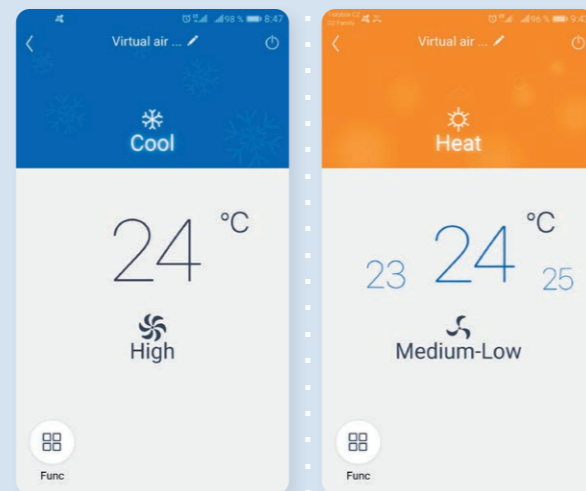
**WIFI EWPE APPLICATION**

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 Wi-Fi network.

The app is available in Google Play and App Store.



**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 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)



**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, group or all units control



**CENTRAL CONTROLLER AND WEEKLY TIMER SCC-16**

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



**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.



**CONTROL MODULE SCMI-03S**

Control module for Air Conditioners in Server Rooms

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



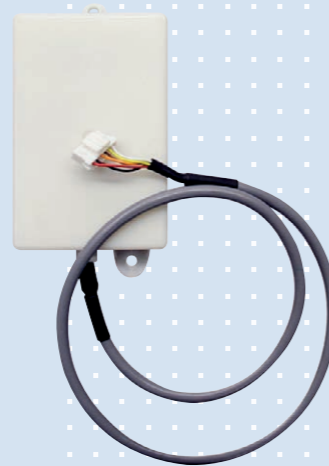
**BACNET GATEWAY SBG-01**

Bacnet gateway allows external control via Bacnet protocol. One gateway can communicate with up to 255 indoor units. The connection is done via SWC-02 or SMG-01.



**MODBUS GATEWAY SMG-01**

- Enables the communication of indoor units of UNI SPLIT series via the Modbus protocol.
- Can be used for connection of external control system, which uses Modbus protocol or for connection of central controller SCC-36 or SCC-16 respectively
- Control software is not included, it has to be field supplied



**ALARM INTERFACE SAI-01**

The SAI-01 is an external, separately powered module, which can be connected to the communication line of wall-mounted air conditioner to indicate the operational or malfunction status of the air conditioner.

**DIAGNOSTIC TOOL SDT-MV**

- 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)



**DIAGNOSTIC TOOL SDT-ASH**

- 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



**GSM MODULE G2S**

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.



**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 TiO<sub>2</sub> 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

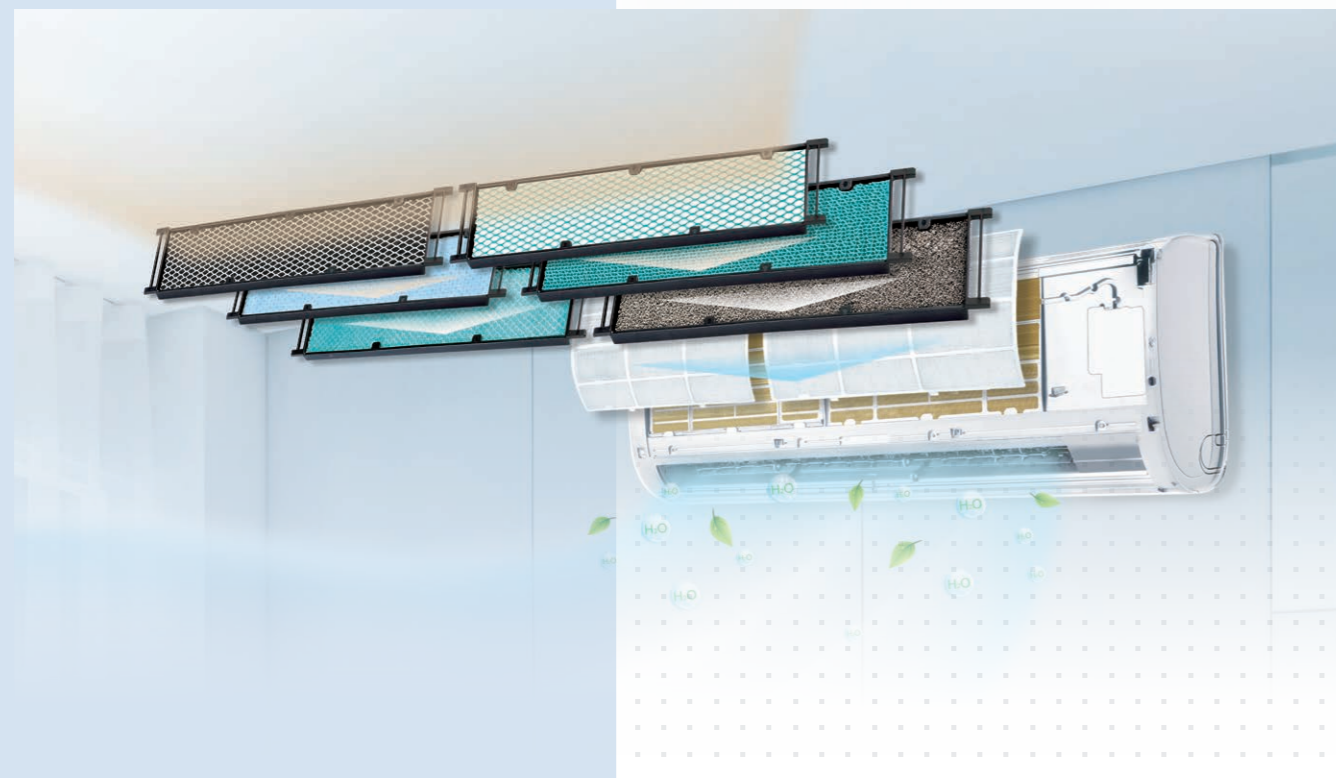
This filter is made of a material with excellent capabilities of sterilizing and capture of dust. When air flows through the filter, dust and bacteria are retained on the filter surface, which is bio-bactericidal. In case of attachment of microbes, bio-bactericidal surface disrupts its metabolism and 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 - aaverage, 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 % CH<sub>3</sub>CH<sub>2</sub>CH<sub>3</sub>) = 3

Air conditioners data are based on following conditions:

Length of connection pipe: 5m. Cooling: indoor temperature 27 °C DB/19 °C WB, outdoor temperature 35 °C DB/24 °C WB. Heating condition: indoor temperature 20 °C DB/15 °C WB, outdoor temperature 7 °C DB/6 °C WB. SEER/SCOP was calculated according to European standards contained in EN14825, based on part load classifying and testing conditions given by norm EN14511.

Dehumidifiers data comply with norm EN810. Dehumidifying volume is measured according to EN60335-2-40, test conditions: DB 30 %, RH 80 %



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