



sendo

FEELING COOL

RESIDENTIAL & LIGHT COMMERCIAL
AIR CONDITIONING



► WELCOME

FEELING COOL

here we are again!

identifying Sendo
by Michalis Gavriilopoulos

Sendo in Japanese means freshness, and that was our basic inspiration to start working on our dream. The challenge was one from the beginning: how to bring this freshness into your home and workplace. Today Sendo changes the quality of the air that we live in and breathe. Using innovative technology, Sendo's products offers you unique value solutions providing superior air quality to your everyday life.



 **sendo**

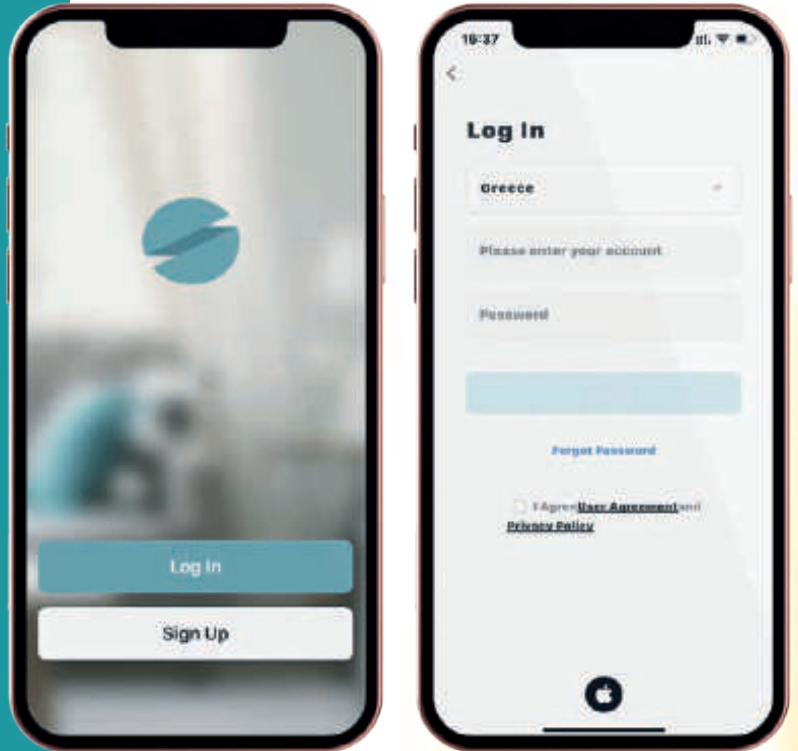
Sendo gives you quality in your life.

► SPECIAL FEATURES

SENDO SMART APP

Google assistant
& Alexa AC control

New Warranty
Activation Procedure:
Scan – insert serial
number – activate



With the new, updated Sendo Smart App, the home control of air conditioning is possible from anywhere. The application gives the advantage to control multiple devices, set a timer to start or stop your AC units and perform all actions a remote control can do. Easy to use and connect to all Sendo devices, this app is turning every space into a smart home. Download Sendo Smart App free from Google Play or App Store.



VOICE CONTROL



▶ BACKSTAGE

BRAND VALUES

answer to 5W

who
why
what
when
where

Sendo's "5W" have long been answered (1.who - 2.why - 3. what - 4.when - 5.where). These 5 brand values are the values that preceded. They are the roots we have created to offer respect to you, the environment and the well-being you deserve! The tree is growing!



**PREMIUM
AIR QUALITY**



**WELLNESS &
HEALTHY LIVING**



**UNIQUE CUSTOMER
EXPERIENCE**



**INSPIRED
BY NATURE**



**PRODUCT
EFFICIENCY**



A world of solutions!

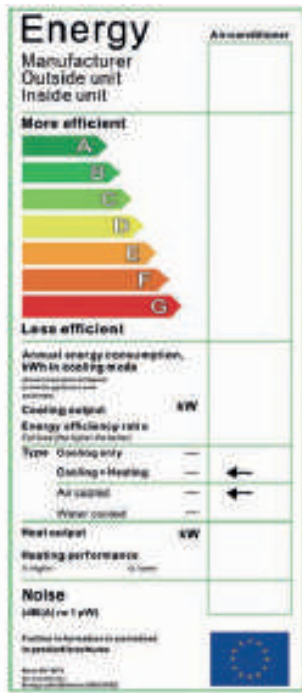


Residential and light commercial air conditioning

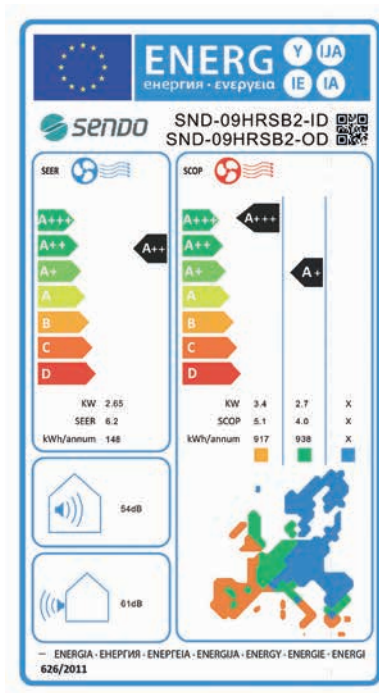
▶ ENERGY LABEL

ENERGY SAVING

Old label



New label



New Requirement for Energy Marking (EU) 626/2011

Three climatic zones for heating (The middle zone is necessary, while the hot and cold zones are optional).

Seasonal performance (performance based on multiple partial load calculations). Sound power level.

The nominal performance concerns only one nominal condition.

Seasonal performance concerns a whole heating and cooling period and indicates more accurately the actual operation.

ENERGY CLASSES

| Energy Efficiency Class | SEER | SCOP |
|-------------------------|--------------------|--------------------|
| A+++ | SEER ≥ 8,50 | SCOP ≥ 5,10 |
| A++ | 6,10 ≤ SEER < 8,50 | 4,60 ≤ SCOP < 5,10 |
| A+ | 5,60 ≤ SEER < 6,10 | 4,00 ≤ SCOP < 4,60 |
| A | 5,10 ≤ SEER < 5,60 | 3,40 ≤ SCOP < 4,00 |
| B | 4,60 ≤ SEER < 5,10 | 3,10 ≤ SCOP < 3,40 |
| C | 4,10 ≤ SEER < 4,60 | 2,80 ≤ SCOP < 3,10 |
| D | 3,60 ≤ SEER < 4,10 | 2,50 ≤ SCOP < 2,80 |
| E | 3,10 ≤ SEER < 3,60 | 2,20 ≤ SCOP < 2,50 |
| F | 2,60 ≤ SEER < 3,10 | 1,90 ≤ SCOP < 2,20 |
| G | SEER < 2,60 | SCOP < 1,90 |

| COMPARISON OF REFRIGERANT'S PROPERTIES: | | | |
|-----------------------------------------|-------------------------------------------|-----------|-----------|
| | R22 | R410A | R32 |
| ODP | 0,05 | 0 | 0 |
| GWP | 1700 | 2088 | 675 |
| Toxicity | Non-toxic | Non-toxic | Non-toxic |
| Flammability | A1 | A1 | A2 |
| Availability | High | High | High |
| Charge volume (compare with R22) | 1,0 | 0,8 | 0,56 |
| [GWP] More enviroment friendly | [CHARGE VOLUME] Less refrigerant | | |



More eco-friendly

The global warming coefficient of the refrigerant R32 is equal to 1/3 of the R410A. Compared to the traditional R410A, the R32 is more environmentally friendly. It is a one-component refrigerant and is thus easier to manage and recycle.

Higher efficiency

Under the same conditions and operating frequency of the compressor, R32's cooling efficiency and energy efficiency is about 5% higher than R410A's. Therefore, R32 products are more energy efficient.

Smaller filling volume

Compared to R410A and R22, refrigerant R32 requires a smaller filling volume.

The F-Gas European regulation (517/2014) has been in force since 1st January 2015 and will progressively cease the use of hydrofluorocarbons (HFCs) in future cooling and heating systems. Sendo already offers a new cooling and heating system that operates with R32 refrigerant, which will be the alternative to the R410A in the coming years.

► SPECIAL FEATURES

SELF CLEANING

split function



The overall process helps in keeping the inner part of the unit clean and prevents the growth of bacteria.



Function
mark icon

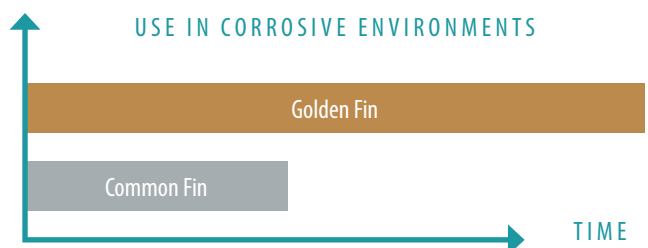
With this function activated, the indoor unit operates in low speed fan cooling mode for a certain period of time during which the condensation water will remove the dust from the evaporator fins. The unit will then continue into low speed fan heating mode by drying the inner part of the indoor unit. Finally, the unit passes into the simple ventilation mode and removes the remaining humid air.

► SPECIAL FEATURES

GOLDEN FIN

split function

It withstands rain,
sea air and other
corrosive
environments.





Function
mark icon

The golden hydrophilic fin can improve heating efficiency as it accelerates the process of defrosting. The unique anti-corrosion gold coating on the condenser can withstand rain, sea air and other corrosive environments.

▶ SPECIAL FEATURES

FRESH AIR

fresh air technology

Hcho
Bacteria



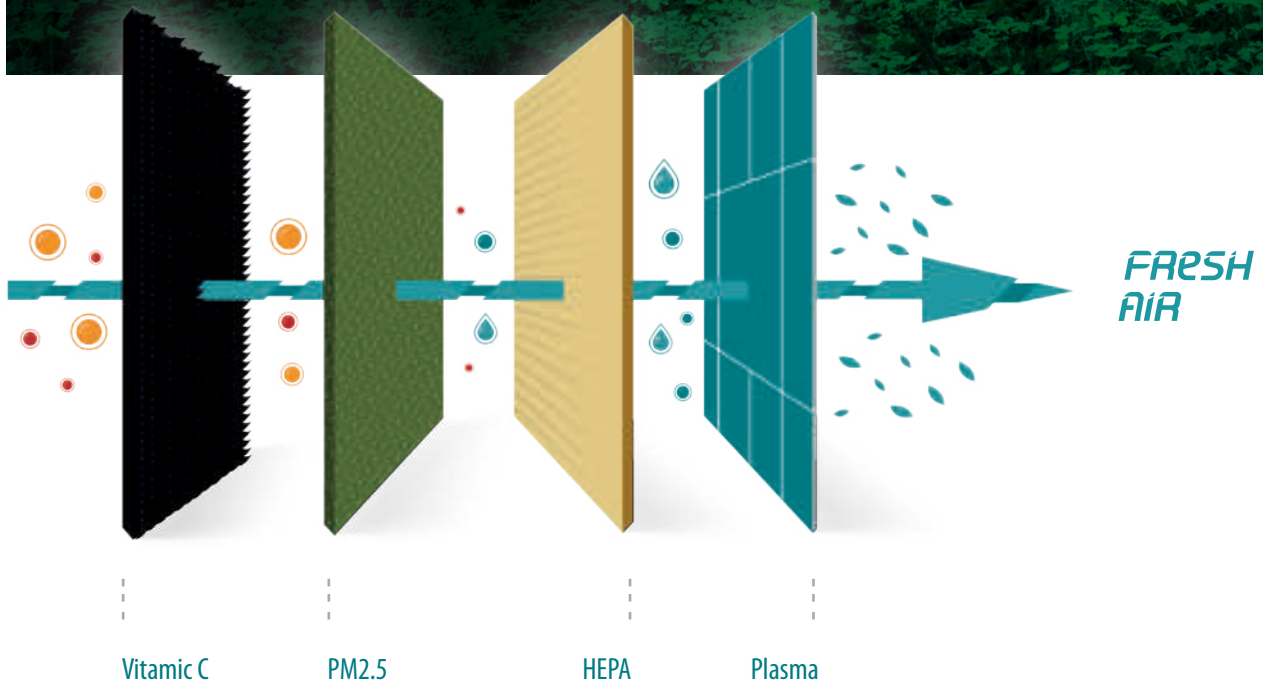
Adsorb

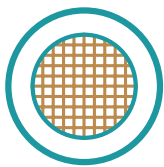


Crystallize



Resolve

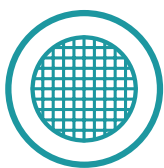




Function
mark icon

Vitamin C & Antimites Filter:

The vitamin C filter softens the skin and reduces the stress level as it releases vitamin C in the area. The service life of the vitamin C filter is approximately 2 years.



Function
mark icon

Sterilizing Filter:

The sterilization filter exterminates all bacteria.

▶ SPECIAL FEATURES

HIGH RESISTANCE DESIGN

split function





Increased load
resistance of 15%

30% reduction in breaks
during transport

► SPECIAL FEATURES

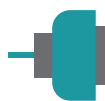
ALMOST QUIET



Improved air chamber design, large diameter impeller equipment and high efficiency PG engine help the indoor unit to provide better air distribution and flow with an exceptionally low noise level of 20 dB, thus providing comfortable night-time conditions.



Large diameter and uneven parts impeller



Indoor unit PG engine



High quality sound absorbing material



High efficiency hot refrigerant gas silencer

 *sendo*



► RESIDENTIAL AIR CONDITIONING

WALL UNITS

ARIS *pg. 28*

IKAROS *pg. 30*

CRONUS *pg. 32*

ZEAS *pg. 34*

AEOLOS *pg. 36*

AEOLOS COLOR *pg. 40*

HERMES *pg. 42*

HERMES GOLD *pg. 44*

PEGASUS *pg. 46*

AION *pg. 48*



ARIS series



R32



INVERTER



Wi-Fi ready



Low operating voltage range 130 ~ 270V



3D air flow

Improves the air distribution and flow, making you feel more comfortable.



Value for money

Best quality / price ratio.

B

A

S

I

C

M

O

D

E

S



Auto defrost



Self-diagnosis of faults



Sleep mode



Turbo mode



Auto restart



Timer



Antibacterial function



Self-cleaning function



Air flow up and down



Follow me mode

VALUE REACHES
NEW DESTINATIONS



WALL UE



Table of technical
characteristics
pg. 74

RESIDENTIAL / WALL / ARIS

IKAROS series



R 32



INVERTER



Wi-Fi



EXTRA FILTERS



Low voltage operation

The air conditioner can operate at an input voltage lowered to 170V.



Long air flow distance

The air flow distance can reach 15m.



Soundless design

A large compressor in conjunction with the best heat exchange system ensures better cooling performance.

B

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Auto defrost



Self-diagnosis of faults



Sleep mode



Turbo mode



Auto restart



Timer



Antibacterial function



Self-cleaning function



Air flow up and down



Follow me mode

HELLO SILENCE
MY BEST FRIEND



Table of technical
characteristics
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RESIDENTIAL / WALL / IKAROS

CRONUS series



R32



INVERTER



Wi-Fi



HEALTH MODE



PM2.5



Low voltage operation

The air conditioner can operate at an input voltage lowered to 170V.



Long air flow distance

The air flow distance can reach 15m.



Soundless design

A large compressor in conjunction with the best heat exchange system ensures better cooling performance.

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Auto defrost



Self-diagnosis of faults



Sleep mode



Turbo mode



Auto restart



Timer



Antibacterial function



Self-cleaning function



Air flow up and down



Follow me mode

THE POWER
OF NATURE



PO WER

Table of technical
characteristics
pg. 76

RESIDENTIAL / WALL / CRONUS

ZEAS series



R32



INVERTER



Wi-Fi STD



EXTRA FILTERS



Low operating voltage range 130 ~ 270V



3D air flow

Improves the air distribution and flow, making you feel more comfortable.



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Best quality / price ratio.

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Auto defrost



Self-diagnosis of faults



Sleep mode



Turbo mode



Auto restart



Timer



Antibacterial function



Self-cleaning function



Air flow up and down



Follow me mode



AEOLOS series



R32



INVERTER



Wi-Fi



EXTRA FILTERS



GOLDEN FIN



Low operating voltage range 130 ~ 270V



4D air flow

Balanced airflow with range up to 18m and more precise temperature regulation.



Quadruple color selection

Available in: White, silver-gray, bordeaux and black.



Soundless design

A large compressor in conjunction with the best heat exchange system ensures better cooling performance.

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Auto defrost



Self-diagnosis of faults



Sleep mode



Turbo mode



Auto restart



Timer



Antibacterial function



Self-cleaning function



Air flow up and down



Follow me mode

AIR MOTIVATION,
NEW PORTS

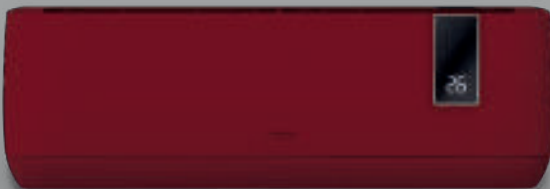
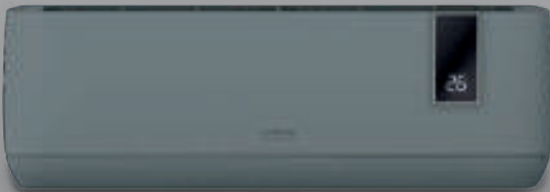


Table of technical
characteristics
pg. 78

RESIDENTIAL / WALL / AEOLOS

▶ SPECIAL FEATURES

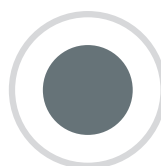
COLOR⁴ PALLETE



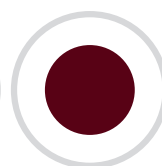
AEOLOS
series



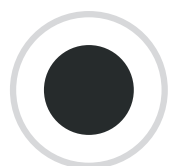
WHITE
#1



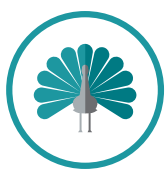
SILVER-GRAY
#2



BORDEAUX
#3



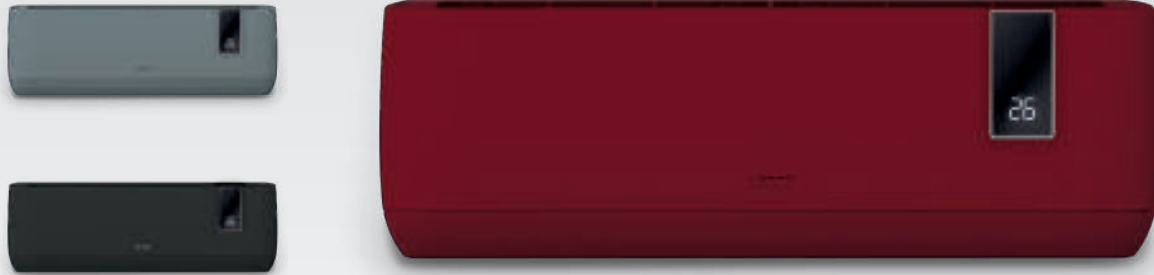
BLACK
#4



Function
mark icon

The elegant design philosophy incorporates the digital temperature indication and comes with a quadruple color palette and gives a distinct personality to the Aeolos air conditioning unit. White, silver-gray, bordeaux and black are the four shades of the palette, designed to match different decorations and environments, in the best possible way.

AEOLOS COLOR



R32



INVERTER



Wi-Fi



EXTRA FILTERS



GOLDEN FIN



Low operating voltage range 130 ~ 270V



4D air flow

Balanced airflow with range up to 18m and more precise temperature regulation.



Quadruple color selection

Available in: White, silver-gray, bordeaux and black.



Soundless design

A large compressor in conjunction with the best heat exchange system ensures better cooling performance.

B

A

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Auto defrost



Self-diagnosis of faults



Sleep mode



Turbo mode



Auto restart



Timer



Antibacterial function



Self-cleaning function



Air flow up and down



Follow me mode

PERSONALITY,
COLOR PALETTE



PERSONALITY

Table of technical
characteristics
pg. 78

RESIDENTIAL / WALL / AEOLOS COLOR

HERMES series



R32



INVERTER



Wi-Fi



PLASMA



GOLDEN FIN



Low operating voltage range 130 ~ 270V



4D air flow

Balanced airflow with range up to 18m and more precise temperature regulation.



Soundless design

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B

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Auto defrost



Self-diagnosis of faults



Sleep mode



Turbo mode



Auto restart



Timer



Antibacterial function



Self-cleaning function



Air flow up and down



Follow me mode

REACHING
FRESHNESS
LEGACY



LEGACY

Table of technical
characteristics
pg. 79

RESIDENTIAL / WALL / HERMES

HERMES GOLD



R32



INVERTER



Wi-Fi



PLASMA



GOLDEN FIN



Low operating voltage range 130 ~ 270V



4D air flow

Balanced airflow with range up to 18m and more precise temperature regulation.



Soundless design

A large compressor in conjunction with the best heat exchange system ensures better cooling performance.

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Auto defrost



Self-diagnosis of faults



Sleep mode



Turbo mode



Auto restart



Timer



Antibacterial function



Self-cleaning function



Air flow up and down



Follow me mode

NOTHING ELSE
MATTERS BUT
SUPREMACY



Table of technical
characteristics
pg. 79

RESIDENTIAL / WALL / HERMES GOLD

PEGASUS



Low operating voltage range 130 ~ 270V



4D air flow

Balanced airflow with range up to 18m and more precise temperature regulation.



Soundless design

A large compressor in conjunction with the best heat exchange system ensures better cooling performance.

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Auto defrost



Self-diagnosis of faults



Sleep mode



Turbo mode



Auto restart



Timer



Antibacterial function



Self-cleaning function



Air flow up and down



Follow me mode

REACHING
FRESHNESS
LEGACY



LE GA CY



Table of technical
characteristics
pg. 80

RESIDENTIAL / WALL / PEGASUS

AION series



R 32



INVERTER



Wi-Fi



EXTRA FILTERS



GOLDEN FIN



HOTEL MENU



UVC AIR STERILIZER



Low operating voltage range 130 ~ 270V



4D air flow

Balanced airflow with range up to 18m and more precise temperature regulation.



Soundless design

A large compressor in conjunction with the best heat exchange system ensures better cooling performance.

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Auto defrost



Self-diagnosis of faults



Sleep mode



Turbo mode



Auto restart



Timer



Antibacterial function



Self-cleaning function



Air flow up and down



Follow me mode



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characteristics
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RESIDENTIAL / WALL / AION



► **LIGHT COMMERCIAL
AIR CONDITIONING**

FLOOR STANDING CABINETS

ARTEMIS *pg. 52*

ATHENA *pg. 54*

MULTI SPLIT *pg. 56*

AIR CONDITIONING UNITS
DUCT *pg. 58*

AIR CONDITIONING UNITS
CASSETTE TYPE *pg. 60*

AIR CONDITIONING UNITS
FLOOR-CEILING *pg. 62*

CONSOLE *pg. 64*

HEAT PUMPS *pg. 66*



ARTEMIS

FLOOR STANDING



50.000 BTU



R 32



INVERTER



Copper pipes with internal grooves

Internal grooves in high-quality copper piping increase the overall surface interface of copper, resulting in excellent thermal conductivity (thermal conductivity of copper piping increases by 20-30% compared to simple smooth inner surface piping).



Large volume air supply

Large diameter fan impellers offer a volume of air flow up to 780m³ (12k) with low noise levels.

B A S I C M O D E S



Timer



Auto restart



Auto defrost



Low temperature operation



2 ways of pipe connection



Electrical resistance



Self-diagnosis of faults



Sleep mode



Turbo mode



Self-cleaning function



Golden protection



Smart touch panel

BRONZE COSTS,
GOLD PERFORMANCE



Table of technical
characteristics
pg. 84-85

LIGHT COMMERCIAL / FLOOR STANDING CABINETS / ARTEMIS

ATHENA

FLOOR STANDING



60.000 BTU



R410

On-Off
Technology



B A S I C M O D E S



Self-diagnosis
of faults



Timer



Auto
restart



Turbo
mode



Auto
defrost



Low temperature
operation



Sleep
mode



2 ways of pipe
connection

ONLY SKY
IS THE LIMIT



Table of technical
characteristics
pg. 86

LIGHT COMMERCIAL / FLOOR STANDING CABINETS / ATHENA

MULTI SPLIT



9.000 - 42.000 BTU



wall unit
AEOLOS



wall unit
ZEAS



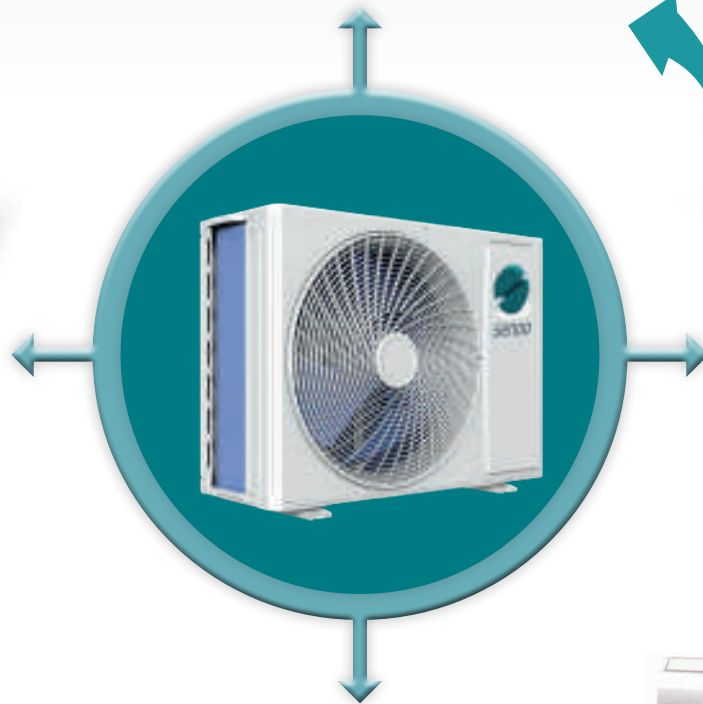
R 32



INVERTER



cassette unit
round air flow



duct unit



ceiling and floor unit



console

Connecting an external unit with multiple air conditioning units of different types.

ONE FOR ALL
& ALL FOR ONE



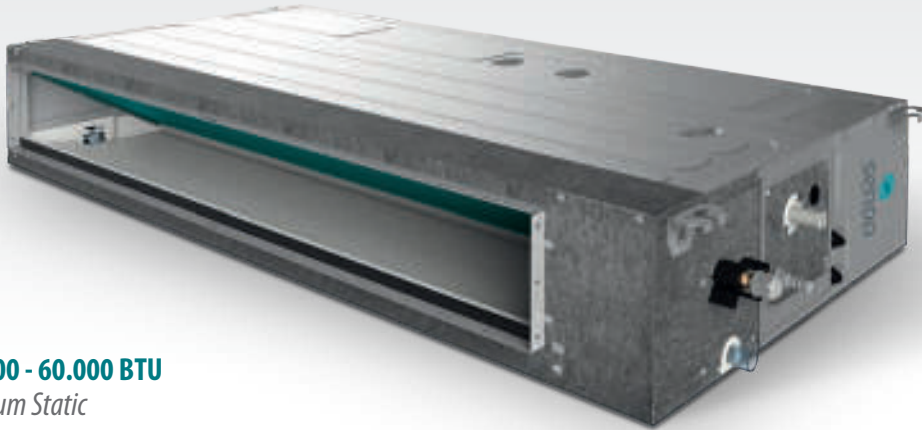
Table of technical
characteristics
pg. 87-109

LIGHT COMMERCIAL / MULTI SPLIT

DUCT AIR CONDITIONING UNITS



SUPER SLIM DESIGN



Wi-Fi
READY



R32



INVERTER

12.000 - 60.000 BTU
Medium Static



Centrifugal design impeller with low noise level and large air supply.



By installing the air return duct in the external environment, fresh air intake and preservation of the indoor environment are achieved at high levels of freshness.



Condensates pump.

B

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Timer



Auto
restart



Sleep
mode



Low temperature
mode



Multi-speed
external unit fan



Clean
air



Wired
controller

SLIM DESIGN
XLARGE PERFORMANCE



Table of technical
characteristics
pg. 101-103

LIGHT COMMERCIAL / DUCT AIR CONDITIONING UNITS

CASSETTE-TYPE AIR CONDITIONING UNITS



LOW PROFILE SUPER SLIM DESIGN



12.000 - 60.000 BTU



Wi-Fi
READY



R32

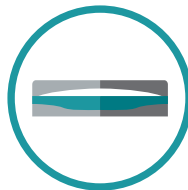


INVERTER

New improved panel with a simple, functional and stylish look for different applications in offices, shopping centers, restaurants, conference places, etc.



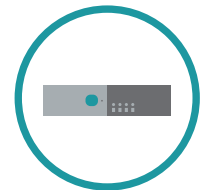
Low
profile



New
blinds



Maintenance
port



New light indicators
for the standard panel



With circular air flow, air can reach everywhere in the air-conditioned area, providing a stable and comfortable temperature environment.

FEEL THE AIR
ALL AROUND YOU



Table of technical
characteristics
pg. 104-106

LIGHT COMMERCIAL / CASSETTE-TYPE AIR CONDITIONING UNITS

FLOOR - CEILING AIR CONDITIONING UNITS

18.000 - 60.000 BTU



Wi-Fi
READY



R32

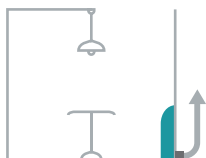


INVERTER



**Flexible installation with the ability to hang
the unit from the ceiling or mount it on the floor.**

*Automatic movement of the blinds using 2 drive motors
for adjustment both in horizontal and vertical direction.*



**The condensates pump (optional)
has a water rising capacity of up to 700mm.**

UP OR DOWN,
IT REMAINS TOP



Table of technical
characteristics
pg. 107-108

LIGHT COMMERCIAL / FLOOR-CEILING AIR CONDITIONING UNITS

CONSOLE

SLIM DESIGN



12.000BTU – 18.000BTU
Medium Static



Wi-Fi
READY



R 32



INVERTER



Dual air outlet for exceptional cooling-heating performance and energy savings.



Soundless design

B



Timer

A



Auto
restart

S



Sleep
mode

I



Low temperature
operation

C

M



Multi-speed
external unit fan

O

D



Clean
air

E



Wired
controller

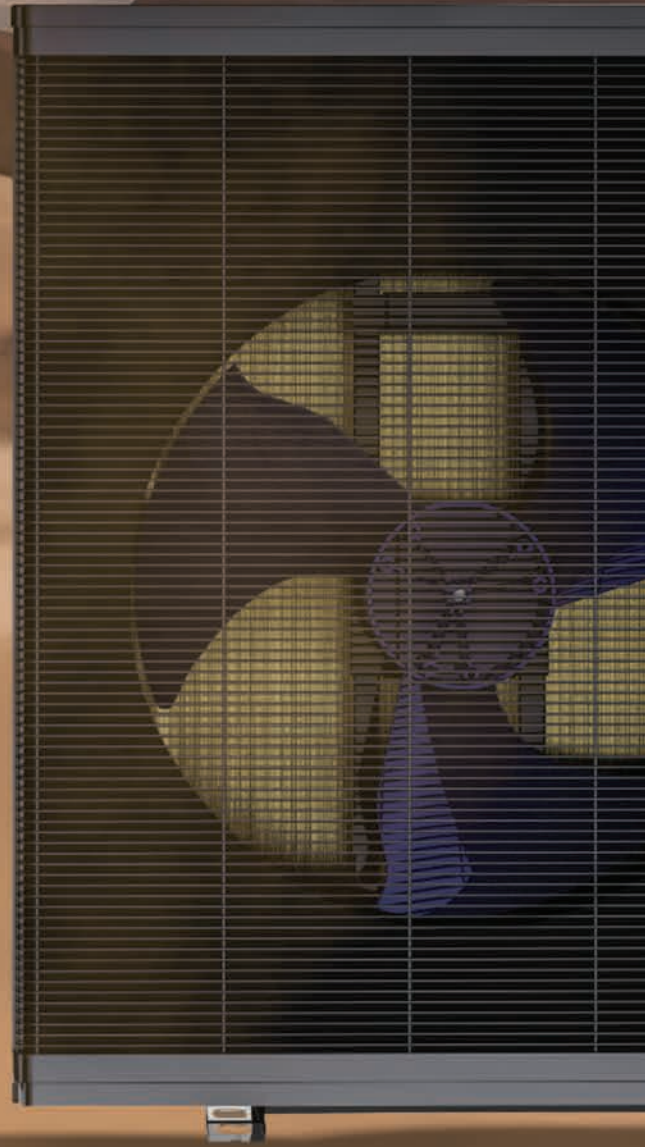
S

CONTROLLED
ACTION



Table of technical
characteristics
pg. 109

43°



▶ HEAT PUMPS

HERO X

-25°

sendo

HERO X₅

 **sendo**

HEAT PUMPS

HERO X_R



Wi-Fi



INVERTER



R32



8KW – 23KW

With a wide range of connectivity, from household air conditioners to underfloor ones, an integrated pump circulator and electronic thermostat, they constitute the ideal solution since they combine low cost with advanced technology.



Integrated circulator



Pressure gauge



Integrated thermostat

ELEVATING
TO NEW
HEIGHTS



ELE VA TE



Table of technical
characteristics
pg. 110

LIGHT COMMERCIAL / HEAT PUMPS / HERO XR

HEAT PUMPS

HERO X₅



Wi-Fi



INVERTER



R290



8KW – 22KW



→ SG ready →

PV ready →



The smart grid connects to the heat pump via the SG switch interface and EVU interface. The heat pump determines the power status of the grid through the SG and EVU interconnection states and adjusts its operating mode according to the different network conditions of the heat pump.



Integrated circulator



Pressure gauge



Integrated thermostat

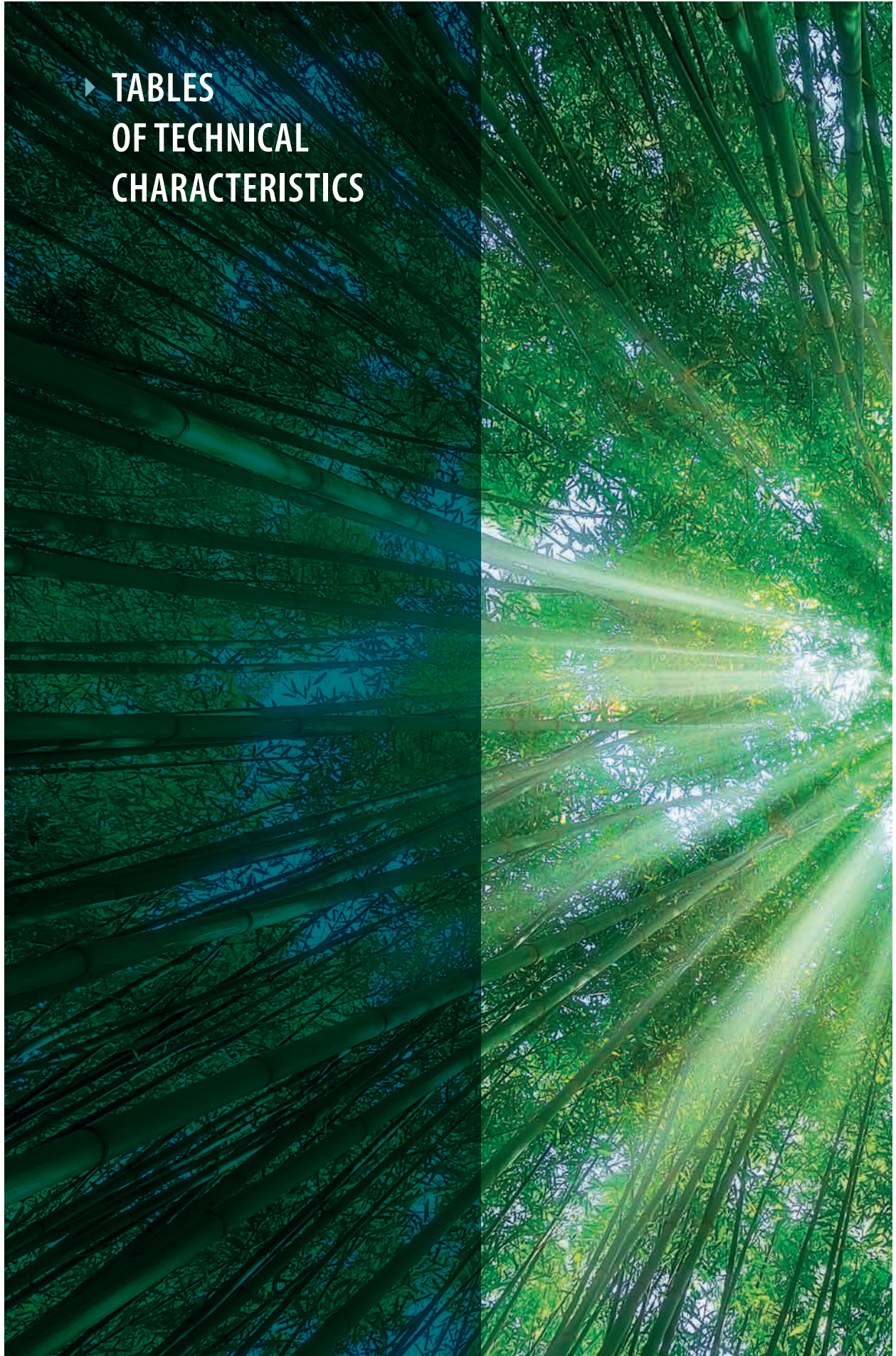
A scenic landscape photograph of a geothermal area, likely a hot spring or geyser field, with steam rising from the ground and a mountain in the background under a clear blue sky. The word "NATURAL WARMTH" is overlaid in large, semi-transparent, white, sans-serif capital letters.

NATURAL WARMTH

Table of technical
characteristics
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LIGHT COMMERCIAL / HEAT PUMPS / HERO XS

▶ TABLES
OF TECHNICAL
CHARACTERISTICS







| Model | | | SND - 09 ARS | SND - 12 ARS | SND - 18 ARS | SND - 24 ARS | |
|----------------------------|-------------------------------------------|----------------------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| Parameters | Nominal Performance | Cooling | W | 2600 (680 - 3100) | 3400 (800 - 3800) | 5120 (1350 - 5300) | 6700 (1800 - 7400) |
| | | Heating | W | 2610 (820 - 3400) | 3500 (1050 - 4200) | 5200 (1380 - 5300) | 7200 (1820 - 8200) |
| | Consumption | Cooling | W | 850 (180 - 1600) | 1340 (200 - 1500) | 1670 (280 - 1800) | 2200 (230 - 2760) |
| | | Heating | W | 850 (320 - 1600) | 1100 (320 - 1600) | 1420 (220 - 1500) | 2220 (230 - 2530) |
| | Operating Current | Cooling | A | 3,9 (0,9 - 6,9) | 5,9 (0,8 - 6,6) | 7,4 (1,2 - 7,9) | 10,0 (1,0 - 12) |
| | | Heating | A | 3,0 (1,3 - 6,9) | 4,1 (0,8 - 6,1) | 6,2 (1,0 - 6,6) | 9,5 (1,0 - 11) |
| | Maximum Input Power | | W | 1600 | 1600 | 1900 | 3400 |
| | Maximum Input Current | | A | 9,5 | 9,5 | 12 | 16 |
| | EER Cooling | | W / W | 6,18 / A++ | 6,20 / A++ | 6,70 / A++ | 6,53 / A++ |
| | SCOP Heating | | W / W | 4,00 / A+ | 4,03 / A+ | 4,08 / A+ | 4,09 / A+ |
| | SCOP Heating (Warm Climate) | | W / W | 5,10 / A+++ | 5,18 / A+++ | 5,30 / A+++ | 5,27 / A+++ |
| | Voltage / Phase / Frequency (V / Ph / Hz) | | V / Ph / Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz |
| | Refrigerant | | | R32 | R32 | R32 | R32 |
| | Refrigerant Quantity / g | | g | 510 | 550 | 550 | 1300 |
| | Maximum Discharge Pressure | | Mpa | 4,3 | 4,3 | 4,3 | 4,3 |
| | Maximum Suction Pressure | | Mpa | 2,5 | 2,5 | 2,5 | 2,5 |
| | Air Flow | | m ³ / h | 550 | 600 | 850 | 1300 |
| | Noise Level | Indoor Unit (Low / Med / High) | dB (A) | 28 / 46 / 53 | 28 / 46 / 54 | 31 / 45 / 57 | 34 / 49 / 63 |
| | | Outdoor Unit | dB (A) | 61 | 61 | 62 | 66 |
| | Net Weight (Indoor) | | Kg | 7 | 8 | 10 | 14 |
| Net Weight (Outdoor) | | Kg | 18 | 18 | 23 | 39 | |
| Piping Size | Liquid Line mm (inches) | | mm (inch) | 1/4 | 1/4 | 1/4 | 1/4 |
| | Liquid Line mm (inches) | | mm (inch) | 3/8 | 3/8 | 1/2 | 5/8 |
| | Maximum Pipe Length | | m | 20 | 20 | 25 | 25 |
| | Maximum Pipe Height | | m | 10 | 10 | 15 | 15 |
| | Additional Refrigerant / m | | g / m | 15 | 15 | 25 | 25 |
| | Minimum Piping Length Addition | | m | 3 | 3 | 3 | 3 |
| Wiring Size | Power Cable | | mm | 3 x 1,5 | 3 x 1,5 | 3 x 2,5 | 3 x 2,5 |
| | Indoor and Outdoor Connection Cable | | mm | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 |
| Indoor Unit Configuration | Dimensions | Net Dimension (W x D x H) | mm | 690 x 199 x 283 | 750 x 200 x 285 | 900 x 225 x 310 | 1082 x 233 x 330 |
| | | Packaging Dimensions (W x D x H) | mm | 760 x 347 x 277 | 820 x 347 x 277 | 970 x 382 x 302 | 1155 x 397 x 312 |
| Outdoor Unit Configuration | Compressor Type | | | GSX 088BKQA6JT8 | GSX 088BKQA6JT8 | KSN 98D25UER3 | C-6RZ146H3DEF |
| | Dimensions | Net Dimension (W x D x H) | mm | 650 x 233 x 456 | 650 x 233 x 456 | 715 x 280 x 537 | 900 x 350 x 700 |
| | | Packaging Dimensions (W x D x H) | mm | 760 x 315 x 510 | 760 x 315 x 510 | 825 x 345 x 595 | 1020 x 430 x 770 |
| Operating Temperature | Operating Range (Cooling) | | °C | 16 - 49 | 16 - 49 | 16 - 49 | 16 - 49 |
| | Operating Range (Heating) | | °C | -15 - 30 | -15 - 30 | -15 - 30 | -15 - 30 |

The company reserves the right to change the technical characteristics without notice.



| Model | SND - 09 IKS | SND - 12 IKS | SND - 18 IKS | SND - 24 IKS |
|-------|--------------|--------------|--------------|--------------|
|-------|--------------|--------------|--------------|--------------|

| Parameters | | Nominal Performance | Cooling | W | 2600 (680 - 3100) | 3400 (800 - 3800) | 5120 (1350 - 5300) | 6700 (1800 - 7400) |
|-----------------------------|-----------------------------------|-------------------------------------|------------------|-------------------|-------------------|--------------------|--------------------|--------------------|
| | | Nominal Performance | Heating | W | 2610 (820 - 3400) | 3500 (1050 - 4200) | 5200 (1380 - 5300) | 7200 (1820 - 8200) |
| Consumption | Cooling | W | 850 (180 - 1600) | 1340 (200 - 1500) | 1670 (280 - 1800) | 2200 (230 - 2760) | | |
| | Heating | W | 850 (320 - 1600) | 1100 (320 - 1600) | 1420 (220 - 1500) | 2220 (230 - 2530) | | |
| Operating Current | Cooling | A | 3,9 (0,9 - 6,9) | 5,9 (0,8 - 6,6) | 7,4 (1,2 - 7,9) | 10,0 (1,0 - 12) | | |
| | Heating | A | 3,0 (1,3 - 6,9) | 4,1 (0,8 - 6,1) | 6,2 (1,0 - 6,6) | 9,5 (1,0 - 11) | | |
| Maximum Input Power | | W | 1600 | 1600 | 1900 | 3400 | | |
| Maximum Input Current | | A | 9,5 | 9,5 | 12 | 16 | | |
| EER Cooling | | W/W | 6,18 / A++ | 6,20 / A++ | 6,70 / A++ | 6,53 / A++ | | |
| SCOP Heating | | W/W | 4,00 / A+ | 4,03 / A+ | 4,08 / A+ | 4,09 / A+ | | |
| SCOP Heating (Warm Climate) | | W/W | 5,10 / A+++ | 5,18 / A+++ | 5,30 / A+++ | 5,27 / A+++ | | |
| Voltage / Phase / Frequency | | V / Ph / Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | | |
| Refrigerant | | | R32 | R32 | R32 | R32 | | |
| Refrigerant Quantity / g | | g | 510 | 550 | 550 | 1300 | | |
| Maximum Discharge Pressure | | Mpa | 4,3 | 4,3 | 4,3 | 4,3 | | |
| Maximum Suction Pressure | | Mpa | 2,5 | 2,5 | 2,5 | 2,5 | | |
| Air Flow | | m ³ / h | 550 | 600 | 850 | 1300 | | |
| Noise Level | Indoor Unit (Low / Med / High) | dB (A) | 28 / 46 / 53 | 28 / 46 / 54 | 31 / 45 / 57 | 34 / 49 / 63 | | |
| | Outdoor Unit | dB (A) | 61 | 61 | 62 | 66 | | |
| Net Weight (Indoor) | | Kg | 7 | 8 | 10 | 14 | | |
| Net Weight (Outdoor) | | Kg | 18 | 18 | 23 | 39 | | |
| Piping Size | Liquid Line mm (inches) | | mm (inch) | 1/4 | 1/4 | 1/4 | 1/4 | |
| | Liquid Line mm (inches) | | mm (inch) | 3/8 | 3/8 | 1/2 | 5/8 | |
| | Maximum Pipe Length | | m | 20 | 20 | 25 | 25 | |
| | Maximum Pipe Height | | m | 10 | 10 | 15 | 15 | |
| | Additional Refrigerant / m | | g / m | 15 | 15 | 25 | 25 | |
| | Minimum Piping Length Addition | | m | 3 | 3 | 3 | 3 | |
| Wiring Size | Power Cable | | mm | 3 x 1,5 | 3 x 1,5 | 3 x 2,5 | 3 x 2,5 | |
| | Indoor and Outdoor Cable | | mm | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 | |
| Indoor Unit Configuration | Dimensions | Net Dimension (W x D x H) | mm | 690 x 199 x 283 | 750 x 200 x 285 | 900 x 225 x 310 | 1082 x 233 x 330 | |
| | | Packaging Dimensions (W x D x H) | mm | 760 x 347 x 277 | 820 x 347 x 277 | 970 x 382 x 302 | 1155 x 397 x 312 | |
| Outdoor Unit Configuration | Compressor Type | | | GSX 088BKQA6JT8 | GSX 088BKQA6JT8 | KSN 98D25UER3 | C-6RZ146H3DEF | |
| | Dimensions | Net Dimension (W x D x H) | mm | 650 x 233 x 456 | 650 x 233 x 456 | 715 x 280 x 537 | 900 x 350 x 700 | |
| | | Packaging Dimensions (W x D x H) | mm | 760 x 315 x 510 | 760 x 315 x 510 | 825 x 345 x 595 | 1020 x 430 x 770 | |
| Operating Temperature | Operating Range (Cooling) | | °C | 16 - 49 | 16 - 49 | 16 - 49 | 16 - 49 | |
| | Operating Range (Heating) | | °C | -15 - 30 | -15 - 30 | -15 - 30 | -15 - 30 | |

The company reserves the right to change the technical characteristics without notice.



R32



INVERTER



Wi-Fi



HEALTH MODE



PM2.5



| Model | SND - 09 CRS | SND - 12 CRS | SND - 18 CRS | SND - 24 CRS |
|-------|--------------|--------------|--------------|--------------|
|-------|--------------|--------------|--------------|--------------|

| Parameters | | | | SND - 09 CRS | SND - 12 CRS | SND - 18 CRS | SND - 24 CRS |
|-----------------------------|-----------------------------------|-------------------------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| Nominal Performance | Cooling | W | | 2600 (680 - 3100) | 3400 (800 - 3800) | 5120 (1350 - 5300) | 6700 (1800 - 7400) |
| | Heating | W | | 2610 (820 - 3400) | 3500 (1050 - 4200) | 5200 (1380 - 5300) | 7200 (1820 - 8200) |
| Consumption | Cooling | W | | 850 (180 - 1600) | 1340 (200 - 1500) | 1670 (280 - 1800) | 2200 (230 - 2760) |
| | Heating | W | | 850 (320 - 1600) | 1100 (320 - 1600) | 1420 (220 - 1500) | 2220 (230 - 2530) |
| Operating Current | Cooling | A | | 3,9 (0,9 - 6,9) | 5,9 (0,8 - 6,6) | 7,4 (1,2 - 7,9) | 10,0 (1,0 - 12) |
| | Heating | A | | 3,0 (1,3 - 6,9) | 4,1 (0,8 - 6,1) | 6,2 (1,0 - 6,6) | 9,5 (1,0 - 11) |
| Maximum Input Power | | W | | 1600 | 1600 | 1900 | 3400 |
| Maximum Input Current | | A | | 9,5 | 9,5 | 12 | 16 |
| EER Cooling | | W/W | | 6,18 / A++ | 6,20 / A++ | 6,70 / A++ | 6,53 / A++ |
| SCOP Heating | | W/W | | 4,00 / A+ | 4,03 / A+ | 4,08 / A+ | 4,09 / A+ |
| SCOP Heating (Warm Climate) | | W/W | | 5,10 / A+++ | 5,18 / A+++ | 5,30 / A+++ | 5,27 / A+++ |
| Voltage / Phase / Frequency | | | V / Ph / Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz |
| Refrigerant | | | | R32 | R32 | R32 | R32 |
| Refrigerant Quantity / g | | g | | 510 | 550 | 550 | 1300 |
| Maximum Discharge Pressure | | Mpa | | 4,3 | 4,3 | 4,3 | 4,3 |
| Maximum Suction Pressure | | Mpa | | 2,5 | 2,5 | 2,5 | 2,5 |
| Air Flow | | | m ³ / h | 550 | 600 | 850 | 1300 |
| Noise Level | Indoor Unit (Low / Med / High) | dB (A) | | 28 / 46 / 53 | 28 / 46 / 54 | 31 / 45 / 57 | 34 / 49 / 63 |
| | Outdoor Unit | dB (A) | | 61 | 61 | 62 | 66 |
| Net Weight (Indoor) | | Kg | | 7 | 8 | 10 | 14 |
| Net Weight (Outdoor) | | Kg | | 18 | 18 | 23 | 39 |
| Piping Size | Liquid Line mm (inches) | | mm (inch) | 1/4 | 1/4 | 1/4 | 1/4 |
| | Liquid Line mm (inches) | | mm (inch) | 3/8 | 3/8 | 1/2 | 5/8 |
| | Maximum Pipe Length | | m | 20 | 20 | 25 | 25 |
| | Maximum Pipe Height | | m | 10 | 10 | 15 | 15 |
| | Additional Refrigerant / m | | g / m | 15 | 15 | 25 | 25 |
| | Minimum Piping Length Addition | | m | 3 | 3 | 3 | 3 |
| Wiring Size | Power Cable | | mm | 3 x 1,5 | 3 x 1,5 | 3 x 2,5 | 3 x 2,5 |
| | Indoor and Outdoor Cable | | mm | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 |
| Indoor Unit Configuration | Dimensions | Net Dimension (W x D x H) | mm | 690 x 199 x 283 | 750 x 200 x 285 | 900 x 225 x 310 | 1082 x 233 x 330 |
| | | Packaging Dimensions (W x D x H) | mm | 760 x 347 x 277 | 820 x 347 x 277 | 970 x 382 x 302 | 1155 x 397 x 312 |
| Outdoor Unit Configuration | Compressor Type | | | GSX 088BKQA6JT8 | GSX 088BKQA6JT8 | KSN 98D25UER3 | C-6RZ146H3DEF |
| | Dimensions | Net Dimension (W x D x H) | mm | 650 x 233 x 456 | 650 x 233 x 456 | 715 x 280 x 537 | 900 x 350 x 700 |
| | | Packaging Dimensions (W x D x H) | mm | 760 x 315 x 510 | 760 x 315 x 510 | 825 x 345 x 595 | 1020 x 430 x 770 |
| Operating Temperature | Operating Range (Cooling) | | °C | 16 - 49 | 16 - 49 | 16 - 49 | 16 - 49 |
| | Operating Range (Heating) | | °C | -15 - 30 | -15 - 30 | -15 - 30 | -15 - 30 |

The company reserves the right to change the technical characteristics without notice.

ZEAS

wall-mounted air conditioning



| Model | | | SND - 09 ZES | SND - 12 ZES | SND - 18 ZES | SND - 24 ZES | |
|----------------------------|--------------------------------|-------------------------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| Parameters | Nominal Performance | Cooling | W | 2600 (680 - 3100) | 3400 (800 - 3800) | 5120 (1350 - 5300) | 6700 (1800 - 7400) |
| | | Heating | W | 2610 (820 - 3400) | 3500 (1050 - 4200) | 5200 (1380 - 5300) | 7200 (1820 - 8200) |
| | Consumption | Cooling | W | 850 (180 - 1600) | 1340 (200 - 1500) | 1670 (280 - 1800) | 2200 (230 - 2760) |
| | | Heating | W | 850 (320 - 1600) | 1100 (320 - 1600) | 1420 (220 - 1500) | 2220 (230 - 2530) |
| | Operating Current | Cooling | A | 3,9 (0,9 - 6,9) | 5,9 (0,8 - 6,6) | 7,4 (1,2 - 7,9) | 10,0 (1,0 - 12) |
| | | Heating | A | 3,0 (1,3 - 6,9) | 4,1 (0,8 - 6,1) | 6,2 (1,0 - 6,6) | 9,5 (1,0 - 11) |
| | Maximum Input Power | | W | 1600 | 1600 | 1900 | 3400 |
| | Maximum Input Current | | A | 9,5 | 9,5 | 12 | 16 |
| | EER Cooling | | W/W | 6,18 / A++ | 6,20 / A++ | 6,70 / A++ | 6,53 / A++ |
| | SCOP Heating | | W/W | 4,00 / A+ | 4,03 / A+ | 4,08 / A+ | 4,09 / A+ |
| | SCOP Heating (Warm Climate) | | W/W | 5,10 / A+++ | 5,18 / A+++ | 5,30 / A+++ | 5,27 / A+++ |
| | Voltage / Phase / Frequency | | V / Ph / Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz |
| | Refrigerant | | | R32 | R32 | R32 | R32 |
| | Refrigerant Quantity / g | | g | 510 | 550 | 550 | 1300 |
| | Maximum Discharge Pressure | | Mpa | 4,3 | 4,3 | 4,3 | 4,3 |
| | Maximum Suction Pressure | | Mpa | 2,5 | 2,5 | 2,5 | 2,5 |
| | Air Flow | | m ³ / h | 550 | 600 | 850 | 1300 |
| | Noise Level | Indoor Unit (Low / Med / High) | dB (A) | 28 / 46 / 53 | 28 / 46 / 54 | 31 / 45 / 57 | 34 / 49 / 63 |
| | | Outdoor Unit | dB (A) | 61 | 61 | 62 | 66 |
| | Net Weight (Indoor) | | Kg | 7 | 8 | 10 | 14 |
| Net Weight (Outdoor) | | Kg | 18 | 18 | 23 | 39 | |
| Piping Size | Liquid Line mm (inches) | | mm (inch) | 1/4 | 1/4 | 1/4 | 1/4 |
| | Liquid Line mm (inches) | | mm (inch) | 3/8 | 3/8 | 1/2 | 5/8 |
| | Maximum Pipe Length | | m | 20 | 20 | 25 | 25 |
| | Maximum Pipe Height | | m | 10 | 10 | 15 | 15 |
| | Additional Refrigerant / m | | g / m | 15 | 15 | 25 | 25 |
| | Minimum Piping Length Addition | | m | 3 | 3 | 3 | 3 |
| Wiring Size | Power Cable | | mm | 3 x 1,5 | 3 x 1,5 | 3 x 2,5 | 3 x 2,5 |
| | Indoor and Outdoor Cable | | mm | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 |
| Indoor Unit Configuration | Dimensions | Net Dimension (W x D x H) | mm | 690 x 199 x 283 | 750 x 200 x 285 | 900 x 225 x 310 | 1082 x 233 x 330 |
| | | Packaging Dimensions (W x D x H) | mm | 760 x 347 x 277 | 820 x 347 x 277 | 970 x 382 x 302 | 1155 x 397 x 312 |
| Outdoor Unit Configuration | Compressor Type | | | GSX 088BKQA6JT8 | GSX 088BKQA6JT8 | KSN 98D25UER3 | C-6RZ146H3DEF |
| | Dimensions | Net Dimension (W x D x H) | mm | 650 x 233 x 456 | 650 x 233 x 456 | 715 x 280 x 537 | 900 x 350 x 700 |
| | | Packaging Dimensions (W x D x H) | mm | 760 x 315 x 510 | 760 x 315 x 510 | 825 x 345 x 595 | 1020 x 430 x 770 |
| Operating Temperature | Operating Range (Cooling) | | °C | 16 - 49 | 16 - 49 | 16 - 49 | 16 - 49 |
| | Operating Range (Heating) | | °C | -15 - 30 | -15 - 30 | -15 - 30 | -15 - 30 |

The company reserves the right to change the technical characteristics without notice.



R 32



INVERTER



Wi-Fi



GOLDEN FIN



EXTRA FILTERS



| Model | | | SND - 09 ALSI | SND - 12 ALSI | SND - 18 ALSI | SND - 24 ALSI | |
|-----------------------------|-------------------------------------------|-----------------------------------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| Nominal | Performance | Cooling | W | 2650 (620 - 3100) | 3500 (800 - 4100) | 5300 (1300 - 5700) | 7200 (1800 - 7400) |
| | | Heating | W | 2700 (820 - 3400) | 3800 (1000 - 4200) | 5300 (1300 - 5500) | 7200 (1800 - 8000) |
| | Consumption | Cooling | W | 800 (100 - 1600) | 1180 (100 - 1600) | 1650 (290 - 2100) | 2200 (230 - 2760) |
| | | Heating | W | 720 (300 - 1500) | 1100 (300 - 1600) | 1470 (250 - 1800) | 2200 (230 - 2530) |
| | Operating Current | Cooling | A | 3,9 (0,9 - 6,9) | 5,6 (0,7 - 7,8) | 7,8 (2,2 - 9,3) | 10,0 (1,0 - 12) |
| | | Heating | A | 3,0 (1,3 - 6,9) | 4,9 (1,5 - 8,0) | 6,5 (2,0 - 8,0) | 9,5 (1,0 - 11) |
| | Maximum Input Power | | W | 1600 | 1900 | 2500 | 3400 |
| | Maximum Input Power | | A | 8,5 | 9,5 | 12 | 16 |
| | SEER Cooling | | W/W | 6,50 / A+++ | 6,19 / A+++ | 6,58 / A+++ | 6,53 / A+++ |
| | SCOP Heating | | W/W | 4,00 / A+ | 4,03 / A+ | 4,19 / A+ | 4,09 / A+ |
| | Voltage / Phase / Frequency (V / Ph / Hz) | | V / Ph / Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz |
| | Refrigerant | | | R32 | R32 | R32 | R32 |
| | Refrigerant Quantity / g | | g | 550 | 560 | 850 | 1300 |
| | Maximum Discharge Pressure | | Mpa | 4,3 | 4,3 | 4,3 | 4,3 |
| | Maximum Suction Pressure | | Mpa | 2,5 | 2,5 | 2,5 | 2,5 |
| | Air Flow Rate | | m ³ / h | 600 | 600 | 900 | 1300 |
| | Noise Level | Internal Unit (low / medium / high) | dB (A) | 28 / 46 / 53 | 28 / 46 / 53 | 31 / 45 / 57 | 34 / 49 / 63 |
| | | External Unit | dB (A) | 61 | 62 | 63 | 66 |
| | Net Weight (Internal) | | Kg | 8,5 | 8,5 | 10,5 | 14 |
| | Net Weight (External) | | Kg | 18 | 22,5 | 28 | 39 |
| Pipe Size | Liquid Line mm (inches) | | mm (inch) | 1/4 | 1/4 | 1/4 | 1/4 |
| | Gas Line mm (inches) | | mm (inch) | 3/8 | 3/8 | 1/2 | 5/8 |
| | Maximum Pipe Length | | m | 20 | 20 | 25 | 25 |
| | Maximum Pipe Height | | m | 10 | 10 | 15 | 15 |
| | Additional Refrigerant / m | | g / m | 15 | 15 | 25 | 25 |
| | Minimum Pipe Length Addition | | m | 3 | 3 | 3 | 3 |
| Wiring Size | Power Cable | | mm | 3 x 1,5 | 3 x 1,5 | 3 x 2,5 | 3 x 2,5 |
| | Internal and External Connection Cable | | mm | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 |
| Internal Unit Configuration | Dimensions | Net Dimension (Width x Depth x Height) | mm | 792 x 201 x 292 | 792 x 201 x 292 | 940 x 224 x 316 | 1132 x 232 x 330 |
| | | Packing Dimension (Width x Depth x Height) | mm | 855 x 350 x 270 | 855 x 350 x 270 | 1010 x 385 x 310 | 1205 x 400 x 317 |
| External Unit Configuration | Compressor Model | | | GSX 088BKQA6JT8 | KSN98D34UER3 | KSN140D53UFZM3 | C-6RZ146H3DEF |
| | Dimensions | Net Dimension (Width x Depth x Height) | mm | 650 x 233 x 456 | 705 x 279 x 530 | 785 x 300 x 555 | 900 x 350 x 700 |
| | | Packing Dimension (Width x Depth x Height) | mm | 760 x 315 x 510 | 825 x 326 x 595 | 900 x 380 x 615 | 1020 x 430 x 770 |
| Operating Temperature | Operating Range (Cooling) | | °C | 16 - 49 | 16 - 49 | 16 - 49 | 16 - 49 |
| | Operating Range (Heating) | | °C | -15 - 30 | -15 - 30 | -15 - 30 | -15 - 30 |

The company reserves the right to change the technical characteristics without notice.

HERMES

wall-mounted air conditioning



R 32



INVERTER



Wi-Fi



GOLDEN FIN



EXTRA FILTERS



| Model | | | SND - 09 HRS | SND - 12 HRS | SND - 18 HRS | SND - 24 HRS |
|-------|--|--|--------------|--------------|--------------|--------------|
|-------|--|--|--------------|--------------|--------------|--------------|

| | | | | | | | |
|-----------------------------|------------------------------|-----------------------------------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| Nominal | Performance | Cooling | W | 2650 (620 - 3100) | 3550 (800 - 4100) | 5300 (1300 - 5700) | 7300 (1800 - 7400) |
| | | Heating | W | 2700 (820 - 3400) | 3800 (1000 - 4200) | 5300 (1300 - 5500) | 7300 (1800 - 8000) |
| | Consumption | Cooling | W | 810 (120 - 1600) | 1180 (120 - 1600) | 1650 (290 - 2100) | 2200 (230 - 2760) |
| | | Heating | W | 720 (320 - 1600) | 1100 (300 - 1600) | 1470 (250 - 1800) | 2200 (230 - 2530) |
| | Operating Current | Cooling | A | 3,9 (0,9 - 6,9) | 5,6 (0,7 - 7,8) | 7,8 (2,2 - 9,3) | 10,0 (1,0 - 12) |
| | | Heating | A | 4,1 (1,5 - 8,0) | 4,9 (1,5 - 8,0) | 6,5 (2,0 - 8,0) | 9,5 (1,0 - 11) |
| | Maximum Input Power | | W | 1600 | 1900 | 2500 | 3400 |
| | Maximum Input Power | | A | 9,5 | 9,5 | 12 | 16 |
| | SEER Cooling | | W / W | 6,50 / A+++ | 6,19 / A+++ | 6,50 / A+++ | 6,53 / A+++ |
| | SCOP Heating | | W / W | 4,00 / A+ | 4,03 / A+ | 4,19 / A+ | 4,09 / A+ |
| | Voltage / Phase / Frequency | | V / Ph / Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz |
| | Refrigerant | | | R32 | R32 | R32 | R32 |
| | Refrigerant Quantity / g | | g | 550 | 560 | 850 | 1300 |
| | Maximum Discharge Pressure | | Mpa | 4,3 | 4,3 | 4,3 | 4,3 |
| | Maximum Suction Pressure | | Mpa | 2,5 | 2,5 | 2,5 | 2,5 |
| | Air Flow Rate | | m ³ / h | 600 | 600 | 900 | 1300 |
| | Noise Level | Internal Unit (low / medium / high) | dB (A) | 28/46/53 | 28/46/53 | 31/45/57 | 34/49/63 |
| | | External Unit | dB (A) | 61 | 62 | 62 | 66 |
| | Net Weight (Internal) | | Kg | 8,5 | 8,5 | 10,5 | 14 |
| | Net Weight (External) | | Kg | 18 | 22,5 | 28 | 39 |
| Pipe Size | Liquid Line mm (inches) | | mm (inch) | 1/4 | 1/4 | 1/4 | 1/4 |
| | Gas Line mm (inches) | | mm (inch) | 3/8 | 3/8 | 1/2 | 5/8 |
| | Maximum Pipe Length | | m | 20 | 20 | 25 | 25 |
| | Maximum Pipe Height | | m | 10 | 10 | 15 | 15 |
| | Additional Refrigerant / m | | g / m | 15 | 15 | 25 | 25 |
| | Minimum Pipe Length Addition | | m | 3 | 3 | 3 | 3 |
| Wiring Size | Power Cable | | mm | 3 x 1,5 | 3 x 1,5 | 3 x 2,5 | 3 x 2,5 |
| | Internal and External Cable | | mm | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 |
| Internal Unit Configuration | Dimensions | Net Dimension (Width x Depth x Height) | mm | 788 x 198 x 292 | 788 x 198 x 292 | 936 x 221 x 316 | 1121 x 231 x 329 |
| | | Packing Dimension (Width x Depth x Height) | mm | 880 x 370 x 290 | 880 x 370 x 290 | 1010 x 385 x 310 | 1205 x 400 x 317 |
| External Unit Configuration | Compressor Model | | | GSX088BKQA6JT8 | KSN98D34UER3 | KSN140D53UFZM3 | C-6RZ146H3DEF |
| | Dimensions | Net Dimension (Width x Depth x Height) | mm | 650 x 233 x 456 | 705 x 279 x 530 | 785 x 300 x 555 | 900 x 350 x 700 |
| | | Packing Dimension (Width x Depth x Height) | mm | 760 x 315 x 510 | 825 x 326 x 595 | 888 x 367 x 590 | 1020 x 430 x 770 |
| Operating Temperature | Operating Range (Cooling) | | °C | 16 - 49 | 16 - 49 | 16 - 49 | 16 - 49 |
| | Operating Range (Heating) | | °C | -15 - 30 | -15 - 30 | -15 - 30 | -15 - 30 |

The company reserves the right to change the technical characteristics without notice.



| Model | | | SND - 09 PGS | SND - 12 PGS |
|-------------------------------------|--------------------------|-------------------|---------------------|---------------------|
| Type | | | T1, H/P, INVERTER | T1, H/P, INVERTER |
| Energy Efficiency | Cooling | W | 2600 | 3500 |
| | Heating | W | 2300 | 2800 |
| | Heating (Warm Climate) | W | 2600 | 3500 |
| SEER | Cooling | | 8,5 | 8,5 |
| SCOP | Heating | | 4,6 | 4,6 |
| | Heating (Warm Climate) | | 5,2 | 5,1 |
| Energy Class | Cooling | | A+++ | A+++ |
| | Heating | | A++ | A++ |
| | Heating (Warm Climate) | | A+++ | A+++ |
| Nominal Cooling Capacity | | W | 2600 (800-3200) | 3500 (1000-4000) |
| Nominal Heating Capacity | | W | 3000 (800-3300) | 3900 (1000-4400) |
| Input Power | Cooling | W | 590 (170-1400) | 890 (190-1500) |
| | Heating | W | 720 (170-1500) | 1000 (190-1600) |
| Humidity Removal | | L/H.r | 0,9 | 1,2 |
| Air Circulation | Internal (H/H-M/M-M-L/L) | m3/h | 520/480/450/420/380 | 580/540/500/470/430 |
| | External | m ³ /h | 2000 | 2200 |
| EER Cooling | | W/W | 4,41 | 3,93 |
| COP Heating | | W/W | 4,17 | 3,90 |
| Maximum Current | | A | 7,5 | 8 |
| Refrigerant | | | R32 | R32 |
| Refrigerant Quantity | | g | 750 | 800 |
| Internal Unit Power Sound | Sound Power | dB (A) | 56 | 56 |
| | Sound Pressure | dB (A) | 39/37/35/33/31/26 | 40/38/36/34/31/26 |
| External Unit Noise Level | Sound Power | dB (A) | 61 | 62 |
| | Sound Pressure | dB (A) | 53 | 54 |
| Annual Energy Consumption (Cooling) | | kWh/a | 107 | 144 |
| Annual Energy Consumption (Heating) | Warm Climate | | 700 | 961 |
| | Moderate | | 700 | 852 |
| | Cold Climate | | / | / |
| Voltage, Frequency, Phase | | V/Hz/Ph | 220-240V~,50Hz,1P | 220-240V~,50Hz,1P |
| Rated Current | Cooling (A) | | 2,6 | 4 |
| | Heating (A) | | 3,2 | 4,5 |

The company reserves the right to change the technical characteristics without notice.



R32



INVERTER



Wi-Fi



GOLDEN FIN



EXTRA FILTERS



| Model | | | SND - 09 PGS | SND - 12 PGS |
|-----------------------------------------------|--------------|----|------------------------------|------------------------------|
| Compressor Manufacturer | | | GMCC | GMCC |
| Liquid Pipe | inch | | 1/4 | 1/4 |
| Gas Pipe | inch | | 3/8 | 3/8 |
| Fire Alarm/Room Card Door Lock | | | Na | Na |
| HEPA Filter | | | Na | Na |
| WiFi Application Control | | | Na | Na |
| Voice Control (with Alexa Google) | | | Na | Na |
| 3 Speeds and Automatic Control of Indoor Fan | | | Na | Na |
| Vertical Automatic Swinging Louver | | | Na | Na |
| Sleep Mode | | | Na | Na |
| Smart Mode | | | Na | Na |
| Automatic Restart | | | Na | Na |
| Quiet Operation | | | Na | Na |
| Dimmer | | | Na | Na |
| 2 Drainage Connection Modes (right or left) | | | Na | Na |
| Cooling at Low Ambient Temperature | | | Na | Na |
| Horizontal Automatic Swinging Louver | | | Na | Na |
| Clean Dimensions WxHxD | Indoor Unit | mm | 790 x 255 x 203 | 790 x 255 x 203 |
| | Outdoor Unit | mm | 780 x 540 x 260 | 810 x 585 x 280 |
| Net Weight | Indoor Unit | Kg | 7,7 | 7,8 |
| | Outdoor Unit | Kg | 28 | 33 |
| Packaging Dimensions WxHxD | Indoor Unit | mm | 850 x 320 x 260 | 850 x 320 x 260 |
| | Outdoor Unit | mm | 910 x 600 x 360 | 940 x 630 x 385 |
| Gross Weight | Indoor Unit | Kg | 9,5 | 9,5 |
| | Outdoor Unit | Kg | 31,5 | 37 |
| Testing Standard | | | EN 14511, EN 14825, EN 12102 | EN 14511, EN 14825, EN 12102 |
| Approvals | | | CE | CE |
| Operating Temperature Range | Cooling | °C | -15 °C - 43 °C | -15 °C - 43 °C |
| | Heating | °C | -20 °C - 24 °C | -20 °C - 24 °C |
| Maximum allowable pipe length during shipment | | | 5 | 5 |
| Pipe length limit | | | 15 | 15 |
| Altitude difference limit | | | 8 | 8 |
| Required quantity of additional refrigerant | | | 20 | 20 |

The company reserves the right to change the technical characteristics without notice.



| Model | | | SND - 09 MRV | SND - 12 MRV | SND - 18 MRV | SND - 24 MRV |
|-------|--|--|--------------|--------------|--------------|--------------|
|-------|--|--|--------------|--------------|--------------|--------------|

| Parameters | | | | SND - 09 MRV | SND - 12 MRV | SND - 18 MRV | SND - 24 MRV |
|-----------------------------|--------------------------------|----------------------------------|-----------|-----------------|-----------------|------------------|------------------|
| Nominal Performance | Cooling | W | | 2700(690-4000) | 3500(690-4100) | 5400(1300-5900) | 7200(1800-7400) |
| | Heating | W | | 3300(800-4200) | 4200(930-4200) | 5800(1350-6100) | 7300(1850-8000) |
| Consumption | Cooling | W | | 720(100-1200) | 870(130-1550) | 1430(290-1950) | 1700(230-2.3) |
| | Heating | W | | 800(200-1200) | 1060(230-1300) | 1330(250-1800) | 2300(23-2.53) |
| Operating Current | Cooling | A | | 3.3(0.56-5.32) | 4.2(0.56-5.8) | 6.4(2.2-6.8) | 7.9(1-10) |
| | Heating | A | | 3.9(1.02-5.32) | 4.8(1.0-6.3) | 6.1(2.0-8.0) | 10.5(1-11) |
| Maximum Input Power | | W | | 1600 | 1500 | 2400 | 3200 |
| Maximum Input Current | | A | | 9 | 9 | 12 | 16 |
| EER Cooling | | W/W | | 8.7 / A+++ | 8.7 / A+++ | 8.7 / A+++ | 8.7 / A+++ |
| SCOP Heating | | W/W | | 4.7 / A++ | 4.7 / A++ | 4.6 / A++ | 4.6 / A++ |
| SCOP Heating (Warm Climate) | | W/W | | 5.9 / A+++ | 5.5 / A+++ | 5.8 / A+++ | 5.4 / A+++ |
| Voltage / Phase / Frequency | | V / Ph / Hz | | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz | 220~240V-1-50Hz |
| Refrigerant | | | | R32 | R32 | R32 | R32 |
| Refrigerant Quantity / g | | g | | 550 | 560 | 850 | 1300 |
| Maximum Discharge Pressure | | Mpa | | 4.3 | 4.3 | 4.3 | 4.3 |
| Maximum Suction Pressure | | Mpa | | 2.5 | 2.5 | 2.5 | 2.5 |
| Air Flow | | m ³ / h | | 700 | 650 | 1000 | 1300 |
| Noise Level | Indoor Unit (Low / Med / High) | dB (A) | | 54 | 56 | 56 | 62 |
| | Outdoor Unit | dB (A) | | 61 | 62 | 63 | 65 |
| Net Weight (Indoor) | | Kg | | 8 | 8.5 | 13 | 14 |
| Net Weight (Outdoor) | | Kg | | 22.5 | 24.5 | 28.5 | 41 |
| Piping Size | Liquid Line mm (inches) | | mm (inch) | 1/4 | 1/4 | 1/4 | 1/4 |
| | Liquid Line mm (inches) | | mm (inch) | 3/8 | 3/8 | 1/2 | 5/8 |
| | Maximum Pipe Length | | m | 25 | 25 | 30 | 50 |
| | Maximum Pipe Height | | m | 15 | 15 | 20 | 25 |
| | Additional Refrigerant / m | | g / m | 20 | 20 | 25 | 30 |
| | Minimum Piping Length Addition | | m | 3 | 3 | 3 | 3 |
| Wiring Size | Power Cable | | mm | 3 x 1,5 | 3 x 1,5 | 3 x 2,5 | 3 x 2,5 |
| | Indoor and Outdoor Cable | | mm | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 |
| Indoor Unit Configuration | Dimensions | Net Dimension (W x D x H) | mm | 768 x 299 x 201 | 827 x 299 x 201 | 1140 x 332 x 230 | 1140 x 332 x 230 |
| | | Packaging Dimensions (W x D x H) | mm | 831 x 371 x 282 | 891 x 371 x 282 | 1210 x 400 x 327 | 1210 x 400 x 327 |
| Outdoor Unit Configuration | Compressor Type | | | KSN98D66UER3 | KSN98D66UER3 | C-1RZ140H3DDF | KTN150D53UFZC3 |
| | Dimensions | Net Dimension (W x D x H) | mm | 705 x 530 x 280 | 705 x 530 x 280 | 785 x 555 x 300 | 900 x 700 x 350 |
| | | Packaging Dimensions (W x D x H) | mm | 825 x 595 x 345 | 825 x 595 x 345 | 903 x 615 x 382 | 1015 x 762 x 425 |
| Operating Temperature | Operating Range (Cooling) | | °C | -15~53°C | -15~53°C | -15~53°C | -15~53°C |
| | Operating Range (Heating) | | °C | -35~32°C | -35~32°C | -35~32°C | -35~32°C |

The company reserves the right to change the technical characteristics without notice.

TABLES OF TECHNICAL CHARACTERISTICS
LIGHT COMMERCIAL AIR CONDITIONING



| Model | | SFSU - 55 ART3 | |
|--------------------------------|---------------------------------------|--------------------|-----------------------|
| Power Supply | | Ph - V - Hz | 380 - 415V, 3Ph, 50Hz |
| Cooling Performance | Capacity | Btu / h | 51000 (18000 ~ 57000) |
| Cooling Capacity | Capacity | kW | 15,10 (6,50 ~ 15,50) |
| Cooling Input Power | | W | 5350 (1300~ 6000) |
| Cooling Current | | A | 9 (2,5 ~ 10) |
| EER | | W / W | 2,82 / A |
| Heating Performance | Capacity | Btu / h | 60000 (15000 ~ 66000) |
| Heating Capacity | Capacity | kW | 15,20 (5 ~ 16,20) |
| Heating Input Power | | W | 4500 (1000 ~ 5800) |
| Heating Current | | A | 8 (2 ~ 9,5) |
| COP | | W / W | 3,38 / A |
| Seasonal | Pdesignc | kW | 14,1 |
| | Performance | W / W | 6,1 |
| | Seasonal energy efficiency in cooling | % | 241 |
| Heating (Mid Zone) | Pdesignh | kW | 11,1 |
| | SCOP | W / W | 4,0 |
| | Seasonal energy efficiency in heating | % | 157 |
| | Tbiv | °C | -7 |
| Tol | | °C | -15 |
| Dehumidification | | L / h | 5,3 |
| Maximum Input Consumption | | W | 9000 |
| Maximum Current Intensity | | A | 14 |
| Compressor | Type | | ROTARY |
| | Brand | | GMCC |
| | Capacity | Btu / h | 46744 |
| | Input | W | 3700 |
| | Rated current (RLA) | A | 7,02 |
| | Thermal protector position | | External |
| | Refrigerant oil / oil charge | ml | VG74 / 1400 |
| Internal Fan | Output | W | 210 |
| | Speed (Hi / Mi / Lo) | r / min | 540 / 500 / 460 |
| Indoor Air Flow (Hi / Mi / Lo) | | m ³ / h | 2497 / 2380 / 2100 |
| Indoor Sound Power Level (Hi) | | dB (A) | 66 |

The company reserves the right to change the technical characteristics without notice.



| Model | SFSU - 55 ART3 | | |
|-------|----------------|--|--|
|-------|----------------|--|--|

| | | | |
|----------------------------|----------------------------------------------|--------------------|-----------------------------------|
| Internal unit | Net dimension (Width x Depth x Height) | mm | 580 x 400 x 1925 |
| | Packaging dimension (Width x Depth x Height) | mm | 690 x 565 x 2100 |
| | Net / Gross weight | Kg | 52 / 74 |
| Internal coil | a. Number of rows | | 3 |
| | b. Fin pitch (a) pitch x row (b) | mm | 25,4 x 22 |
| | c. Additional distances | mm | 1,5 |
| | d. End type final (code) | | Hydrophilic aluminium |
| | e. External channels and type | mm | Ø 9,52, innergroove tube |
| | f. Coil length x height x width | mm | 510 x 864 x 66 |
| | g. Number of circuits | | 8 |
| External fan motor | Model | | ZFKN - 85 - 8 - 22 |
| | Quantity | | 2 |
| | Input | W | 126 |
| | Density | uF | - |
| | Speed | r / min | 850/650 |
| External coil | a. Number of rows | | 1,6 |
| | b. Fin pitch (a) pitch x row (b) | mm | 25,4 x 22 |
| | c. Additional distances | mm | 1,4 |
| | d. End type final (code) | | Hydrophilic aluminium |
| | e. External channels and type | mm | Ø 9,52, innergroove tube |
| | f. Coil length x height x width | mm | 990 x 1270 x 22 + 500 x 1270 x 22 |
| | g. Number of circuits | | 4 |
| External air flow | | m ³ / h | 7500 |
| External sound power level | | dB (A) | 69 |
| External unit | Net dimension (Width x Depth x Height) | mm | 940 x 340 x 1320 |
| | Packaging dimension (Width x Depth x Height) | mm | 1070 x 450 x 1435 |
| | Net / Gross weight | Kg | 94 / 112 |
| Refrigerant | Type | | R32 |
| | GWP (Global Warming Potential) | | 675 |
| | Charged quantity | Kg | 3 |
| Design pressure | | MPa | 4,3 / 2,5 |
| Cooling piping | Liquid line / Gas line | mm (inch) | Ø 9,52 / Ø 15,9 (3/8", 3/4") |
| | Maximum pipe length for cooling | m | 65 |
| | Maximum level difference | m | 30 |
| Wiring | Power cable | mm | 5 x 2,5 |
| | Communication cable | mm | 3 x 2,5 και 3 x 1,5 |
| Thermostat type | | | Remote Control |
| Operating temperature | Internal (cooling / heating) | °C | 17 ~ 32 / 0 ~ 30 |
| | External (cooling / heating) | °C | -15 ~ 50 / -25 ~ 30 |
| Application area | Minimum | °C | -15 ~ 50 |
| | Maximum | °C | -15 ~ 24 |



| Model (Indoor / Outdoor Unit) | SFSU - 60 ATH | | |
|-------------------------------|---------------|--|--|
|-------------------------------|---------------|--|--|

| | | | |
|----------------------------|---------------------------------------|--------------------|----------------------|
| Nominal Performance | Cooling | Btu / h | 58000 |
| | | kW | 17 |
| | Heating | Btu / h | 60000 |
| | | kW | 17,5 |
| Electrical Data | Power Supply | V~, Hz, Ph | 380 ~ 415 - 3 - 50Hz |
| | Consumption (Cooling) | W | 6800 |
| | Consumption (Heating) | W | 6900 |
| | Operating Current (Cooling) | A | 12,2 |
| | Operating Current (Heating) | A | 12,7 |
| | Maximum Power Consumption | W | 7400 |
| | Maximum Current Intensity | A | 14 |
| | EER (Cooling Efficiency) | W / W | 2,5 / A |
| | COP (Heating Efficiency) | | 2,62 / A |
| Compressor | Model | | C-SBP185H38A |
| Unit Performance | Maximum Discharge Pressure | Mpa | 4,15 |
| | Maximum Suction Pressure | Mpa | 1,15 |
| | Air Supply | m ³ / h | 1900 |
| | Sound Power | dB (A) | 57 |
| | Noise Level | dB (A) | 58 |
| Wiring | Power Cable | mm ² | 5 x 4,0 |
| | Communication Cable | mm ² | 3 x 2,5 και 3 x 1,5 |
| Unit Dimensions | Indoor Unit (Width x Depth x Height) | mm | 580 x 400 x 1925 |
| | Outdoor Unit (Width x Depth x Height) | mm | 945 x 340 x 1255 |
| Net Weight | Indoor | kg | 54 |
| | Outdoor | kg | 102 |
| Refrigerant | | | R410A |
| Refrigerant Charge | | g | 3600 |
| Pipe Diameter | Liquid Line | mm (inch) | 9,52 (3/8)" |
| | Gas Line | mm (inch) | 19,05 (3/4)" |

TABLES OF TECHNICAL CHARACTERISTICS
multi split

External multi split air conditioning units

R 32 

INVERTER 



| Model | | | SFM-14 OU2-AU2 | SFM-18 OU2-AU2 | SFM-21 OU2-AU2 |
|--------------------------------|-----------------------------------|------------|--------------------|----------------------|--------------------|
| System Format | | | 1 drives 2 | 1 drives 2 | 1 drives 2 |
| Capacity | Cooling | Btu / h | 13989 (6142-15388) | 18084 (6824 - 19892) | 21154 (7506~22895) |
| | | kW | 4,1 (1,8-4,51) | 5,3 (2,0 - 5,83) | 6,2 (2,2~6,71) |
| | Heating | Btu / h | 15354 (6995-18015) | 19107 (7541 - 21017) | 22519 (8155~24771) |
| | | kW | 4,5 (2,05-5,28) | 5,3 (2,21 - 6,16) | 6,6 (2,39~7,26) |
| Electrical Data | Electric Power Supply | V~, Hz, Ph | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 | 220~240,50,1 |
| | Cooling Performance | W | 1240 (198 - 2100) | 1750 (280 - 2300) | 1920 (350-2800) |
| | Heating Performance | W | 1150 (198 - 2100) | 1500 (280 - 2300) | 1780 (350-2800) |
| | Rated Current (Cooling & Heating) | A | 5,39 / 5 | 7,6 / 6,5 | 8,3 / 7,8 |
| | Maximum Current | A | 12 | 11 | 13 |
| | Maximum Power | KW | 2,76 | 2,3 | 2,8 |
| Efficiency | SEER / SCOP | W / W | 6,15 / 4,12 (F) | 6,13 / 4,09 (F) | 6,13 / 4,19 (F) |
| | SEER / SCOP | W / W | 6,18 / 4,13 (J) | 6,14 / 4,04 (J) | 6,13 / 4,20 (J) |
| | Energy Class | | A++ / A+ | A++ / A+ | A++ / A+ |
| | EER / COP | W / W | 3,31 / 3,91 | 3,23 / 3,78 | 3,23 / 3,71 |
| DC Inverter Compressor | Model | | KSN98D64UFZA3 | KSN140D53UFZM3 | KSN140D53UFZM3 |
| | Quantity | | 1 | 1 | 1 |
| | Type | | Rotary | Rotary | Twin Rotary |
| | Brand | | GMCC | GMCC | GMCC |
| | Capacity | W | 3045 | 4345 | 4345 |
| | Input | W | 758 | 1100 | 1100 |
| | Electric Power Supply | V~, Hz, Ph | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 |
| | Rated Current | A | 4,65 | 6,75 | 6,75 |
| | Operating Frequency | Hz | 60 | 60 | 60 |
| | Refrigerant Oil | ml | VG74 / 300ml | VG74 / 420ml | VG74 / 420ml |
| | Frequency Range | | 10 ~ 120 Hz | 10 ~ 120 Hz | 8 ~ 120 Hz |
| External Fan Motor DC Inverter | Model | | D - 40 - 10 | D - 40 - 10 | D - 65 - 10 |
| | Type | | DC Inverter | DC Inverter | DC Inverter |
| | Brand | | JINGMA | JINGMA | JINGMA |
| | Quantities | | 1 | 1 | 1 |
| | Insulation Class | | E/B | E/B | E/B |
| | Safety Class | | IP24 | IP24 | IP24 |
| | Input Power | W | 60 | 60 | 85 |
| | Output Power | W | 40 | 40 | 65 |
| | Density | uF | / | / | / |
| | Speed | r / min | 900 | 900 | 850 |

The company reserves the right to change the technical characteristics without notice.

External multi split air conditioning units

R 32 

INVERTER 



| Model | | | SFM-14 OU2-AU2 | SFM-18 OU2-AU2 | SFM-21 OU2-AU2 |
|-----------------------------------------------|----------------------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|
| Outdoor Fan | Material | | Plastic | Plastic | Plastic |
| | Diameter | mm | Ø 440 x 132 | Ø 440 x 132 | Ø 553 x 146 |
| | Number of Fans | | 1 | 1 | 1 |
| Airflow Volume | | CFM | 1529 | 1529 | 2412 |
| | | m ³ / h | 2600 | 2600 | 4100 |
| Outdoor Coil | Number Of Row | | 2 | 2 | 2 |
| | Pipe Pitch x Row Pitch | mm | 22 x 19,05 | 22 x 19,05 | 22 x 19,05 |
| | Fin Pitch | mm | 1,4 | 1,4 | 1,3 |
| | Fin Material | | Hydrophilic aluminum fin | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | External Diameter, Pipe Material | mm | φ7, Inner grooved | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (Length x Height x Weight) | mm | 768 x 506 x 38,1 | 768 x 506 x 38,1 | 886 x 660 x 38,1 |
| | Heat Exchange Area | m ² m ² | 18,85 | 18,85 | 25,51 |
| Noise Level | Noise Pressure Level | dB (A) | 53 | 54 | 56 |
| | Noise Level | dB (A) | 65 | 65 | 66 |
| Dimension | Actual Dimension (Width x Depth x Height) | mm | 785 x 300 x 555 | 785 x 300 x 555 | 900 x 350 x 700 |
| | Packaging Dimension (Width x Depth x Height) | mm | 900 x 380 x 615 | 900 x 380 x 615 | 1015 x 415 x 755 |
| Weight | Net | kg | 30 | 30 | 41,5 |
| | Gross | kg | 32,5 | 32,5 | 45 |
| Refrigerant/Quantity | Type | | R32 | R32 | R32 |
| | Refrigerant Quantity | kg | 1 | 1,03 | 1,15 |
| | Additional Refrigerant Charge | (g / m) | 25 | 25 | 25 |
| Piping | Liquid Line | mm (inch) | 2 x 6,35 (1/4) | 2 x 6,35 (1/4) | 3 x 6,35 (1/4) |
| | Gas Line | mm (inch) | 2 x 9,52 (3/8) | 2 x 9,52 (3/8) | 3 x 9,52 (3/8) |
| | Maximum Allowed Length | m | 40 | 40 | 60 |
| | Maximum Length for One Indoor Unit | m | 25 | 25 | 30 |
| | Maximum Elevation Difference | m | 15 | 15 | 15 |
| | Maximum Elevation Difference | m | 10 | 10 | 10 |
| Environmental Temperature (Cooling / Heating) | | °C | -10~-52 / -15~-24 | -10~-52 / -15~-24 | -10~-52 / -15~-24 |
| Wiring Specifications | Power Wiring (ODU) | mm ² | 3 x 2,5 | 3 x 2,5 | 3 x 2,5 |
| | Connection Wiring (IDU & ODU) | mm ² | 4 x 1,5 | 4 x 1,5 | 4 x 1,5 |

The company reserves the right to change the technical characteristics without notice.

External multi split air conditioning units

R 32 

INVERTER 



| Model | | | SFM-270U3-AU2 | SFM-360U4-AU2 | SFM-420U5-AU2 |
|--------------------------------|-----------------------------------|------------|--------------------|--------------------|---------------------|
| System Format | | | 1 drives 3 | 1 drives 4 | 1 drives 5 |
| Capacity | Cooling | Btu / h | 26955 (7848~29650) | 35826 (8530~37532) | 40944 (9451~43332) |
| | | kW | 7,9 (2,3 ~ 8,69) | 10,50 (2,5~11,0) | 12 (2,77 ~ 12,7) |
| | Heating | Btu / h | 27978 (8359~30776) | 37532 (9110~38214) | 44356 (10100~43673) |
| | | kW | 8,2 (2,45 ~ 9,02) | 11,00 (2,67~11,2) | 13 (2,96 ~ 13,1) |
| Electrical Data | Electric Power Supply | V~, Hz, Ph | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 |
| | Cooling Performance | W | 2460 (560 - 3400) | 3950 (680~4930) | 4317 (750 ~ 5450) |
| | Heating Performance | W | 2210 (560 - 3400) | 3150 (530~3850) | 3750 (600 ~ 4350) |
| | Rated Current (Cooling & Heating) | A | 10,6 / 9,61 | 17,5 / 13,96 | 19,72 / 16,62 |
| | Maximum Current | A | 16,5 | 23,5 | 24,5 |
| | Maximum Power | KW | 3,8 | 5,3 | 5,6 |
| Efficiency | SEER / SCOP | W / W | 6.19/4.08 (F) | 6.15/4.12 (F) | 6.14/4.04 (F) |
| | SEER / SCOP | W / W | 6.14/4.16 (J) | 6.15/4.09 (J) | 6.14/4.04 (J) |
| | Energy Class | | A++ / A+ | A++ / A+ | A++ / A+ |
| | EER / COP | W / W | 3,23 / 3,71 | 2,66 / 3,49 | 2,70 / 3,47 |
| DC Inverter Compressor | Model | | KTM240D43UKUA2 | KTF310D43UMT | KTF310D43UMT |
| | Quantity | | 1 | 1 | 1 |
| | Type | | Rotary | Rotary | Rotary |
| | Brand | | GMCC | GMCC | GMCC |
| | Capacity | W | 7555 | 10010 | 10010 |
| | Input | W | 2050 | 2765 | 2765 |
| | Electric Power Supply | V~, Hz, Ph | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 |
| | Rated Current | A | 9,35 | 5,38 | 5,38 |
| | Operating Frequency | Hz | 60 | 60 | 60 |
| | Refrigerant Oil | ml | VG74 / 620ml | VG74 / 1000ml | VG74 / 1000ml |
| | Frequency Range | | 12 ~ 120 Hz | 12 ~ 120 Hz | 12 ~ 120 Hz |
| External Fan Motor DC Inverter | Model | | D - 65 - 10 | D - 310 - 120 - 8A | D - 310 - 120 - 8A |
| | Type | | DC Inverter | DC Inverter | DC Inverter |
| | Brand | | JINGMA | WOLONG | WOLONG |
| | Quantities | | 1 | 1 | 1 |
| | Insulation Class | | E/B | E | E |
| | Safety Class | | IP24 | IP24 | IP24 |
| | Input Power | W | 85 | 150 | 150 |
| | Output Power | W | 65 | 120 | 120 |
| | Density | uF | / | / | / |
| | Speed | r / min | 850 | 940 | 940 |

The company reserves the right to change the technical characteristics without notice.

External multi split air conditioning units

R 32 

INVERTER 



| Model | | | SFM-270U3-AU2 | SFM-360U4-AU2 | SFM-420U5-AU2 |
|-----------------------------------------------|----------------------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|
| Outdoor Fan | Material | | Plastic | Plastic | Plastic |
| | Diameter | mm | Ø 553 x 146 | Ø 550 x 125 | Ø 550 x 125 |
| | Number of Fans | | 1 | 1 | 1 |
| Airflow Volume | | CFM | 2412 | 2353 | 2471 |
| | | m ³ / h | 4100 | 4000 | 4200 |
| Outdoor Coil | Number Of Row | | 2 | 3 | 3 |
| | Pipe Pitch x Row Pitch | mm | 22 x 19,05 | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Pitch | mm | 1,3 | 1,5 | 1,5 |
| | Fin Material | | Hydrophilic aluminum fin | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | External Diameter, Pipe Material | mm | φ7, Inner grooved | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (Length x Height x Weight) | mm | 871 x 660 x 38,1 | 1070 x 759 x 38,1 | 1070 x 759 x 38,1 |
| | Heat Exchange Area | m ² m ² | 27,12 | 58,33 | 58,33 |
| Noise Level | Noise Pressure Level | dB (A) | 57 | 61 | 61 |
| | Noise Level | dB (A) | 67 | 70 | 70 |
| Dimension | Actual Dimension (Width x Depth x Height) | mm | 900 x 350 x 700 | 985 x 395 x 808 | 985 x 395 x 808 |
| | Packaging Dimension (Width x Depth x Height) | mm | 1015 x 415 x 755 | 1105 x 495 x 895 | 1105 x 495 x 895 |
| Weight | Net | kg | 44,5 | 74 | 75 |
| | Gross | kg | 48 | 78 | 79 |
| Refrigerant/Quantity | Type | | R32 | R32 | R32 |
| | Refrigerant Quantity | kg | 1,45 | 2,3 | 2,3 |
| | Additional Refrigerant Charge | (g / m) | 25 | 25 | 25 |
| Piping | Liquid Line | mm (inch) | 3 x 6,35 (1/4) | 4 x 6,35 (1/4) | 5 x 6,35 (1/4) |
| | Gas Line | mm (inch) | 3 x 9,52 (3/8) | 4 x 9,52 (3/8) | 5 x 9,52 (3/8) |
| | Maximum Allowed Length | m | 60 | 80 | 80 |
| | Maximum Length for One Indoor Unit | m | 30 | 35 | 35 |
| | Maximum Elevation Difference | m | 15 | 15 | 15 |
| | Maximum Elevation Difference | m | 10 | 10 | 10 |
| Environmental Temperature (Cooling / Heating) | | °C | -10~52 / -15~24 | -10~52 / -15~24 | -10~52 / -15~24 |
| Wiring Specifications | Power Wiring (ODU) | mm ² | 3 x 2,5 | 3 x 4 | 3 x 4 |
| | Connection Wiring (IDU & ODU) | mm ² | 4 x 1,5 | 4 x 1,5 | 4 x 1,5 |

The company reserves the right to change the technical characteristics without notice.

Wall air conditioning units multi split



R32



INVERTER



Wi-Fi



EXTRA FILTERS



| Model | | | SFM - 09ZES - AU1 | SFM - 12ZES - AU1 | SFM - 18ZES - AU1 |
|-------------------|----------------------------------------------|--------------------|--------------------------|--------------------------|--------------------------|
| Capacity | Cooling | Btu / h | 9000 (4780-11260) | 12285 (5800 - 12625) | 17747 (8530 - 19790) |
| | | kW | 2,58 (1,40 - 3,30) | 3,50 (1,70 - 3,70) | 5,27 (2,50 - 5,80) |
| | Heating | Btu / h | 9215 (4095 - 10240) | 12625 (5120 - 12625) | 18085 (7680 - 19790) |
| | | kW | 2,70 (1,20 - 3,00) | 3,50 (1,50 - 3,70) | 5,37 (2,25 - 5,80) |
| Electrical Data | Electric Power Supply | V~,Hz,Ph | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 |
| | Power Consumption in Cooling | W | 40 (12 ~ 68) | 40 (12 ~ 68) | 63 (16 ~ 88) |
| | Power Consumption in Heating | W | 40 (12 ~ 68) | 40 (12 ~ 68) | 63 (16 ~ 88) |
| Internal Fan | Model | | YYK18-4B | YYK18-4B | D-310-30-8 |
| | Brand | | WEILING | WEILING | WEILING |
| | Output Power | W | 18 | 18 | 30 |
| | Capacitor | | 1,5 | 1,5 | / |
| | Speed (Hi / Mi / Lo) | r / min | 1250 | 1250 | 1330 |
| Internal Coil | Number of Rows | | 2 | 2 | 2 |
| | Tube Pitch x Row Pitch | mm | 19,05 x 11,6 | 19,05 x 11,6 | 20,5 x 12,7 |
| | Fin Pitch | mm | 1,3 | 1,3 | 1,4 |
| | Fin Material | | Hydrophilic aluminum fin | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | External Diameter & Tube Material | mm | φ5, Inner grooved | φ5, Inner grooved | φ7, Inner grooved |
| | Coil Size (Length x Height x Weight) | mm | 560 x 286 x 23,2 | 560 x 286 x 23,2 | 670 x 328 x 25,4 |
| | Heat Exchange Area | m ² | 8,06 | 8,06 | 8,59 |
| Efficiency | Airflow Volume | CFM | 353 | 353 | 500 |
| | | m ³ / h | 600 | 600 | 850 |
| | Noise Level | dB (A) | 40/36/32 | 41/36/33 | 44/41/35 |
| | Noise Level | dB (A) | 54 | 52 | 57 |
| Dimension | Actual Dimension (Width x Depth x Height) | mm | 750 x 285 x 200 | 750 x 285 x 200 | 900 x 310 x 225 |
| | Packaging Dimension (Width x Depth x Height) | mm | 820 x 347 x 277 | 820 x 347 x 277 | 970 x 382 x 302 |
| Weight | Net | kg | 8 | 8 | 11 |
| | Gross | kg | 10 | 10 | 13 |
| Refrigerant Fluid | | | R32 | R32 | R32 |
| Pipe Diameter | Liquid Line | mm (inch) | 6,35 (1/4) | 6,35 (1/4) | 6,35 (1/4) |
| | Gas Line | mm (inch) | 9,52 (3/8) | 9,52 (3/8) | 12,70 (1/2) |
| | Drain | mm | 16,5 | 16,5 | 16,5 |

The company reserves the right to change the technical characteristics without notice.

Wall air conditioning units multi split



R 32



INVERTER



Wi-Fi



EXTRA FILTERS



| Model | | | SFM - 09ALSI - AU1 | SFM - 12ALSI - AU1 | SFM - 18ALSI - AU1 |
|-------------------|----------------------------------------------|----------------|--------------------------|--------------------------|--------------------------|
| Capacity | Cooling | Btu / h | 9000 (4780 - 11260) | 12285 (5800 - 12625) | 17747 (8530 - 19790) |
| | | kW | 2,58 (1,40 - 3,30) | 3,50 (1,70 - 3,70) | 5,27 (2,50 - 5,80) |
| | Heating | Btu / h | 9215 (4095 - 10240) | 12625 (5120 - 12625) | 18085 (7680 - 19790) |
| | | kW | 2,70 (1,20 - 3,00) | 3,50 (1,50 - 3,70) | 5,37 (2,25 - 5,80) |
| Electrical Data | Electric Power Supply | V~,Hz,Ph | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 |
| | Power Consumption in Cooling | W | 40 (12 ~ 68) | 40 (12 ~ 68) | 63 (16 ~ 88) |
| | Power Consumption in Heating | W | 40 (12 ~ 68) | 40 (12 ~ 68) | 63 (16 ~ 88) |
| Internal Fan | Model | | YYK18-4B | YYK18-4B | D-310-30-8 |
| | Brand | | WEILING | WEILING | WEILING |
| | Output Power | W | 18 | 18 | 30 |
| | Capacitor | | 1,5 | 1,5 | / |
| | Speed (Hi / Mi / Lo) | r / min | 1250 | 1250 | 1330 |
| Internal Coil | Number of Rows | | 2 | 2 | 2 |
| | Tube Pitch x Row Pitch | mm | 19,05 x 11,6 | 19,05 x 11,6 | 20,5 x 12,7 |
| | Fin Pitch | mm | 1,3 | 1,3 | 1,4 |
| | Fin Material | | Hydrophilic aluminum fin | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | External Diameter & Tube Material | mm | φ5, Inner grooved | φ5, Inner grooved | φ7, Inner grooved |
| | Coil Size (Length x Height x Weight) | mm | 560 x 286 x 23,2 | 560 x 286 x 23,2 | 670 x 328 x 25,4 |
| | Heat Exchange Area | m ² | 8,06 | 8,06 | 8,59 |
| Efficiency | Airflow Volume | CFM | 353 | 353 | 500 |
| | | Noise | 600 | 600 | 850 |
| | Noise Level | dB (A) | 40/36/32 | 41/36/33 | 44/41/35 |
| | Noise Level | dB (A) | 54 | 52 | 55 |
| Dimension | Actual Dimension (Width x Depth x Height) | mm | 792 x 292 x 201 | 792 x 292 x 201 | 940 x 316 x 224 |
| | Packaging Dimension (Width x Depth x Height) | mm | 888 x 370 x 290 | 888 x 370 x 290 | 1010 x 385 x 310 |
| Weight | Net | kg | 8,5 | 8,5 | 11,5 |
| | Gross | kg | 10,5 | 10,5 | 13,5 |
| Refrigerant Fluid | | | R32 | R32 | R32 |
| Pipe Diameter | Liquid Line | mm (inch) | 6,35 (1/4) | 6,35 (1/4) | 6,35 (1/4) |
| | Gas Line | mm (inch) | 9,52 (3/8) | 9,52 (3/8) | 12,70 (1/2) |
| | Drain | mm | 16,5 | 16,5 | 16,5 |

The company reserves the right to change the technical characteristics without notice.

Duct air conditioning units multi split



R32



INVERTER



| Model | | | SFM - 09DU - AU1 | SFM - 12DU - AU1 | SFM - 18DU - AU1 |
|-------------------|----------------------------------------------|-------------------------------|----------------------|----------------------|----------------------|
| Capacity | Cooling | Btu / h | 8872 (5120 - 12115) | 12280 (5835 - 13135) | 17400 (8530 - 19790) |
| | | kW | 2,60 (1,50 - 3,55) | 3,60 (1,71 - 3,85) | 5,10 (2,50 - 5,80) |
| | Heating | Btu / h | 9895 (5800 - 12450) | 13650 (6480 - 13375) | 19790 (9690 - 21835) |
| | | kW | 2,90 (1,70 - 3,65) | 4,00 (1,90 - 3,92) | 5,80 (2,84 - 6,40) |
| Electrical Data | Electric Power Supply | V~, Hz, Ph | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 | 220 ~ 240, 50, 1 |
| | Power Consumption in Cooling | W | 55 | 55 | 75 |
| | Power Consumption in Heating | W | 55 | 55 | 75 |
| Fan | Model | | FP40B-ZL | FP40B-ZL | FP90C-ZL |
| | Brand | | KAIBANG | KAIBANG | KAIBANG |
| | Output Power | W | 40 | 40 | 55 |
| | Density | uF | / | / | / |
| | Speed (Hi / Mi / Lo) | r / min | 1020 / 870 / 780 | 1050 / 900 / 800 | 1020 / 870 / 800 |
| Internal Coil | Number of Rows | | 2 | 2 | 2 |
| | Tube Pitch x Row Pitch | mm | 20,5 x 12,7 | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Pitch | mm | 1,4 | 1,4 | 1,4 |
| | Fin Material | | Hydrophilic aluminum | Hydrophilic aluminum | Hydrophilic aluminum |
| | External Diameter & Tube Material | mm | φ7, Inner grooved | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (Length x Height x Weight) | mm | 541 x 255 x 25,4 | 541 x 255 x 25,4 | 840 x 255 x 25,4 |
| | Heat Exchange Area | m ² m ² | 5,01 | 5,01 | 7,78 |
| Efficiency | Air Flow Volume | CFM | 353 / 265 / 224 | 400 / 329 / 265 | 506 / 388 / 353 |
| | | Noise | 600 / 450 / 380 | 680 / 560 / 450 | 860 / 660 / 600 |
| | Noise Level | dB (A) | 35 / 31 / 28 | 38 / 34 / 31 | 42 / 38 / 36 |
| | ESP (External Static Pressure) | dB (A) | 53 | 53 | 55 |
| | ESP | Pa | 10/30 | 10/30 | 10/30 |
| Dimension | Actual Dimension (Width x Depth x Height) | mm | 700 x 470 x 200 | 700 x 470 x 200 | 1000 x 470 x 200 |
| | Packaging Dimension (Width x Depth x Height) | mm | 1005 x 580 x 275 | 1005 x 580 x 275 | 1305 x 580 x 275 |
| Weight | Net | kg | 18,5 | 18,5 | 24 |
| | Gross | kg | 22 | 22 | 28 |
| Refrigerant Fluid | | | R32 | R32 | R32 |
| Pipe Diameter | Liquid Line | mm (inch) | 6,35 (1/4) | 6,35 (1/4) | 6,35 (1/4) |
| | Gas Line | mm (inch) | 9,52 (3/8) | 9,52 (3/8) | 12,7 (1/2) |
| | Drain | mm | 16,5 | 16,5 | 16,5 |

The company reserves the right to change the technical characteristics without notice.

Cassette type air conditioning units multi split



R 32



INVERTER



| Model | | | SFM - 09CU - AU1 | SFM - 12CU - AU1 | SFM - 18CU - AU1 |
|-------------------|--------------------------------------------------|-------------------------------|----------------------|----------------------|----------------------|
| Capacity | Cooling | Btu / h | 9560 (5120-12115) | 12285 (5800-12625) | 17060 (8530-19107) |
| | | kW | 2,80 (1,50-3,55) | 3,60(1,70-3,70) | 5,0 (2,50-5,6) |
| | Heating | Btu / h | 10240 (5460-13000) | 13306 (6930-15080) | 19107 (10340-24000) |
| | | kW | 3,00 (1,60-3,81) | 3,9 (2,03-4,42) | 5,6 (3,03-7,03) |
| Electrical Data | Electric Power Supply | V~, Hz, Ph | 220~240, 50, 1 | 220~240, 50, 1 | 220~240, 50, 1 |
| | Power Consumption in Cooling | W | 70 (17,5-109) | 70 (17,5-109) | 70 (17,5-109) |
| | Power Consumption in Heating | W | 70 (17,5-109) | 70 (17,5-109) | 70 (17,5-109) |
| Fan | Model | | XD30B | XD30B | XD30B |
| | Brand | | XINJUN | XINJUN | XINJUN |
| | Output Power | W | 30 | 30 | 30 |
| | Density | uF | 2 | 2 | 2 |
| | Speed (Hi / Mi / Lo) | r / min | 810 / 750 / 660 | 810 / 750 / 660 | 810 / 750 / 660 |
| Internal Coil | Number of Rows | | 2 | 2 | 2 |
| | Tube Pitch x Row Pitch | mm | 20,5 x 12,7 | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Pitch | mm | 1,5 | 1,4 | 1,5 |
| | Fin Material | | Hydrophilic aluminum | Hydrophilic aluminum | Hydrophilic aluminum |
| | External Diameter & Tube Material | mm | φ7, Inner grooved | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (Length x Height x Weight) | mm | 1320 x 205 x 25,4 | 1320 x 205 x 25,4 | 1320 x 205 x 25,4 |
| | Heat Exchange Area | m ² m ² | 6,12 | 6,12 | 6,12 |
| Efficiency | Air Flow Volume | CFM | 412 / 353 / 312 | 412 / 353 / 312 | 412 / 353 / 312 |
| | | Noise | 700 / 600 / 530 | 700 / 600 / 530 | 700 / 600 / 530 |
| | Noise Level | dB (A) | 45 / 41 / 35 | 45 / 41 / 35 | 45 / 41 / 35 |
| | Noise Level | dB (A) | 56 | 56 | 56 |
| Dimension | Actual Dimension Dim (Width x Depth x Height) | mm | 570 x 570 x 260 | 570 x 570 x 260 | 570 x 570 x 260 |
| | Packaging Dimension Dim (Width x Depth x Height) | mm | 720 x 650 x 290 | 720 x 650 x 290 | 720 x 650 x 290 |
| | Actual Dimension (Width x Depth x Height) | mm | 650 x 650 x 55 | 650 x 650 x 55 | 650 x 650 x 55 |
| | Packaging Dimension (Width x Depth x Height) | mm | 710 x 710 x 80 | 710 x 710 x 80 | 710 x 710 x 80 |
| Weight | Net (Body) | kg | 14,5 | 14,5 | 16 |
| | Gross (Body) | kg | 17 | 17 | 18,5 |
| | Net (Panel) | kg | 2,2 | 2,2 | 2,2 |
| | Gross (Panel) | kg | 3,7 | 3,7 | 3,7 |
| Refrigerant Fluid | | | R32 | R32 | R32 |
| Pipe Diameter | Liquid Line | mm (inch) | 6,35 (1/4) | 6,35 (1/4) | 6,35 (1/4) |
| | Gas Line | mm (inch) | 12,7 (1/2) | 12,7 (1/2) | 12,7 (1/2) |
| | Drain | mm | 20 | 20 | 20 |
| Loading Qty | 20/40/40H | unit | 147 / 309 / 348 | 147 / 309 / 348 | 147 / 309 / 348 |

The company reserves the right to change the technical characteristics without notice.

Floor - ceiling air conditioning units multi split



| Model | | | SFM - 09CFF - AU1 | SFM - 12CFF - AU1 | SFM - 18CFF - AU1 |
|-------------------|----------------------------------------------|-------------------------------|----------------------|----------------------|----------------------|
| Capacity | Cooling | Btu / h | 9560 (5120-12115) | 12285 (5800-12625) | 18000 (8530-19107) |
| | | kW | 2,80 (1,50-3,55) | 3,60 (1,70-3,70) | 5,3 (2,50-5,6) |
| | Heating | Btu / h | 10240 (5460-13000) | 13306 (6930-15080) | 19790 (10340-24000) |
| | | kW | 3,00 (1,60-3,81) | 3,9 (2,03-4,42) | 5,8 (3,03-7,03) |
| Electrical Data | Electric Power Supply | V~, Hz, Ph | 220~240, 50, 1 | 220~240, 50, 1 | 220~240, 50, 1 |
| | Power Consumption in Cooling | W | 70 (20-125) | 70 (20-125) | 80 (20-125) |
| | Power Consumption in Heating | W | 70 (20-125) | 70 (20-125) | 80 (20-125) |
| Fan | Model | | FP40D-ZL | FP40D-ZL | FP40D-ZL |
| | Brand | | WOLONG | WOLONG | WOLONG |
| | Output Power | W | 40 | 40 | 40 |
| | Density | uF | / | / | / |
| | Speed (Hi / Mi / Lo) | r / min | 850 / 730 / 630 | 850 / 730 / 630 | 950 / 790 / 690 |
| Internal Coil | Number of Rows | | 2 | 2 | 3 |
| | Tube Pitch x Row Pitch | mm | 20,5 x 12,7 | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Pitch | mm | 1,5 | 1,5 | 1,5 |
| | Fin Material | | Hydrophilic aluminum | Hydrophilic aluminum | Hydrophilic aluminum |
| | External Diameter & Tube Material | mm | φ7, Inner grooved | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (Length x Height x Weight) | mm | 691 x 307 x 25,4 | 691 x 307 x 25,4 | 691 x 307 x 38,1 |
| | Heat Exchange Area | m ² m ² | 7,05 | 7,05 | 7,05 |
| Efficiency | Air Flow Volume | CFM | 494 / 410 / 370 | 494 / 410 / 370 | 530 / 420 / 350 |
| | | Noise | 840 / 700 / 580 | 840 / 700 / 580 | 900 / 720 / 600 |
| | Noise Level | dB (A) | 40 / 34 / 31 | 40 / 34 / 31 | 42 / 35 / 33 |
| | Επίπεδο στάθμης θορύβου | dB (A) | 55 | 55 | 58 |
| Dimension | Actual Dimension (Width x Depth x Height) | mm | 1000 x 690 x 235 | 1000 x 690 x 235 | 1000 x 690 x 235 |
| | Packaging Dimension (Width x Depth x Height) | mm | 1080 x 770 x 325 | 1080 x 770 x 325 | 1080 x 770 x 325 |
| Weight | Net | kg | 27 | 27 | 28 |
| | Gross | kg | 32,5 | 32,5 | 33,5 |
| Refrigerant Fluid | | | R32 | R32 | R32 |
| Pipe Diameter | Liquid Line | mm (inch) | 6,35 (1/4) | 6,35 (1/4) | 6,35 (1/4) |
| | Gas Line | mm (inch) | 12,7 (1/2) | 12,7 (1/2) | 12,7 (1/2) |
| | Drain | mm | 20 | 20 | 20 |

The company reserves the right to change the technical characteristics without notice.

Console air conditioning units multi split



| Model | | | SFM - 09 CO | SFM - 12 CO | SFM - 16 CO |
|-------------------|-----------------------------------|-------------------|-------------------|-------------------|-------------------|
| Capacity | Cooling | kW | 2.60(1.50-3.55) | 3.50(1.70-3.70) | 4.70(2.50-4.80) |
| | Heating | kW | 2.80(1.50-3.55) | 3.50(1.50-3.70) | 5.0(2.50-5.6) |
| Electrical Data | Electric Power Supply | V~,Hz,Ph | 220 ~ 240,50,1 | 220 ~ 240,50,1 | 220~240,50,1 |
| | Power Consumption in Cooling | W | 40(20-65) | 40(20-65) | 55(20-80) |
| | Power Consumption in Heating | W | 40(20-65) | 40(20-65) | 55(20-80) |
| Fan | Model | | RD35HA | RD35HA | RD35HA |
| | Brand | | wolong | wolong | wolong |
| | Output Power | W | 35 | 35 | 35 |
| | Density | uF | / | / | / |
| | Speed (Hi / Mi / Lo) | r/min | 650 | 650 | 690 |
| Internal Coil | Number of Rows | | 2 | 2 | 2 |
| | Tube Pitch x Row Pitch | mm | 21 x 13.37 | 21 x 13.37 | 21 x 13.37 |
| | Fin Pitch | mm | 1.3 | 1.3 | 1.3 |
| | Fin Material | | Hydrophilic | Hydrophilic | Hydrophilic |
| | External Diameter & Tube Material | mm | Ø7,Inner grooved | Ø7,Inner grooved | Ø7,Inner grooved |
| | Coil Size (W x D x H) | mm | 515 x 399 x 26.74 | 515 x 399 x 26.74 | 515 x 399 x 26.74 |
| | Heat Exchange Area | m ² | 8.45 | 8.45 | 8.45 |
| Efficiency | Air Flow Volume | CFM | 353 | 353 | 382 |
| | | m ³ /h | 600/530/430 | 600/530/430 | 650/550/450 |
| | Noise Level | dB(A) | 42/39/36 | 42/39/36 | 44/40/37 |
| | Noise Level | dB(A) | 52 | 52 | 54 |
| Dimension | Actual Dimension (W x D x H) | mm | 700×225×600 | 700×225×600 | 700×225×600 |
| | Packaging Dimension (W x D x H) | mm | 780×300×675 | 780×300×675 | 780×300×675 |
| Weight | Net | kg | 15 | 15 | 15 |
| | Gross | kg | 19 | 19 | 19 |
| Refrigerant Fluid | | | R32 | R32 | R32 |
| Pipe Diameter | Liquid Line | mm(inch) | 6.35(1/4) | 6.35(1/4) | 6.35(1/4) |
| | Gas Line | mm(inch) | 9.52(3/8) | 9.52(3/8) | 9.52(3/8) |
| | Drain | mm | 20 | 20 | 20 |

The company reserves the right to change the technical characteristics without notice.

External air conditioning units (universal type)

R 32



INVERTER



| Model | | | SND - 18AUFM - OD | SND - 24AUFM - OD | SND - 36AUFM - OD |
|-----------------------------------------------|---------------------------------|--------------------|----------------------|-----------------------|-----------------------|
| Power supply | | V~, Hz, Ph | 220 - 240 / 50 / 1 | 220 - 240 / 50-60 / 1 | 220 - 240 / 50-60 / 1 |
| Capacity | Cooling | Btu / h | 18000 (5200 - 19100) | 24000 (7400 - 28000) | 36000 (9800 - 44300) |
| | | KW | 5,00 (1,53 - 5,60) | 7,00 (2,16 - 8,20) | 10,55 (2,9 - 13) |
| | Heating | Btu / h | 19100 (4800 - 21200) | 27300 (6800 - 31700) | 38000 (8800 - 46000) |
| | | KW | 5,60 (1,40 - 6,20) | 8,00 (1,98 - 9,30) | 11,15 (2,6 - 13,5) |
| Compressor DC Inverter | Model | | KSM135D23UFZ | KTM240D57UKP | KTF310D43UMT |
| | Type | | ROTARY | ROTARY | ROTOR |
| | Brand | | GMCC | GMCC | GMCC |
| | Capacity | W | 4245 | 7715 | 10010 |
| | Input | W | 1075 | 2085 | 2765 |
| | Frequency Range | Hz | 10 - 120 | 12 - 120 | 12 - 120 |
| | Rated Current (RLA) | A | 7,1 | 9,5 | 5,38 |
| | Cooling Oil | ml | 440 (VG74) | 670 (VG74) | 1000 (VG74) |
| Outdoor fan motor | Model | | D - 40 - 8 | D - 69 - 8 | D - 310 - 120 - 8A |
| | Brand | | WELLING | WELLING | WOLONG |
| | Outdoor power x fan quantity | W | 40 x 1 | 69 x 1 | 120 x 1 |
| | Capacitor | uF | / | / | / |
| | Speed | r / min | 850 | 870 | 940 |
| Air flow volume | | CFM | 1529 | 2206 | 2353 |
| | | m ³ / h | 2600 | 3750 | 4000 |
| Sound pressure noise level | | dB (A) | 55 | 58 | 57 |
| Sound power noise level | | dB (A) | 64 | 66 | 66 |
| Dimensions (W x D x H) | Net | mm | 800 x 315 x 545 | 900 x 350 x 700 | 970 x 395 x 805 |
| | Packing | mm | 920 x 400 x 620 | 1020 x 430 x 770 | 1105 x 495 x 895 |
| Weight | Net | kg | 37 | 51 | 72 |
| | Gross | kg | 40 | 55 | 76 |
| Refrigerant / quantity | Type | | R32 | R32 | R32 |
| | Charged Volume | kg | 1,16 | 1,4 | 2,54 |
| Design pressure | | MPa | 4,2 | 4,2 | 4,2 |
| Refrigerant piping | Liquid side | mm (inch) | 6,35 (1/4) | 9,52 (3/8) | 9,52 (3/8) |
| | Gas side | mm (inch) | 12,70 (1/2) | 15,88 (5/8) | 15,88 (5/8) |
| | Drainage | mm | R3 / 4in (DN20) | R3 / 4in (DN20) | R3 / 4in (DN20) |
| | Max. length | m | 30 | 50 | 65 |
| | Max. height | m | 20 | 25 | 30 |
| Operation temperature range | | °C | 16 ~ 32 | 16 ~ 32 | 16 ~ 32 |
| Ambient temperature range (cooling / heating) | | °C | -15 ~ 52 / -15 ~ 24 | -15 ~ 52 / -15 ~ 24 | -15 ~ 52 / -15 ~ 24 |
| Connection wiring | Power wiring (indoor) | mm ² | 3 x 2,5 | 3 x 2,5 | 3 x 2,5 |
| | Power wiring (outdoor) | mm ² | 3 x 2,5 | 3 x 2,5 | 3 x 2,5 |
| | Signal wiring | mm ² | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 |

The company reserves the right to change the technical characteristics without notice.

External air conditioning units (universal type)

R 32



INVERTER



| Model | | | SND - 18AUFM - OD | SND - 24AUFM - OD | SND - 36AUFM - OD |
|-----------------------------------------------|---------------------------------|--------------------|----------------------|-----------------------|-----------------------|
| Power supply | | V~, Hz, Ph | 220 - 240 / 50 / 1 | 220 - 240 / 50-60 / 1 | 220 - 240 / 50-60 / 1 |
| Capacity | Cooling | Btu / h | 18000 (5200 - 19100) | 24000 (7400 - 28000) | 36000 (9800 - 44300) |
| | | KW | 5,00 (1,53 - 5,60) | 7,00 (2,16 - 8,20) | 10,55 (2,9 - 13) |
| | Heating | Btu / h | 19100 (4800 - 21200) | 27300 (6800 - 31700) | 38000 (8800 - 46000) |
| | | KW | 5,60 (1,40 - 6,20) | 8,00 (1,98 - 9,30) | 11,15 (2,6 - 13,5) |
| Compressor DC Inverter | Model | | KSM135D23UFZ | KTM240D57UKP | KTF310D43UMT |
| | Type | | ROTARY | ROTARY | ROTOR |
| | Brand | | GMCC | GMCC | GMCC |
| | Capacity | W | 4245 | 7715 | 10010 |
| | Input | W | 1075 | 2085 | 2765 |
| | Frequency Range | Hz | 10 - 120 | 12 - 120 | 12 - 120 |
| | Rated Current (RLA) | A | 7,1 | 9,5 | 5,38 |
| | Cooling Oil | ml | 440 (VG74) | 670 (VG74) | 1000 (VG74) |
| Outdoor fan motor | Model | | D - 40 - 8 | D - 69 - 8 | D - 310 - 120 - 8A |
| | Brand | | WELLING | WELLING | WOLONG |
| | Outdoor power x fan quantity | W | 40 x 1 | 69 x 1 | 120 x 1 |
| | Capacitor | uF | / | / | / |
| | Speed | r / min | 850 | 870 | 940 |
| Air flow volume | | CFM | 1529 | 2206 | 2353 |
| | | m ³ / h | 2600 | 3750 | 4000 |
| Sound pressure noise level | | dB (A) | 55 | 58 | 57 |
| Sound power noise level | | dB (A) | 64 | 66 | 66 |
| Dimensions (W x D x H) | Net | mm | 800 x 315 x 545 | 900 x 350 x 700 | 970 x 395 x 805 |
| | Packing | mm | 920 x 400 x 620 | 1020 x 430 x 770 | 1105 x 495 x 895 |
| Weight | Net | kg | 37 | 51 | 72 |
| | Gross | kg | 40 | 55 | 76 |
| Refrigerant / quantity | Type | | R32 | R32 | R32 |
| | Charged Volume | kg | 1,16 | 1,4 | 2,54 |
| Design pressure | | MPa | 4,2 | 4,2 | 4,2 |
| Refrigerant piping | Liquid side | mm (inch) | 6,35 (1/4) | 9,52 (3/8) | 9,52 (3/8) |
| | Gas side | mm (inch) | 12,70 (1/2) | 15,88 (5/8) | 15,88 (5/8) |
| | Drainage | mm | R3 / 4in (DN20) | R3 / 4in (DN20) | R3 / 4in (DN20) |
| | Max. length | m | 30 | 50 | 65 |
| | Max. height | m | 20 | 25 | 30 |
| Operation temperature range | | °C | 16 ~ 32 | 16 ~ 32 | 16 ~ 32 |
| Ambient temperature range (cooling / heating) | | °C | -15 ~ 52 / -15 ~ 24 | -15 ~ 52 / -15 ~ 24 | -15 ~ 52 / -15 ~ 24 |
| Connection wiring | Power wiring (indoor) | mm ² | 3 x 2,5 | 3 x 2,5 | 3 x 2,5 |
| | Power wiring (outdoor) | mm ² | 3 x 2,5 | 3 x 2,5 | 3 x 2,5 |
| | Signal wiring | mm ² | 5 x 1,5 | 5 x 1,5 | 5 x 1,5 |

The company reserves the right to change the technical characteristics without notice.

External air conditioning units (universal type)

R32  INVERTER 



| Model | | | SOU-48UAU1 | SOU-60UAU1 |
|-----------------------------------------------|----------------------------------------------|--------------------|--------------------------------------|--------------------------------------|
| Power Supply | | V~, Hz, Ph | 380-415/50&60/3 | 380-415/50&60/3 |
| Capacity | Cooling | Btu / h | 48000(16241-56298) | 55000(16241-59710) |
| | | KW | 14.00(4.76-16.50) | 16.00(4.76-17.5) |
| | Heating | Btu / h | 55000(16309-55104) | 58000(16308-63122) |
| | | KW | 16.00(4.78-16.15) | 17.00(4.78-18.50) |
| Compressor DC Inverter | Model | | KTF400D66UMVA | KTF400D66UMVA |
| | Type | | ROTOR | ROTOR |
| | Brand | | GMCC | GMCC |
| | Capacity | W | 13100 | 13100 |
| | Input | W | 3465 | 3465 |
| | Frequency Range | Hz | 12-120 | 12-120 |
| | Rated Load Amps (RLA) | A | 6.65 | 6.65 |
| Refrigerant Oil | ml | 1400 (VG74) | 1400 (VG74) | |
| External Fan Motor | Model | | CW100A-ZL | CW100A-ZL |
| | Brand | | Panasonic | Panasonic |
| | Output Power x Quantity of Fan | W | 100 x 2 | 100 x 2 |
| | Density | uF | / | / |
| | Speed | r / min | 780 | 780 |
| Coil | Number Of Rows | | 2.5 | 2.5 |
| | Tube Pitch x Row Pitch | mm | 22 x 19.05 | 22 x 19.05 |
| | Fin Spacing | mm | 1.6 | 1.6 |
| | Fin Material | | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | Outer Diameter & Tube Material | mm | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (L x H x W) | mm | 891 x 1276 x 38.1+530 x 1276 x 19.05 | 891 x 1276 x 38.1+530 x 1276 x 19.05 |
| Number of Circuits | / | 10 | 10 | |
| Air Flow Volume | | CFM | 4235 | 4235 |
| | | m ³ / h | 7200 | 7200 |
| Noise Pressure Level | | dB (A) | 60 | 60 |
| Noise Level | | dB (A) | 70 | 70 |
| Dimension | Actual Dimension (Width x Depth x Height) | mm | 940 x 370 x 1325 | 940 x 370 x 1325 |
| | Packaging Dimension (Width x Depth x Height) | mm | 1080 x 430 x 1440 | 1080 x 430 x 1440 |
| Weight | Net | kg | 92 | 92 |
| | Gross | kg | 102 | 102 |
| Refrigerant Fluid / Quantity | Type | | R32 | R32 |
| | Charged Volume | kg | 3.6 | 3.6 |
| Operating Pressure | | MPa | 4.2 | 4.2 |
| Cooling Pipelines | Liquid Line | mm (inch) | 9.52(3/8) | 9.52(3/8) |
| | Gas Line | mm (inch) | 19.05(3/4) | 19.05(3/4) |
| | Drain | mm | R3/4in(DN20) | R3/4in(DN20) |
| | Maximum Length | m | 65 | 65 |
| | Maximum Height | m | 30 | 30 |
| Operating Temperature Range | | °C | 16~32 | 16~32 |
| Ambient Temperature Range (Cooling / Heating) | | °C | -15~52/-15~24 | -15~52/-15~24 |
| Wiring Connection | Power Wiring (Internal) | mm ² | / | / |
| | Power Wiring (External) | mm ² | 5 x 2.5 | 5 x 2.5 |
| | Connection Wiring | mm ² | 3 x 1.5 | 3 x 1.5 |
| | Signal Wiring | mm ² | 2 x 0.75 | 2 x 0.75 |

Duct air conditioning units



| Model | | Internal Unit | | SDU - 12HS - AU1 | SDU - 18HS - AU1 |
|-------------------|----------------------------------|---------------|--------------------|--------------------------|--------------------------|
| | | External Unit | | SOU - 12UAU1 | SOU - 18UAU1 |
| Power Supply | | | V~, Hz, Ph | 220 - 240/ 50 & 60 / 1 | 220 - 240/ 50 & 60 / 1 |
| Capacity | Cooling | Btu / h | | 12280 (5835 - 13135) | 18000 (5200 - 19100) |
| | | Heating | | 3,60 (1,71 - 3,85) | 5,00 (1,53-5,60) |
| | Heating | Btu / h | | 13650 (6480 - 13375) | 19100 (4800 - 21200) |
| | | KW | | 4,00 (1,90 - 3,92) | 5,60 (1,40 - 6,20) |
| Electrical Data | Rated Cooling Power | | W | 0,55 (0,22 - 0,97) | 1,55 (0,47 - 2,30) |
| | Rated Heating Power | | W | 0,49 (0,18 - 1,02) | 1,49 (0,46 - 2,25) |
| | Rated Cooling Current | | A | 3,37 (1,17 - 5,38) | 6,73 (2,25 - 10,10) |
| | Rated Heating Current | | A | 3,53 (1,05 - 5,38) | 6,8 (2,20 - 9,88) |
| Efficiency | EER / COP | | W / W | 3,23 / 3,76 | 3,23 / 3,76 |
| | SEER / SCOP | | W / W | 6,2 / 4,0 | 6,2 / 4,0 |
| Internal Fan | Model | | | FP200B-ZL | FP200B-ZL |
| | Brand | | | Dayang | Dayang |
| | Output Power x Quantity of Fan | | W | 200 x 1 | 200 x 1 |
| | Density | | uF | / | / |
| | Speed (Hi / Mi / Lo) | | r / min | 1020 / 915 / 855 | 1020 / 915 / 855 |
| Internal Coil | Number Of Rows | | | 2 | 2 |
| | Tube Pitch x Row Pitch | | mm | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Spacing | | mm | 1,5 | 1,5 |
| | Fin Material | | | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | Outer Diameter & Tube Material | | mm | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (W x D x H) | | mm | 811 x 328 x 25,4 | 811 x 328 x 25,4 |
| | Number of Circuits | | / | 4 | 4 |
| Internal Unit | Internal Air Flow (Hi / Mi / Lo) | | m ³ / h | 680 / 560 / 450 | 1150 / 960 / 840 |
| | | | Noise | 400 / 329 / 265 | 676 / 565 / 494 |
| | Noise Level | | dB (A) | 38 / 34 / 31 | 43 / 41 / 40 |
| | Actual Dimension (W x D x H) | | dB (A) | 53 | 53 |
| | Packaging Dimension (W x D x H) | | mm | 700 x 470 x 200 | 1000 x 700 x 245 |
| | Net Weight | | mm | 1005 x 580 x 275 | 1230 x 830 x 300 |
| | Gross Weight | | Kg | 18,5 | 31 |
| | ESP | | Kg | 22 | 37 |
| Cooling Pipelines | Liquid Line | | mm (inch) | 6,35 (1/4) | 6,35 (1/4) |
| | Gas Line | | mm (inch) | 9,52 (3/8) | 12,7 (1/2) |
| | Drain | | mm | R3 / 4in (DN20) | R3 / 4in(DN20) |

Duct air conditioning units

Wi-Fi
READY



R 32



INVERTER



| Model | | Internal Unit | SDU - 24HS - AU1 | SDU - 36HS - AU1 |
|-------------------|----------------------------------------------|--------------------|--------------------------|--------------------------|
| | | External Unit | SOU - 24UAU1 | SOU - 36UAU1 |
| Power Supply | | V~, Hz, Ph | 220 - 240 / 50 & 60 / 1 | 220 - 240 / 50 & 60 / 1 |
| Capacity | Cooling | Btu / h | 24000 (7400 - 28000) | 36000 (9800 - 44300) |
| | | KW | 7,00 (2,16 - 8,20) | 10,55 (2,9 - 13) |
| | Heating | Btu / h | 27300 (6800 - 31700) | 38000 (8800 - 46000) |
| | | KW | 8,00 (1,98 - 9,30) | 11,15 (2,6-13,5) |
| Electrical Data | Rated Cooling Power | W | 2,12 (0,67 - 3,56) | 3,4 (0,71 - 4,71) |
| | Rated Heating Power | W | 2,12 (0,65 - 3,62) | 3,45 (0,47 - 4,13) |
| | Rated Cooling Current | A | 9,22 (3,21 - 15,63) | 15 (3,2 - 21,5) |
| | Rated Heating Current | A | 9,6 (3,11 - 15,90) | 15,5 (2,43 - 18) |
| Efficiency | EER / COP | W / W | 3,30 / 3,77 | 3,10 / 3,23 |
| | SEER / SCOP | W / W | 6,1 / 4,0 | 6,1 / 4,1 |
| Internal Fan | Model | | FP200B - ZL | FP300B - ZL |
| | Brand | | Dayang | Weiling |
| | Output Power x Quantity of Fan | W | 200 x 1 | 300 x 1 |
| | Density | uF | / | / |
| | Speed (Hi / Mi / Lo) | r / min | 1200 / 1065 / 960 | 1185 / 1095 / 1020 |
| Internal Coil | Number Of Rows | | 3 | 3 |
| | Tube Pitch x Row Pitch | mm | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Spacing | mm | 1,5 | 1,5 |
| | Fin Material | | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | Outer Diameter & Tube Material | mm | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (Length x Height x Weight) | mm | 811 x 328 x 38,1 | 1211 x 328 x 38,1 |
| | Number of Circuits | / | 6 | 6 |
| Internal Unit | Internal Air Flow (Hi / Mi / Lo) | m ³ / h | 1400 / 1190 / 980 | 1900 / 1600 / 1400 |
| | | CFM | 824 / 700 / 576 | 1118 / 941 / 824 |
| | Noise Level | dB (A) | 44 / 41 / 39 | 44 / 41 / 39 |
| | Actual Dimension (Width x Depth x Height) | mm | 55 | 55 |
| | Packaging Dimension (Width x Depth x Height) | mm | 1000 x 700 x 245 | 1400 x 700 x 245 |
| | Net Weight | mm | 1230 x 830 x 300 | 1630 x 830 x 300 |
| | Gross Weight | Kg | 32 | 42 |
| | ESP | Kg | 38 | 48 |
| ESP | Pa | 25 (0~160) | 37 (0~160) | |
| Cooling Pipelines | Liquid Line | mm (inch) | 9,52 (3/8) | 9,52 (3/8) |
| | Gas Line | mm (inch) | 15,88 (5/8) | 15,88 (5/8) |
| | Drain | mm | R3 / 4in(DN20) | R3 / 4in(DN20) |

The company reserves the right to change the technical characteristics without notice.

Duct air conditioning units



| Model | | Internal Unit | SDU - 42HS - AU1 | SDU - 48HS - AU1 | SDU - 60HS - AU1 |
|-------------------|----------------------------------|--------------------|--------------------------|--------------------------|--------------------------|
| | | External Unit | SOU - 42UAU1 | SOU - 48UAU1 | SOU - 60UAU1 |
| Power Supply | | V~, Hz, Ph | 220 - 240 / 50 & 60 / 1 | 220 - 240 / 50 & 60 / 1 | 220 - 240 / 50 & 60 / 1 |
| Capacity | Cooling | Btu / h | 42000 (9800 - 46000) | 48000 (16241 - 56298) | 55000 (16241 - 59710) |
| | | KW | 12,1(2,9 - 13,5) | 14,0 (4,76 - 16,50) | 16,00 (4,76 - 17,5) |
| | Heating | Btu / h | 46000 (8800 - 51100) | 55000 (16309 - 55104) | 58000 (16308 - 63122) |
| | | KW | 13,5 (2,6 - 15) | 16,00 (4,78 - 16,15) | 17,00 (4,78 - 18,50) |
| Electrical Data | Rated Cooling Power | W | 4,43 (0,71 - 5,1) | 5,0 (1,71 - 6,6) | 5,88 (1,71 - 6,7) |
| | Rated Heating Power | W | 4,6 (0,47 - 5,29) | 5,0 (1,71 - 6,7) | 5,6 (1,71 - 6,8) |
| | Rated Cooling Current | A | 19 (3,2 - 22,3) | 9,00 (1,50 - 15,00) | 10,50 (1,50 - 15,00) |
| | Rated Heating Current | A | 20 (2,43-23,0) | 10,00 (1,50 - 15,00) | 11,00 (1,50 - 15,00) |
| Efficiency | EER / COP | W / W | 2,73 / 2,93 | 2,8 / 3,2 | 2,72 / 3,04 |
| | SEER / SCOP | W / W | 6,1 / 4,0 | 6,1 / 4,0 | 6,1 / 4,0 |
| Internal Fan | Model | | FP300B-ZL | FP300B-ZL | FP300B-ZL |
| | Brand | | Weiling | Weiling | Weiling |
| | Output Power x Quantity of Fan | W | 300 x 1 | 300 x 1 | 300 x 1 |
| | Density | uF | / | / | / |
| | Speed (Hi / Mi / Lo) | r / min | 1185 / 1095 / 1020 | 1425 / 1305 / 1200 | 1425 / 1305 / 1200 |
| Internal Coil | Number Of Rows | | 3 | 3 | 3 |
| | Tube Pitch x Row Pitch | mm | 20,5 x 12,7 | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Spacing | mm | 1,5 | 1,5 | 1,5 |
| | Fin Material | | Hydrophilic aluminum fin | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | Outer Diameter & Tube Material | mm | φ7, Inner grooved | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (W x D x H) | mm | 1211 x 328 x 38,1 | 1211 x 328 x 38,1 | 1211 x 328 x 38,1 |
| | Number of Circuits | / | 6 | 6 | 6 |
| Internal Unit | Internal Air Flow (Hi / Mi / Lo) | m ³ / h | 1900 / 1600 / 1400 | 2300 / 2000 / 1700 | 2300 / 2000 / 1700 |
| | | CFM | 1118 / 941 / 824 | 1353 / 1176 / 1000 | 1353 / 1176 / 1000 |
| | Noise Level | dB (A) | 44 / 41 / 39 | 52 / 49 / 47 | 52 / 49 / 47 |
| | Actual Dimension (W x D x H) | mm | 55 | 64 | 64 |
| | Packaging Dimension (W x D x H) | mm | 1400 x 700 x 245 | 1400 x 700 x 245 | 1400 x 700 x 245 |
| | Net Weight | mm | 1630 x 830 x 300 | 1630 x 830 x 300 | 1630 x 830 x 300 |
| | Gross Weight | Kg | 42 | 42 | 42 |
| | ESP | Kg | 48 | 48 | 48 |
| | ESP | Pa | 37 (0~160) | 50 (0~160) | 50 (0~160) |
| Cooling Pipelines | Liquid Line | mm (inch) | 9,52 (3/8) | 9,52 (3/8) | 9,52 (3/8) |
| | Gas Line | mm (inch) | 15,88 (5/8) | 19,05 (3/4) | 19,05 (3/4) |
| | Drain | mm | R3/4in (DN20) | R3/4in (DN20) | R3/4in(DN20) |

The company reserves the right to change the technical characteristics without notice.

Cassette type air conditioning units



| Model | | Internal Unit | | SCU - 12RTAU1 | SCU - 18RTAU1 |
|-------------------|----------------------------------|---------------|-------------------|--------------------------|--------------------------|
| | | External Unit | | SOU - 12UAU1 | SOU - 18UAU1 |
| Power Supply | | | V~, Hz, Ph | 220 - 240 / 50 & 60 / 1 | 220 - 240 / 50 & 60 / 1 |
| Capacity | Cooling | Btu / h | | 12000 (4600-15000) | 18000 (5200 - 19100) |
| | | Heating | | 3,60 (1,35-4,40) | 5,00 (1,53 - 5,60) |
| | Heating | Btu / h | | 14300 (4200-18100) | 19100 (4800 - 21200) |
| | | KW | | 4,20 (1,24-5,30) | 5,60 (1,40 - 6,20) |
| Electrical Data | Rated Cooling Power | | KW | 1,08 (0,26 ~ 1,60) | 1,63 (0,47 ~ 2,30) |
| | Rated Heating Power | | KW | 1,23 (0,19 ~ 1,51) | 1,73 (0,46 ~ 2,25) |
| | Rated Cooling Current | | A | 4,74 (1,1 ~ 5,76) | 7,16 (2,25 ~ 10,10) |
| | Rated Heating Current | | A | 5,40 (0,78 ~ 6,6) | 7,60 (2,20 ~ 9,88) |
| Efficiency | EER / COP | | W / W | 3,33 / 3,41 | 3,07 / 3,24 |
| | SEER / SCOP | | W / W | 6,2 / 4,1 | 6,26 / 4,06 |
| Internal Fan | Model | | | XD30C-ZL | XD30C - ZL |
| | Brand | | | Panasonic | Panasonic |
| | Output Power x Fan Quantity | | W | 30 | 30 |
| | Density | | uF | / | / |
| | Speed (Hi / Mi / Lo) | | r / min | 790 / 670 / 610 | 840 / 720 / 660 |
| Internal Coil | Number of Rows | | | 2 | 2 |
| | Tube Pitch x Row Pitch | | mm | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Spacing | | mm | 1,4 | 1,4 |
| | Fin Material | | | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | Outer Diameter & Tube Material | | mm | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (Lx H x W) | | mm | 1305 x 205 x 25,4 | 1305 x 205 x 25,4 |
| | Number of Circuits | | / | 2 | 4 |
| Internal Unit | Internal Air Flow (Hi / Mi / Lo) | | m ³ /h | 720 / 620 / 550 | 760 / 650 / 580 |
| | | | Noise Level | 424 / 365 / 324 | 447 / 382 / 341 |
| | Noise Level | | dB (A) | 44 / 40 / 37 | 45 / 41 / 38 |
| | Actual Dimension (W x D x H) | | dB (A) | 54 | 56 |
| | Packaging Dimension (W x D x H) | | mm | 570 x 570 x 260 | 570 x 570 x 260 |
| | Net Weight | | mm | 720 x 650 x 290 | 720 x 650 x 290 |
| | Gross Weight | | Kg | 15,5 | 15,5 |
| | Gross Weight | | Kg | 18 | 18 |
| Panel | Actual Dimension (W x D x H)) | | mm | 650 x 650 x 55 | 650 x 650 x 55 |
| | Packaging Dimension (W x D x H) | | mm | 710 x 710 x 80 | 710 x 710 x 80 |
| | Net Weight | | Kg | 2,2 | 2,2 |
| | Gross Weight | | Kg | 3,7 | 3,7 |
| Cooling Pipelines | Liquid Line | | mm (inch) | 6,35 (1/4) | 6,35 (1/4) |
| | Gas Line | | mm (inch) | 12,7 0(1/2) | 12,7 0(1/2) |
| | Drain | | mm | R3/4in (DN20) | R3 / 4in (DN20) |

The company reserves the right to change the technical characteristics without notice.

Cassette type air conditioning units



| Model | | Internal Unit | | SCU - 24RTAU1 | SCU - 36RTAU1 |
|-----------------|----------------------------------|---------------|-------------------|--------------------------|--------------------------|
| | | External Unit | | SOU - 24UAU1 | SOU - 36UAU1 |
| Power Supply | | V~, Hz, Ph | | 220 - 240 / 50 & 60 / 1 | 220 - 240 / 50 & 60 / 1 |
| Capacity | Cooling | Btu / h | | 24000 (7400 - 28000) | 36000 (9800-44300) |
| | | KW | | 7,00 (2,16 - 8,20) | 10,55 (2,9-13) |
| | Heating | Btu / h | | 27300 (6800 - 31700) | 38000 (8800-46000) |
| | | KW | | 8,00 (1,98 - 9,30) | 11,15 (2,6-13,5) |
| Electrical Data | Rated Cooling Power | | KW | 2,18 (0,67 - 3,56) | 3,4 (0,71-4,71) |
| | Rated Heating Power | | KW | 2,10 (0,65 - 3,62) | 3,45 (0,47-4,13) |
| | Rated Cooling Current | | A | 9,57 (3,21 - 15,63) | 15 (3,2-21,5) |
| | Rated Heating Current | | A | 9,22 (3,11 - 15,90) | 15,5 (2,43-18) |
| Efficiency | EER / COP | | W / W | 3,21 / 3,81 | 3,10 / 3,23 |
| | SEER / SCOP | | W / W | 6,6 / 4,5 | 6,1 / 4,0 |
| Internal Fan | Model | | | XD100B-ZL 310V | XD100B-ZL 310V |
| | Brand | | | Panasonic | Panasonic |
| | Output Power x Fan Quantity | | W | 100 | 100 |
| | Density | | uF | / | / |
| | Speed (Hi / Mi / Lo) | | r / min | 580 / 530 / 470 | 750 / 700 / 650 |
| Internal Coil | Number of Rows | | | 2 | 2 |
| | Tube Pitch x Row Pitch | | mm | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Spacing | | mm | 1,4 | 1,4 |
| | Fin Material | | | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | Outer Diameter & Tube Material | | mm | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (Lx H x W) | | mm | 2054 x 205 x 25,4 | 2054 x 247 x 25,4 |
| | Number of Circuits | | / | 8 | 12 |
| Internal Unit | Internal Air Flow (Hi / Mi / Lo) | | m ³ /h | 1500 / 1350 / 1200 | 1950 / 1700 / 1600 |
| | | | CFM | 882 / 794 / 706 | 1147 / 1041 / 941 |
| | Noise Level | | dB (A) | 49 / 47 / 44 | 52 / 50 / 48 |
| | Actual Dimension (W x D x H) | | dB (A) | 56 | 60 |
| | Packaging Dimension (W x D x H) | | mm | 840 x 840 x 246 | 840 x 840 x 288 |
| | Net Weight | | mm | 910 x 910 x 310 | 910 x 910 x 350 |
| | Gross Weight | | Kg | 26 | 28 |
| Gross Weight | | Kg | 30 | 33 | |
| Panel | Actual Dimension (W x D x H)) | | mm | 950 x 950 x 55 | 950 x 950 x 55 |
| | Packaging Dimension (W x D x H) | | mm | 1000 x 1000 x 100 | 1000 x 1000 x 100 |
| | Net Weight | | Kg | 5,3 | 5,3 |
| | Gross Weight | | Kg | 7,8 | 7,8 |
| Liquid Line | Liquid Line | | mm (inch) | 9,52 (3/8) | 9,52 (3/8) |
| | Gas Line | | mm (inch) | 15,88 (5/8) | 15,88 (5/8) |
| | Drain | | mm | R3 / 4in (DN20) | R3/4in (DN20) |

The company reserves the right to change the technical characteristics without notice.

Cassette type air conditioning units



| Model | | Internal Unit | | SCU - 42RTAU1 | SCU - 48RTAU1 | SCU - 60RTAU1 |
|-------------------|----------------------------------|-------------------|--|--------------------------|--------------------------|--------------------------|
| | | External Unit | | SOU - 42UAU1 | SOU - 48UAU1 | SOU - 60UAU1 |
| Power Supply | | V~, Hz, Ph | | 220 - 240 / 50 & 60 / 1 | 220 - 240 / 50 & 60 / 1 | 220 - 240 / 50 & 60 / 1 |
| Capacity | Cooling | Btu / h | | 42000 (9800-46000) | 48000 (16241-56298) | 55000 (16241-59710) |
| | | KW | | 12,1 (2,9-13,5) | 14,00 (4,76-16,5) | 16,00 (4,76-17,5) |
| | Heating | Btu / h | | 46000 (8800-51100) | 55000 (16309-55104) | 58000 (16308-63122) |
| | | KW | | 13,5 (2,6-15) | 16,00 (4,78-16,15) | 17,00 (4,78-18,50) |
| Electrical Data | Rated Cooling Power | KW | | 4,5 (0,71-5,1) | 5,20 (1,71-6,7) | 6,10 (1,71-6,8) |
| | Rated Heating Power | KW | | 4,6 (0,47-5,29) | 5,40 (1,71-6,8) | 5,80 (1,71-7,1) |
| | Rated Cooling Current | A | | 19,5 (3,2-22,3) | 9,00 (1,50-15,00) | 10,50 (1,50-15,00) |
| | Rated Heating Current | A | | 20 (2,43-23,0) | 10,00 (1,50-15,00) | 11,00 (1,50-15,00) |
| Efficiency | EER / COP | W / W | | 2,69 / 2,93 | 2,69 / 2,96 | 2,62 / 2,93 |
| | SEER / SCOP | W / W | | 6,1 / 4,0 | 6,1 / 4,0 | 6,1 / 4,0 |
| Internal Fan | Model | | | XD100B-ZL 310V | XD100B-ZL 310V | XD100B-ZL 310V |
| | Brand | | | Panasonic | Panasonic | Panasonic |
| | Output Power x Fan Quantity | W | | 100 | 100 | 100 |
| | Density | uF | | / | / | / |
| | Speed (Hi / Mi / Lo) | r / min | | 780 / 700 / 650 | 780 / 700 / 650 | 780 / 700 / 650 |
| Internal Coil | Number of Rows | | | 3 | 3 | 3 |
| | Tube Pitch x Row Pitch | mm | | 20,5 x 12,7 | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Spacing | mm | | 1,5 | 1,5 | 1,5 |
| | Fin Material | | | Hydrophilic aluminum fin | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | Outer Diameter & Tube Material | mm | | φ7, Inner grooved | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (L x H x W) | mm | | 2012 x 246 x 38,1 | 2012 x 246 x 38,1 | 2012 x 246 x 38,1 |
| | Number of Circuits | / | | 6 | 6 | 6 |
| Internal Unit | Internal Air Flow (Hi / Mi / Lo) | m ³ /h | | 2000 / 1700 / 1600 | 2000 / 1700 / 1600 | 2000 / 1700 / 1600 |
| | | CFM | | 1176 / 1000 / 941 | 1176 / 1000 / 941 | 1176 / 1000 / 941 |
| | Noise Level | dB (A) | | 54 / 52 / 48 | 54 / 52 / 48 | 54 / 52 / 48 |
| | Actual Dimension (W x D x H) | dB (A) | | 64 | 64 | 65 |
| | Packaging Dimension (W x D x H) | mm | | 840 x 840 x 288 | 840 x 840 x 288 | 840 x 840 x 288 |
| | Net Weight | mm | | 910 x 910 x 350 | 910 x 910 x 350 | 910 x 910 x 350 |
| | Gross Weight | Kg | | 30 | 30 | 30 |
| | Gross Weight | Kg | | 35 | 35 | 35 |
| Panel | Actual Dimension (W x D x H) | mm | | 950 x 950 x 55 | 950 x 950 x 55 | 950 x 950 x 55 |
| | Packaging Dimension (W x D x H) | mm | | 1000 x 1000 x 100 | 1000 x 1000 x 100 | 1000 x 1000 x 100 |
| | Net Weight | Kg | | 5,3 | 5,3 | 5,3 |
| | Gross Weight | Kg | | 7,8 | 7,8 | 7,8 |
| Cooling Pipelines | Liquid Line | mm (inch) | | 9,52 (3/8) | 9,52 (3/8) | 9,52 (3/8) |
| | Gas Line | mm (inch) | | 15,88 (5/8) | 19,05 (3/4) | 19,05 (3/4) |
| | Drain | mm | | R3/4in (DN20) | R3/4in (DN20) | R3/4in (DN20) |

The company reserves the right to change the technical characteristics without notice.

Floor - ceiling air conditioning units multi split



| Model | Internal Unit | | SCFU - 18DAUA-F | SCFU - 24DAUA-F | SCFU - 36DAUA-F | |
|-------------------|----------------------------------|--------------------|-----------------------|--------------------------|--------------------------|--------------------------|
| | External Unit | | SOU - 18UAU1 | SOU - 24UAU1 | SOU - 36UAU1 | |
| Power Supply | | V~, Hz, Ph | 220 - 240 / 50-60 / 1 | 220 - 240 / 50 & 60 / 1 | 220 - 240 / 50 & 60 / 1 | |
| Capacity | Cooling | Btu / h | 18000 (5500-20500) | 24000 (7400-28000) | 36000 (9900-44400) | |
| | | Heating | 5,3 (1,60-6,00) | 7,03 (2,16-8,20) | 10,55 (2,90-13,00) | |
| | Heating | Btu / h | 19450 (4800-24600) | 26000 (6800-31700) | 38000 (8900-46000) | |
| | | KW | 5,7 (1,40-7,20) | 7,62 (1,98-9,30) | 11,15 (2,60-13,50) | |
| Electrical Data | Rated Cooling Power | | W | 1660 (480-2300) | 2200 (670-3560) | 3400 (710-4710) |
| | Rated Heating Power | | W | 1540 (470-2400) | 2170 (650-3620) | 3450 (470-4130) |
| | Rated Cooling Current | | A | 7,22 (2,30-10,30) | 9,57 (3,21-15,63) | 15,00 (3,20-21,5) |
| | Rated Heating Current | | A | 6,7 (2,30-10,50) | 9,42 (3,11-15,90) | 15,5 (2,43-18,00) |
| Efficiency | EER / COP | | W / W | 3,19 / 3,70 | 3,20 / 3,51 | 3,10 / 3,23 |
| | SEER / SCOP | | W / W | 6,1 / 4,0 | 6,2 / 4,0 | 6,1 / 4,0 |
| Internal Fan | Model | | | FP40D-ZL 310V | FP70D-ZL 310V | FP120D-ZL 310V |
| | Brand | | | Wolong | Wolong | Wolong |
| | Output Power x Quantity of Fan | | W | 40 | 70 | 120 |
| | Density | | uF | / | / | / |
| | Speed (Hi / Mi / Lo) | | r / min | 950/790/ 690 | 1000/860/760 | 1250/1080/ 900 |
| Internal Coil | Number of Rows | | | 3 | 3 | 3 |
| | Tube Pitch x Row Pitch | | mm | 20,5 x 12,7 | 20,5 x 12,7 | 20,5 x 12,7 |
| | Fin Spacing | | mm | 1,5 | 1,5 | 1,5 |
| | Fin Material | | | Hydrophilic aluminum fin | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | Outer Diameter & Tube Material | | mm | φ7, Inner grooved | φ7, Inner grooved | φ7, Inner grooved |
| | Coil Size (W x D x H) | | mm | 691 x 307 x 38,1 | 971 x 307 x 38,1 | 1291 x 307 x 38,1 |
| | Number of Circuits | | / | 4 | 5 | 7 |
| Internal Unit | Internal Air Flow (Hi / Mi / Lo) | m ³ / h | 900 / 720 / 600 | 1230 / 1020 / 840 | 1650 / 1500 / 1300 | |
| | | Noise | 530 / 420 / 350 | 724 / 600 / 494 | 971 / 882 / 765 | |
| | Noise Level (Hi / Mi / Lo) | | dB (A) | 40 / 35 / 33 | 42 / 38 / 35 | 47 / 44 / 42 |
| | Noise Level | | dB (A) | 51 | 52 | 63 |
| | Actual Dimension (W x D x H) | | mm | 1000 x 690 x 235 | 1280 x 690 x 235 | 1600 x 690 x 235 |
| | Packaging Dimension (W x D x H) | | mm | 1080 x 770 x 325 | 1360 x 770 x 325 | 1680 x 770 x 325 |
| | Net Weight | | Kg | 28 | 34 | 41 |
| | Gross Weight | | Kg | 32,5 | 39,5 | 48,0 |
| Cooling Pipelines | Liquid Line | | mm (inch) | 6,35 (1/4) | 9,52 (3/8) | 9,52 (3/8) |
| | Gas Line | | mm (inch) | 12,7 (1/2) | 15,88 (5/8) | 15,88 (5/8) |
| | Drain | | mm | R3/4in (DN20) | R3/4in (DN20) | R3/4in (DN20) |

The company reserves the right to change the technical characteristics without notice.

Floor - ceiling air conditioning units multi split



| Model | | Internal Unit | SCFU - 36DAUA | SCFU - 48DAUA | SCFU - 60DAUA |
|-------------------|----------------------------------|--------------------|--------------------------|--------------------------|--------------------------|
| | | External Unit | SOU-36UAU1 | SOU-42UAU1 | SOU-60UAU1 |
| Power Supply | | V~, Hz, Ph | 220 - 240 / 50-60 / 1 | 220 - 240 / 50 & 60 / 1 | 220 - 240 / 50 & 60 / 1 |
| Capacity | Cooling | Btu / h | 36000 (9800 - 44300) | 48000 (16241 - 56298) | 55000 (16241 - 59710) |
| | | KW | 10,55 (2,9 - 13) | 14,00 (4,76 - 16,50) | 16,00 (4,76 - 17,5) |
| | Heating | Btu / h | 38000 (8800 - 46000) | 55000 (16309-55104) | 58000 (16308 - 63122) |
| | | KW | 11,15 (2,6 - 13,5) | 16,00 (4,78 - 16,15) | 17,00 (4,78 - 18,50) |
| Electrical Data | Rated Cooling Power | W | 3,4 (0,71 - 4,71) | 5,3 (1,71 - 6,7) | 6,11 (1,71 - 6,8) |
| | Rated Heating Power | W | 3,45 (0,47 - 4,13) | 5,5 (1,71 - 6,8) | 5,90 (1,71 - 7,1) |
| | Rated Cooling Current | A | 15 (3,2 - 21,5) | 9,00 (1,50-15,00) | 10,50 (1,50-15,00) |
| | Rated Heating Current | A | 15,5 (2,43 - 18) | 10,00 (1,50-15,00) | 11,00 (1,50-15,00) |
| Efficiency | EER / COP | W / W | 3,10 / 3,23 | 2,64 / 2,91 | 2,62 / 2,88 |
| | SEER / SCOP | W / W | 6,1 / 4,0 | 6,1 / 4,0 | 6,1 / 4,0 |
| Internal Fan | Model | | FP110A - ZL | FP110A - ZL | FP110A - ZL |
| | Brand | | Panasonic | Panasonic | Panasonic |
| | Output Power x Quantity of Fan | W | 110 x 1 | 110 x 1 | 110 x 1 |
| | Density | uF | / | / | / |
| | Speed (Hi / Mi / Lo) | r / min | 1350 / 1250 / 1100 | 1350 / 1250 / 1100 | 1350 / 1250 / 1100 |
| Internal Coil | Number of Rows | | 3 | 3 | 3 |
| | Tube Pitch x Row Pitch | mm | 22 x 19,05 | 22 x 19,05 | 22 x 19,05 |
| | Fin Spacing | mm | 1,6 | 1,6 | 1,6 |
| | Fin Material | | Hydrophilic aluminum fin | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | Outer Diameter & Tube Material | mm | φ7.94, Inner grooved | φ7.94, Inner grooved | φ7.94, Inner grooved |
| | Coil Size (W x D x H) | mm | 1300 x 242 x 57,15 | 1300 x 242 x 57,15 | 1300 x 242 x 57,15 |
| | Number of Circuits | / | 6 | 6 | 6 |
| Internal Unit | Internal Air Flow (Hi / Mi / Lo) | m ³ / h | 1800 / 1550 / 1350 | 1900 / 1600 / 1400 | 1900 / 1600 / 1400 |
| | | CFM | 1059 / 912 / 794 | 1118 / 941 / 824 | 1118 / 941 / 824 |
| | Noise Level (Hi / Mi / Lo) | dB (A) | 53 / 50 / 47 | 53 / 51 / 49 | 53 / 51 / 49 |
| | Noise Level | dB (A) | 63 | 64 | 64 |
| | Actual Dimension (W x D x H) | mm | 1631 x 660 x 205 | 1631 x 660 x 205 | 1631 x 660 x 205 |
| | Packaging Dimension (W x D x H) | mm | 1710 x 720 x 290 | 1710 x 720 x 290 | 1710 x 720 x 290 |
| | Net Weight | Kg | 44 | 44 | 44 |
| | Gross Weight | Kg | 50 | 50 | 50 |
| Cooling Pipelines | Liquid Line | mm (inch) | 9,52 (3/8) | 9,52 (3/8) | 9,52 (3/8) |
| | Gas Line | mm (inch) | 15,88 (5/8) | 19,05 (3/4) | 19,05 (3/4) |
| | Drain | mm | R3 / 4in (DN20) | R3 / 4in (DN20) | R3 / 4in (DN20) |

The company reserves the right to change the technical characteristics without notice.



| Model | Internal Unit | | SCU -12CO | SCU -18CO |
|--------------------|----------------------------------|--------------------|--------------------------|--------------------------|
| | External Unit | | SOU -12UAU1 | SOU -18UAU1 |
| Power Supply | | V~, Hz, Ph | 220-240/50&60/1 | 220-240/50&60/1 |
| Capacity | Cooling | Btu / h | 12000(4600-15000) | 16036(5200-19100) |
| | | KW | 3.50(1.35-4.40) | 4.70(1.53-5.60) |
| | Heating | Btu / h | 12000 (4200-18100) | 17060(4800-21200) |
| | | KW | 3.50(1.24-5.30) | 5.00(1.40-6.20) |
| Electrical Data | Rated Cooling Power | KW | 1.03(0.26~1.60) | 1.45(0.47~2.30) |
| | Rated Heating Power | KW | 0.94(0.19~1.51) | 1.34(0.46~2.25) |
| | Rated Cooling Current | A | 4.48(1.13~6.96) | 6.30(2.04~10.00) |
| | Rated Heating Current | A | 4.09(0.83~6.57) | 5.83(2.00~9.78) |
| Efficiency | EER / COP | W / W | 3.40/3.72 | 3.24/3.73 |
| | SEER / SCOP | W/W | 6.1/4.0 | 6.1/4.0 |
| Internal Fan | Model | | RD35HA | RD35HA |
| | Brand | | wolong | wolong |
| | Output Power x Quantity of Fan | W | 35 | 35 |
| | Density | uF | / | / |
| | Speed (Hi / Mi / Lo) | r / min | 650/590/550/480 | 690/610/550/480 |
| Internal Coil | Number of Rows | | 2 | 2 |
| | Tube Pitch x Row Pitch | mm | 21*13.37 | 21*13.37 |
| | Fin Spacing | mm | 1.4 | 1.4 |
| | Fin Material | | Hydrophilic aluminum fin | Hydrophilic aluminum fin |
| | Outer Diameter & Tube Material | mm | Φ7,Inner grooved | Φ7,Inner grooved |
| | Coil Size (W x D x H) | mm | 515*399*26.74 | 515*399*26.74 |
| | Number of Circuits | / | 2 | 2 |
| Internal Unit | Internal Air Flow (Hi / Mi / Lo) | m ³ / h | 600/530/430 | 650/550/450 |
| | | CFM | 353/312/253 | 382/324/265 |
| | Noise Level (Hi / Mi / Lo) | dB (A) | 42/39/36 | 44/40/37 |
| | Noise Level | dB (A) | 52 | 56 |
| | Actual Dimension (W x D x H) | mm | 700×225×600 | 700×225×600 |
| | Packaging Dimension (W x D x H) | mm | 780×300×675 | 780×300×675 |
| | Net Weight | Kg | 15 | 15 |
| Gross Weight | Kg | 19 | 19 | |
| Cooling Pipe-lines | Liquid Line | mm | 6.35(1/4) | 6.35(1/4) |
| | Gas Line | mm | 12.7(1/2) | 12.7(1/2) |
| | Drain | mm | R3/4in(DN20) | R3/4in(DN20) |

The company reserves the right to change the technical characteristics without notice.

Heat Pumps



| Model | | | SHP-08HXP1 | SHP-13HXP1 | SHP-13HXP3 | SHP-18HXP3 | SHP-23HXP3 |
|------------------------------------|---------------------|-------------------|------------------|---------------|---------------|------------------|---------------|
| Heating | Heating Power Range | kW | 1.57~8.40 | 4.40~13.00 | 4.40~13.00 | 5.9~18.2 | 7.5~23.0 |
| | Heating Input Range | kW | 0.32~1.87 | 0.90~3.02 | 0.90~3.02 | 1.20~4.11 | 1.53~5.23 |
| | Current Range | A | 1.42~8.30 | 4.12~13.8 | 1.39~4.68 | 1.86~6.37 | 2.37~8.11 |
| | COP Range | | 4.49~4.91 | 4.30~4.90 | 4.30~4.90 | 4.43~4.92 | 4.40~4.90 |
| Cooling | Heating Power Range | kW | 0.99~6.22 | 2.80~8.20 | 2.80~8.20 | 3.81~11.53 | 4.73~14.6 |
| | Heating Input Range | kW | 0.29~2.18 | 0.85~3.31 | 0.85~3.31 | 1.11~4.05 | 1.39~5.14 |
| | Current Range | A | 1.28~9.67 | 3.89~15.1 | 1.32~5.13 | 1.72~6.28 | 2.16~7.97 |
| | COP Range | | 2.85~3.41 | 2.48~3.29 | 2.48~3.29 | 2.85~3.43 | 2.84~3.40 |
| DHW | Thermal Power Range | kW | 1.28~6.81 | 3.52~10.50 | 3.52~10.50 | 4.80~14.72 | 6.1~18.5 |
| | Heating Input Range | kW | 0.31~2.13 | 0.88~3.39 | 0.88~3.39 | 1.17~4.60 | 1.53~5.97 |
| | Current Range | A | 1.38~9.45 | 4.03~15.5 | 1.36~5.26 | 1.82~7.15 | 2.37~9.26 |
| | COP Range | | 3.2~4.1 | 3.1~4.0 | 3.1~4.0 | 3.2~4.1 | 3.1~4.0 |
| Electric Power Supply | | | 230V/1Ph/50-60Hz | | | 380V/3Ph/50-60Hz | |
| Operating Ambient Temperature | | | -30~43°C | | | | |
| Refrigerant Fluid / Quantity | | | R32/1.3kg | R32/1.6kg | R32 / 1.6kg | R32/2.7kg | R32/2.7kg |
| Compressor Brand | | | Panasonic | | | | |
| IP Rating (Protection Level) | | | IPX4 | IPX4 | IPX4 | IPX4 | IPX4 |
| Electric Shock Protection Rate | | | I | I | I | I | I |
| Noise | | (dB(A)) | ≤53 | ≤55 | ≤55 | ≤57 | ≤58 |
| Water Pressure Drop | | kPa | 31 | 25 | 25 | 35 | 45 |
| Water Circulation | | m ³ /H | 1.4 | 2.2 | 2.2 | 3.1 | 4.0 |
| Pipe Diameter | | mm | DN25 | DN25 | DN25 | DN25 | DN25 |
| Unit Size (W x D x H) | | mm | 970×475×835 | 1100×475×985 | 1100×475×985 | 1050×480×1330 | 1050×480×1330 |
| Package Size (W x D x H) (Plywood) | | mm | 1048×520×974 | 1140×515×1110 | 1140×515×1110 | 1120×530×1470 | 1050×480×1330 |
| Package Size (W x D x H) (Carton) | | mm | 1028×520×974 | 1120×515×1108 | 1120×515×1108 | 1100×530×1470 | 1100×530×1470 |
| Net Weight / Gross Weight | | kg | 110/120 | 140/150 | 140/150 | 170/180 | 180/190 |

The company reserves the right to change the technical characteristics without notice.

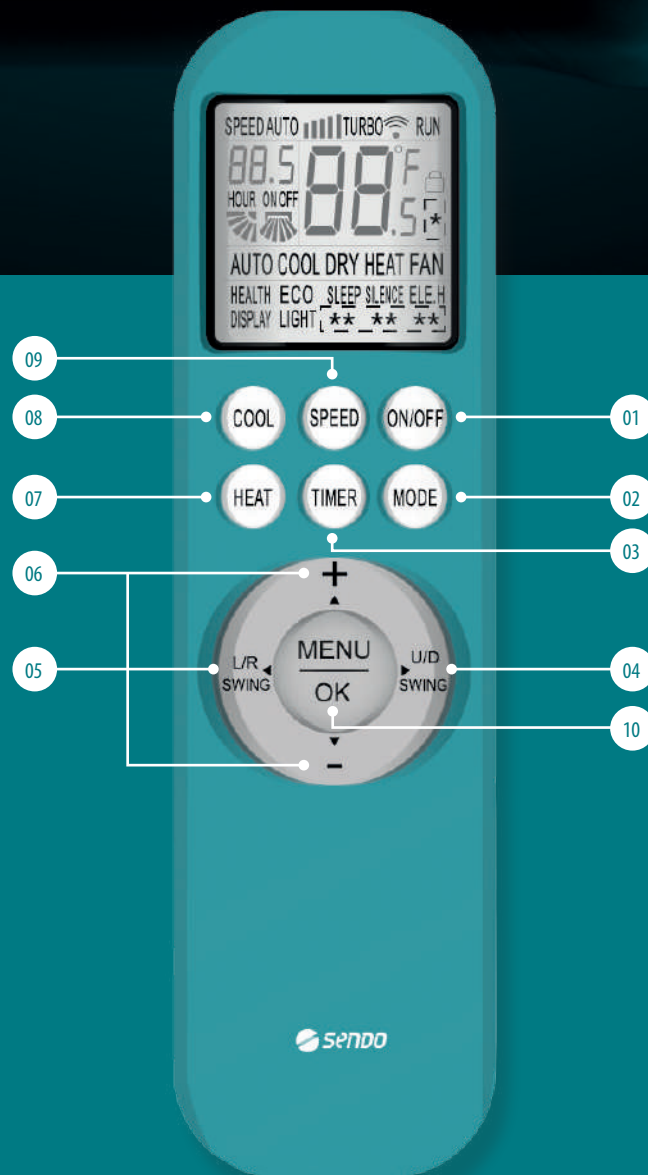
Heat Pumps

HERO X_S



| Model | | | SHP-08HXSP1 | SHP-12HXSP1 | SHP-15HXSP1 | SHP-15HXSP3 | SHP-22HXSP3 |
|-------------------------------|------------------------|---------------------------|------------------|-------------------|-------------------|-------------------|-------------|
| Heating | Thermal Power Range | kW | 3.3 ~ 8.3 | 4.5 ~ 11.4 | 5.9 ~ 14.8 | 5.9 ~ 14.8 | 8.8 ~ 22.0 |
| | Heating Input Range | kW | 0.64 ~ 2.18 | 0.85 ~ 2.95 | 1.13 ~ 3.83 | 1.13 ~ 3.83 | 1.68 ~ 5.77 |
| | COP Range | | 3.81 ~ 5.17 | 3.81 ~ 5.17 | 3.86 ~ 5.22 | 3.86 ~ 5.22 | 3.81 ~ 5.24 |
| Cooling | Cooling Capacity Range | kW | 2.4 ~ 5.8 | 3.3 ~ 8.2 | 4.3 ~ 10.8 | 4.3 ~ 10.8 | 6.2~15.3 |
| | Cooling Input Power | kW | 0.79 ~ 2.19 | 1.08 ~ 3.07 | 1.39 ~ 3.99 | 1.39 ~ 3.99 | 1.99~5.60 |
| | EER Range | | 2.65 ~ 3.04 | 2.67 ~ 3.06 | 2.71 ~ 3.10 | 2.71 ~ 3.10 | 2.73~3.12 |
| | ErP Level (35°C) | | A+++ | A+++ | A+++ | A+++ | A+++ |
| DHW | Thermal Power Range | kW | 3.7 ~ 7.4 | 5.2 ~ 10.2 | 6.6 ~ 13.2 | 6.6 ~ 13.2 | 7.8 ~ 17.6 |
| | Heating Input Range | kW | 0.79 ~ 2.10 | 1.10 ~ 2.87 | 1.41 ~ 3.73 | 1.41 ~ 3.73 | 7.8 ~ 17.6 |
| | COP Range | | 3.52 ~ 4.69 | 3.55 ~ 4.71 | 3.54 ~ 4.67 | 3.54 ~ 4.67 | 3.51 ~ 4.66 |
| Electric Power Supply | | 230V/1Ph/50Hz/60Hz | | | | 380V/3Ph/50-60Hz | |
| Operating Ambient Temperature | | -25 ~ 43°C | | | | | |
| Refrigerant Fluid | | R290 | | | | | |
| Noise | (dB(A)) | ≤47 | ≤ 50 | ≤ 52 | ≤ 50 | ≤ 52 | |
| Water Pressure Drop | kPa | 30 | 35 | 40 | 35 | 40 | |
| Water Circulation | m ³ /H | 1,5 | 2,2 | 3,2 | 2,2 | 3,2 | |
| Maximum Water Head | m | 9 | 9 | 9 | 9 | 9 | |
| Pipe Diameter | mm | DNS25 | | | | | |
| Net Dimension (WDH) | mm | 1080 x 460 x 820 | 1080 x 460 x 960 | 1080 x 480 x 1060 | 1080 x 480 x 1060 | 1080 x 480 x 1372 | |
| Net Weight | kg | 105 | 115 | 160 | 160 | 166 | |
| Operating Water Temperature | °C | 20 ~ 75 °C (DWH) | | | | | |
| Operating Water Temperature | °C | 20 ~ 75 °C (max) Θέρμανση | | | | | |
| Operating Water Temperature | °C | 7 ~ 35 °C (max) Ψύξη | | | | | |

▶ WIRELESS REMOTE CONTROLLER





01. ON/OFF
Air conditioner activation
& deactivation.



04. U/D SWING
Moving upstream
and downstream air.



07. HEAT
Heating mode
selection.



02. MODE
Operating mode
selection.



05. L/R SWING
Moving airflow
left and right.



08. COOL
Cooling mode
selection.



03. TIMER
Start / end
timer.



06. + & -
Toggle temperature
range by 1°C.



09. SPEED
Fan volume
adjustment.



10. MENU & OK
Additional
functions menu



TURBO



SLEEP



ECO



iCLEAN





www.sendo.world