



***sendo***

FEELING COOL

FLOORSTANDING AIR CONDITIONING







▶ **LIGHT COMMERCIAL  
AIR CONDITIONING**

**FLOOR STANDING CABINETS**

---

HESTIA *pg. 06*

---

ARTEMIS *pg. 08*

---

ATHENA *pg. 10*



# HESTIA

FLOOR STANDING



48.000 BTU



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 780m<sup>3</sup> (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

ENDURANCE  
THAT MAKES  
YOU CHAMPION



Table of technical  
characteristics  
pg. 14-15

LIGHT COMMERCIAL / FLOOR STANDING CABINETS / HESTIA

# 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 780m<sup>3</sup> (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. 16-17

LIGHT COMMERCIAL / FLOOR STANDING CABINETS / ARTEMIS

# ATHENA

FLOOR STANDING



60.000 BTU



B

A

S

I

C

M

O

D

E

S



Αυτοδιάγνωση  
βλαβών



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. 18

LIGHT COMMERCIAL / FLOOR STANDING CABINETS / ATHENA

▶ TABLES  
OF TECHNICAL  
CHARACTERISTICS





 SENDO

| Model               |                          |                     |             | SFSU - 48 HST - ID / OD |
|---------------------|--------------------------|---------------------|-------------|-------------------------|
| Electric parameter  | Power supply             | Indoor              | V / ph / Hz | 220 ~ 240 - 1 - 50      |
|                     | Power supply             | Outdoor             | V / ph / Hz | 380 ~ 415 - 3 - 50      |
|                     | Input consumption        | Max.                | W           | 6400                    |
|                     | Input current            | Max.                | A           | 11,6                    |
| Seasonal efficiency | Cooling                  | Cooling performance | kW          | 12,3                    |
|                     |                          | SEER                | W/W         | 6,11                    |
|                     | Heating (Average season) | Heating performance | kW          | 9,5                     |
|                     |                          | SCOP                | W/W         | 3,72                    |
|                     |                          | Tbiv                | °C          | -7                      |
|                     |                          | Toi                 | °C          | -10                     |
| Cooling             | Capacity                 | Rated               | kW          | 12,3                    |
|                     |                          | Range (Min ~ Max)   | kW          | 3300 ~ 13200            |
|                     | Input                    | Rated               | kW          | 4,40                    |
|                     | Current                  | Rated               | A           | 7,5                     |
|                     | EER                      | Rated               | kW          | 2,80                    |
| Heating             | Capacity                 | Rated               | kW          | 14                      |
|                     |                          | Range (Min ~ Max)   | kW          | 3000 ~ 14600            |
|                     | Input                    | Rated               | kW          | 4,17                    |
|                     | Current                  | Rated               | A           | 7,3                     |
|                     | EER                      | Rated               | kW          | 3,36                    |
| Compressor          | Type                     |                     | -           | ROTARY                  |
|                     | Brand                    |                     | -           | GMCC                    |
|                     | Capacity                 |                     | Btu / h     | 34154                   |
|                     | Input                    |                     | W           | 2765                    |
|                     | Rated current (RLA)      |                     | A           | 5,38                    |
|                     | Refrigerant oil          | Model               | -           | POEVG74                 |
|                     |                          | Amount              | ml          | 1000                    |



| Model                       |  |                     |                    | SFSU - 48 HST - ID / OD        |          |
|-----------------------------|--|---------------------|--------------------|--------------------------------|----------|
| Indoor unit                 | Dimension                              | W x D x H           | mm                 | 580 x 1870 x 380               |          |
|                             | Packing                                | W x D x H           | mm                 | 690 x 2000 x 480               |          |
|                             | Weight                                 | Net / Gross         | kg                 | 52 / 63                        |          |
|                             | Air volume                             | Hi / Med / Lo       | m <sup>3</sup> / h | 1750 / 1500 / 1300             |          |
|                             |  | Hi / Med / Lo       | CFM                | 1029 / 882 / 765               |          |
|                             | Sound level (SPL)                      | Hi / Med / Lo       | dB (A)             | 52 / 46 / 44                   |          |
|                             | Sound level (PWL)                      | Hi                  | dB (A)             | 64                             |          |
|                             | External static pressure               | Rated               | Pa                 | -                              |          |
|                             |  | Range               | Pa                 | -                              |          |
|                             | Controller                             | Type                | -                  | Remote control                 |          |
|                             |  | Model               | -                  | J1 - 06 (E)                    |          |
|                             | Drainage water pipe diameter           |                     |                    | mm                             | dØ18     |
|                             | Drain pump                             |                     |                    | -                              | Standard |
|                             | Air filter                             |                     |                    | -                              | Standard |
| Qty' per 20' / 40' / 40' HQ |  |                     | -                  | 32 / 68 / 85                   |          |
| Design pressure             | H / L                                  | MPa                 | 4,3 / 1,6          |                                |          |
| Outdoor unit                | Dimension                              | W x D x H           | mm                 | 950 x 1050 x 340               |          |
|                             | Packing                                | W x D x H           | mm                 | 1110 x 460 x 1200              |          |
|                             | Weight                                 | Net / Gross         | kg                 | 85,0 / 97,00                   |          |
|                             | Air volume                             | Hi                  | m <sup>3</sup> / h | 5800                           |          |
|                             | Sound level (SPL)                      | Hi                  | dB (A)             | 62                             |          |
|                             | Sound level (PWL)                      | Hi                  | dB (A)             | 76                             |          |
|                             | Refrigerant                            | Type                | -                  | R32                            |          |
|                             |  | Amount              | kg                 | 2,50                           |          |
|                             |  | TCO <sub>2</sub> Eq | -                  | 1,688                          |          |
|                             |  | GWP                 | -                  | 675                            |          |
|                             | Throttle type                          |                     |                    | -                              | EEV      |
| Qty' per 20' / 40' / 40' HQ |  |                     | -                  | 26 / 53 / 106                  |          |
| Design pressure             | H / L                                  | MPa                 | 4,3 / 1,6          |                                |          |
| Refrigerant piping          | Liquid / gas                           |                     | mm (inch)          | Ø 9,52 / Ø 19,05 (3/8' / 3/4') |          |
|                             | Pipe length                            | Max.                | m                  | 50                             |          |
|                             | Height difference                      | Max. (OD lower)     | m                  | 30                             |          |
|                             |  | Max. (OD higher)    | m                  | 30                             |          |
|                             | Add refrigerant amount                 |                     |                    | g / m                          | 28       |
|                             | Pipe length for additional refrigerant |                     |                    | m                              | 5        |
| Ambient temperature range   | Cooling                                |                     | °C                 | -15~48                         |          |
|                             | Heating                                |                     | °C                 | -15~24                         |          |



| Model                                   |   | SFSU - 55 DMA - ART |                       |
|---|---|---------------------|-----------------------|
| <b>Power supply</b>                     |   | <b>Ph - V - Hz</b>  | 380 - 415V, 3Ph, 50Hz |
| <b>Rated cooling</b>                    | <b>Capacity</b>   | <b>Btu / h</b>      | 51000 (18000 ~ 57000) |
| <b>Rated cooling</b>                    | <b>Capacity</b>   | <b>kW</b>           | 14,95 (5,28 ~ 16,71)  |
| <b>Cooling power input</b>              |   | <b>W</b>            | 4965 (1147 ~ 6682)    |
| <b>Cooling current</b>                  |   | <b>A</b>            | 8,07(1,8 ~ 11,6)      |
| <b>EER</b>                              |   | <b>W / W</b>        | 3,01 / A              |
| <b>Rated heating</b>                    | <b>Capacity</b>   | <b>Btu / h</b>      | 60000 (15000 ~ 66000) |
| <b>Rated heating</b>                    | <b>Capacity</b>   | <b>kW</b>           | 17,58 (4,4 ~ 19,34)   |
| <b>Heating power input</b>              |   | <b>W</b>            | 5156 (1022 ~ 6448)    |
| <b>Heating current</b>                  |   | <b>A</b>            | 8,46 (1,6 ~ 11,2)     |
| <b>COP</b>                              |   | <b>W / W</b>        | 3,41 / A              |
| <b>Seasonal cooling</b>                 | <b>Pdesignc</b>   | <b>kW</b>           | 14,7                  |
|   | <b>SEER</b>   | <b>W / W</b>        | 6,1                   |
|   | <b>Seasonal space cooling energy eff. (<math>\eta_{s,c}</math>)</b> | <b>%</b>            | 241                   |
| <b>Heating (average)</b>                | <b>Pdesignh</b>   | <b>kW</b>           | 11,0                  |
|   | <b>SCOP</b>   | <b>W / W</b>        | 4,0                   |
|   | <b>Seasonal space heating energy eff. (<math>\eta_{s,h}</math>)</b> | <b>%</b>            | 157                   |
|   | <b>Tbiv</b>   | <b>°C</b>           | -7                    |
| <b>Tol</b>                              |   | <b>°C</b>           | -15                   |
| <b>Moisture removal</b>                 |   | <b>L / h</b>        | 5,3                   |
| <b>Max input consumption</b>            |   | <b>W</b>            | 6200                  |
| <b>Max. current</b>                     |   | <b>A</b>            | 11,2                  |
| <b>Compressor</b>                       | <b>Type</b>   |                     | ROTARY                |
|   | <b>Brand</b>  |                     | GMCC                  |
|   | <b>Capacity</b>   | <b>Btu / h</b>      | 46744                 |
|   | <b>Input</b>  | <b>W</b>            | 3700                  |
|   | <b>Rated current (RLA)</b>  | <b>A</b>            | 7,02                  |
|   | <b>Thermal protector position</b>                                   |                     | External              |
|   | <b>Refrigerant oil / oil charge</b>                                 | <b>ml</b>           | VG74 / 1400           |
| <b>Outdoor fan motor</b>                | <b>Output</b>   | <b>W</b>            | 210                   |
|   | <b>Speed (Hi / Mi / Lo)</b>   | <b>r / min</b>      | 540 / 500 / 460       |
| <b>Indoor air flow (Hi / Mi / Lo)</b>   |   | <b>m³ / h</b>       | 2413 / 2222 / 2027    |
| <b>Indoor sound pressure level (Hi)</b> |   | <b>dB (A)</b>       | 65                    |





| Model                        |                                   |                    | SFSU - 55 DMA - ART               |
|------------------------------|-----------------------------------|--------------------|-----------------------------------|
| Indoor unit                  | Net dimension (W x D x H)         | mm                 | 629 x 456 x 1935                  |
|                              | Packing dimension (W x D x H)     | mm                 | 750 x 575 x 2055                  |
|                              | Net / gross weight                | Kg                 | 58,3 / 77,8                       |
| Indoor coil                  | a. Number of rows                 |                    | 3                                 |
|                              | b. Tube pitch (a) x row pitch (b) | mm                 | 25,4 x 22                         |
|                              | c. Fin spacing                    | mm                 | 1,5                               |
|                              | d. Fin type (code)                |                    | Hydrophilic aluminium             |
|                              | e. Tube outside dia 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                                 |
| Outdoor fan motor            | Model                             |                    | ZFKN - 85 - 8 - 22                |
|                              | Quantity                          |                    | 2                                 |
|                              | Input                             | W                  | 126                               |
|                              | Capacitor                         | uF                 | -                                 |
|                              | Speed                             | r / min            | 850                               |
| Outdoor coil                 | a. Number of rows                 |                    | 1,6                               |
|                              | b. Tube pitch (a) x row pitch (b) | mm                 | 25,4 x 22                         |
|                              | c. Fin spacing                    | mm                 | 1,4                               |
|                              | d. Fin type (code)                |                    | Hydrophilic aluminium             |
|                              | e. Tube outside dia 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             |                    | 8                                 |
| Outdoor air flow             |                                   | m <sup>3</sup> / h | 7500                              |
| Outdoor sound pressure level |                                   | dB (A)             | 69                                |
| Outdoor unit                 | Net dimension (W * D * H)         | mm                 | 952 x 415 x 1333                  |
|                              | Packing dimension (W * D * H)     | mm                 | 1095 x 495 x 1480                 |
|                              | Net / gross weight                | Kg                 | 106,7 / 119,9                     |
| Refrigerant                  | Type                              |                    | R32                               |
|                              | GWP                               |                    | 675                               |
|                              | Charged quantity                  | Kg                 | 2,8                               |
| Design pressure              |                                   | MPa                | 4,3 / 1,7                         |
| Piping size                  | Liquid side / Gas side            | mm (inch)          | Ø 9,52 / Ø 15,9 (3/8", 5/8")      |
|                              | Max. refrigerant pipe length      | m                  | 65                                |
|                              | Max. difference in level          | m                  | 30                                |
| Wiring                       | Power cord                        | mm <sup>2</sup>    | 5 x 2,5                           |
|                              | Communication cable               | mm <sup>2</sup>    | 3 x 2,5 και 3 x 1,5               |
| Thermostat type              |                                   |                    | Remote Control                    |
| Operation temperature        | Indoor (cooling / heating)        | °C                 | 17 ~ 32 / 0 ~ 30                  |
|                              | Outdoor (cooling / heating)       | °C                 | -15 ~ 50 / -25 ~ 30               |
| Application area             | Minimum                           | m <sup>2</sup>     | -15 ~ 50                          |
|                              | Maximum                           | m <sup>2</sup>     | -15 ~ 24                          |

# ATHENA

floor standing cabinets



| Model (indoor / outdoor unit) |                               | SFSU - 60DAUATH - ID / OD |                      |
|-------------------------------|-------------------------------|---------------------------|----------------------|
| Rated capacity                | Cooling                       | Btu / h                   | 58000                |
|                               |                               | kW                        | 17                   |
|                               | Heating                       | Btu / h                   | 60000                |
|                               |                               | kW                        | 17,5                 |
| Electric data                 | Power supply                  | V~, Hz, Ph                | 380 ~ 415 - 3 - 50Hz |
|                               | Cooling power input           | W                         | 6800                 |
|                               | Heating power input           | W                         | 6900                 |
|                               | Cooling rated running current | A                         | 12,2                 |
|                               | Heating rated running current | A                         | 12,7                 |
|                               | Max. input power              | W                         | 7400                 |
|                               | Max. input current            | A                         | 14                   |
|                               | EER cooling                   | W / W                     | 2,5 / A              |
|                               | COP heating                   |                           | 2,62 / A             |
| Compressor                    | Model                         |                           | C-SBP185H38A         |
| Performance                   | Max. discharge pressure       | Mpa                       | 4,15                 |
|                               | Max. suction pressure         | Mpa                       | 1,15                 |
|                               | Air flow volume               | m <sup>3</sup> / h        | 1900                 |
|                               | Sound pressure noise level    | dB (A)                    | 57                   |
|                               | Sound power noise level       | dB (A)                    | 58                   |
| Wiring                        | Power cord                    | mm <sup>2</sup>           | 5 x 4,0              |
|                               | Communication cable           | mm <sup>2</sup>           | 3 x 2,5 και 3 x 1,5  |
| Dimensions                    | Indoor (W x D x H)            | mm                        | 580 x 400 x 1925     |
|                               | Outdoor (W x D x H)           | mm                        | 945 x 340 x 1255     |
| Net weight                    | Indoor                        | kg                        | 54                   |
|                               | Outdoor                       | kg                        | 102                  |
| Refrigerant                   |                               |                           | R410A                |
| Refrigerant charged           |                               | g                         | 3600                 |
| Pipe diameter                 | Liquid side                   | mm (inch)                 | 9,52 (3/8)"          |
|                               | Gas side                      | mm (inch)                 | 19,05 (3/4)"         |

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







[www.sendo.world](http://www.sendo.world)