

SE

Reversible heat pump split system DC Inverter
 Wall mounted monosplit
 Cooling capacity 2,5÷6,5kW
 Heating capacity 2,7÷7,0kW

R410A

INVERTER
 TECHNOLOGY



A+

A++

Seasonal Energy Efficiency
 See Technical data

SE_W



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Characteristics

Split heat pump suitable for cooling / heating in the residential environment.

New design features and modern forms that are well suited to any style of interior.

Five modes of operation (cooling, heating, dehumidification, ventilation Automatic and Only), to guarantee optimum comfort.

The environmental comfort is also closely related to the sound level and is especially important in studies and bedrooms. The indoor units SE, ensure comfort throughout the year by distributing air quietly.

- Operation heat pump with reverse cycle refrigerator and defrost control
- Fan tangential 4 speed directly selected (Minimum, Average, Maximum, Turbo)
- DC Inverter rotary compressor
- Microprocessor control
- Infrared remote controller with liquid crystal display to control all functions
- Emergency control possibility if the remote controller batteries are flat (Button AUTO on internal unit)

- Front panel display showing operating modes and temperature. The display can be activated or deactivated from the remote controller (LIGHT)
- A handy timer allows you to set up and program the startup and shutdown within a time span of 24 hours, the hours you select, and even in your absence.
- Function Night Comfort (SLEEP)
 The function adjusts the room temperature by reproducing the curve of body temperature during the night, thus ensuring an adequate physical and mental rest, whose benefit translate into increased productivity and efficiency.
- Extended Ventilation (X-FAN) function prevents the growth of mould in the internal unit during Cooling and Dehumidification Modes
- Intelligent pre-heat function to prevent jets of cold air (Heating Mode)
- Auto-diagnostic function
- Auto-Restart function after a power cut
- External unit defrost function
- External unit with condensate connection

- Cleanable air filter
- Horizontally adjustable air discharge louvres
- Motorised deflector louvres controlled by the remote controller to vertically adjust the discharge air, with 5 fixed positions or floating (SWING)
- Flare type refrigerant connections
- Simple installation and maintenance

Technical data

| Internal Unit | | | SE250W | SE350W | SE500W | SE700W |
|--------------------------------------|-----------------------------|--------|----------------------|-----------------------|-----------------------|-----------------------|
| External Unit | | | SE250 | SE350 | SE500 | SE700 |
| Cooling capacity | nominal | kW | 2,50 | 3,20 | 5,27 | 6,45 |
| | (min÷max) | kW | (0,60-2,80) | (0,60-3,50) | (1,26-6,60) | (2,53-6,80) |
| Power input | nominal | kW | 0,80 | 1,02 | 1,62 | 2,18 |
| | (min÷max) | kW | (0,12-1,30) | (0,12-1,40) | (0,38-2,65) | (0,60-2,65) |
| Condensate rate | | l/h | 0,8 | 1,4 | 1,8 | 2,0 |
| Seasonal Energy Efficiency | Energy efficiency class (1) | | A⁺ | A⁺⁺ | A⁺⁺ | A⁺⁺ |
| | SEER | | 5,8 | 6,1 | 6,1 | 6,1 |
| | Pdesign _{nc} | kW | 2,5 | 3,2 | 5,2 | 6,4 |
| Heating capacity | nominal | kW | 2,75 | 3,40 | 5,80 | 7,00 |
| | (min÷max) | kW | (0,60-3,00) | (0,60-3,80) | (1,12-6,80) | (2,53-7,60) |
| Power input | nominal | kW | 0,78 | 0,99 | 1,76 | 2,22 |
| | (min÷max) | kW | (0,12-1,40) | (0,12-1,50) | (0,35-2,65) | (0,60-2,80) |
| Seasonal Energy Efficiency (evarage) | Energy efficiency class (1) | | A⁺ | A⁺ | A⁺ | A⁺ |
| | SCOP | | 4,0 | 4,0 | 4,0 | 4,0 |
| | Pdesign _h | | 2,5 | 3,2 | 4,5 | 5,8 |
| | EER | (2) | 3,12 | 3,14 | 3,25 | 2,96 |
| | COP | (2) | 3,53 | 3,42 | 3,30 | 3,15 |
| Power input nominal | | (3) kW | 1,4 | 1,5 | 2,6 | 2,8 |

| Internal unit | | | SE250W | SE350W | SE500W | SE700W |
|----------------|--------------|-------------------|-------------|-------------|-------------|-------------|
| Air flow rate | max/med/min | m ³ /h | 400/300/250 | 400/300/250 | 780/650/550 | 800/700/550 |
| Sound power | max/med/min | dB(A) | 46/43/40 | 47/43/40 | 53/50/45 | 57/52/49 |
| Sound pressure | /max/med/min | dB(A) | 34/31/28 | 34/31/28 | 43/37/33 | 47/42/39 |

| External Unit | | | SE250 | SE350 | SE500 | SE700 |
|----------------|-----|-------------------|--------------------|-------|-------|-------|
| Air flow rate | max | m ³ /h | 1600 | 2200 | 3200 | 4000 |
| Sound power | max | dB(A) | 60 | 63 | 63 | 68 |
| Sound pressure | max | (4) dB(A) | 50 | 51 | 56 | 58 |
| Compressor | | type | Rotary DC Inverter | | | |

| | | | | | | | |
|-------------------|--------------|-----|-----------|---------------|-------------|-------------|-------------|
| Ref. connections | Liquid | | inch | 1/4" | 1/4" | 1/4" | 1/4" |
| | Gas | | inch | 3/8" | 1/2" | 1/2" | 5/8" |
| Refrigerant lines | Liquid | | mm / inch | 6,35 / 1/4" | 6,35 / 1/4" | 6,35 / 1/4" | 6,35 / 1/4" |
| | Gas | | mm / inch | 9,52 / 3/8" | 12,7 / 1/2" | 12,7 / 1/2" | 15,9 / 5/8" |
| | pipng length | max | m | 15 | 20 | 25 | 25 |
| | drop | max | m | 10 | 10 | 10 | 10 |
| Power supply | | | V ~ Hz | 220-240V~50Hz | | | |

Cooling (EN-14511 e EN-14825)

Ambient air temperature 27°C b.s./ 19 b.u.; External air temperature 35°C; Max speed; Refrigerant line length 5m

Heating (EN-14511 e EN-14825)

Ambient air temperature 20°C b.s.; External air temperature 7°C b.s./ 6°C b.u.; Max speed; Refrigerant line length 5m

min = minimum speed; **max** = maxim speed

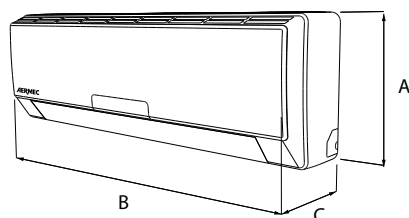
(1) In accordance with Standard EN-14511 e EN-14825

(2) EER/COP in accordance with (EN-14511), declared only for the purpose of tax deductions into force upon completion of this publication

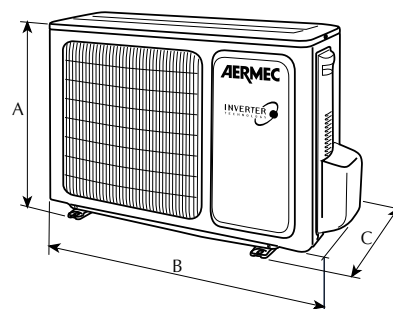
(3) The rated power input is the maximum electrical power absorbed by the system, according to the legislation EN-60335 - 1 e EN-60335 - 2 - 40

(4) Sound pressure measured at 1m distance from front in semi-anechoic chamber.

Dimensional and Weight



SE_W



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| | | SE250W | SE350W | SE500W | SE700W | SE250 | SE350 | SE500 | SE700 |
|--------|------|--------|--------|--------|--------|-------|-------|-------|-------|
| Height | A mm | 265 | 265 | 298 | 315 | 540 | 596 | 700 | 790 |
| Width | B mm | 790 | 790 | 940 | 1007 | 776 | 842 | 963 | 1000 |
| Depth | C mm | 174 | 174 | 200 | 219 | 320 | 320 | 396 | 427 |
| Weight | kg | 8.5 | 8.5 | 12 | 15 | 27 | 31 | 45 | 55 |

Aermec reserves the right to make all modifications deemed necessary for improving the product at any time with any modification of technical data.

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