

SE

**Reversible Split System Heat Pumps
High Wall Type Monosplit
Cooling Capacity 2,5÷6,5kW
Heating Capacity 2,7÷7,0kW**

HFC
Refrigerant
R410A

INVERTER
TECHNOLOGY

A⁺⁺

Maximum Seasonal
Energy Efficiency
(Refer to the Technical Data)

SE_W



SE



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 benefits 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	SE351W	SE500W	SE700W	
External Unit			SE250	SE351	SE500	SE700	
Cooling Capacity	nominal	kW	2,50	3,20	5,27	6,45	
	(min÷max)	kW	(0,60-2,80)	(0,60-3,60)	(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	
	Pdesignc	kW	2,5	3,2	5,2	6,4	
Heating Capacity	nominal	kW	2,75	3,56	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	1,04	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 (average)	Energy efficiency class (1)		A⁺	A⁺	A⁺	A⁺	
	SCOP		4,0	4,0	4,0	4,0	
	Pdesignh		2,5	3,2	4,5	5,8	
Refrigerant Gas		Type / GWP	R410A / 2088kgCO2eq				
Refrigerant Charge		kg	0,70	0,90	1,35	1,80	
	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							
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							
Air flow rate	max	m ³ /h	1600	2200	3200	4000	
Sound power	max	dB(A)	60	62	63	68	
Sound pressure	max (4)	dB(A)	50	52	56	58	
Compressor		type	Rotary DC Inverter				
Refrigerant Connections	Liquid	inch	1/4"	1/4"	1/4"	1/4"	
	Gas	inch	3/8"	3/8"	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"	9,52 / 3/8"	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** = maximum speed

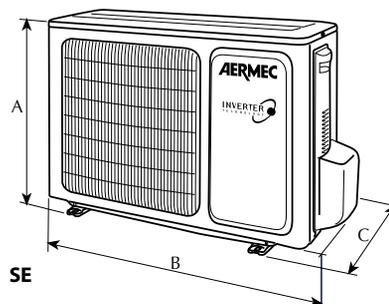
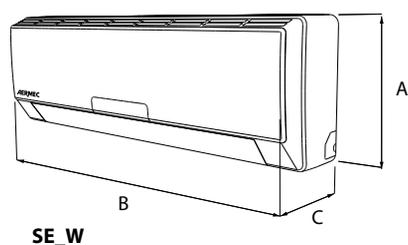
(1) In accordance with Standard EN-14511 e EN-14825

(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



		SE250W	SE351W	SE500W	SE700W	SE250	SE351	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 faculty at any time to implement any and all modifications it deems necessary for product improvement as well as any modification of related technical data.

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