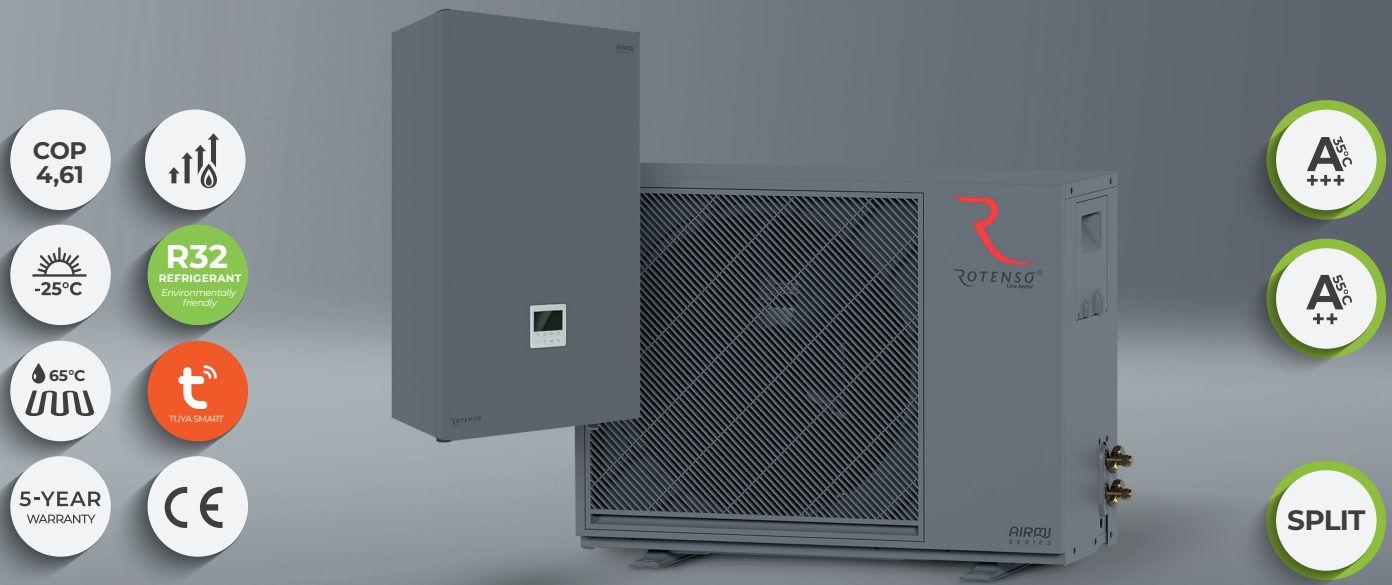

































Airmi Split heat pump

AISG140X3o^[R14] / AIS140X13i^[R14]



Device features

- | | | | | | | | |
|---|---|---|--|--|--|--|--|
| 
Environmentally friendly refrigerant R32 | 
Efficient heating | 
Energy efficiency class at 35°C A+++ | 
Energy efficiency class at 55°C A++ | 
Maximum COP 4,61 | 
Operating range down to -25°C | 
Supply water temperature of 65°C | 
Smart Grid functionality |
| 
Twin rotary compressor | 
Integrated electric heater | 
Outdoor unit drip tray heater | 
Compressor crankcase heater | 
Indoor unit drip tray | 
Easy installation and maintenance | 
Compact indoor split unit housing | 
Maximum installation length up to 15m |
| 
Silent mode | 
Integrated Wi-Fi module | 
Daily operation schedule | 
Configurable weekly schedules | 
Vacation mode | 
Menu in English | 
Multilanguage menu | 
Integrated temperature sensor |
| 
Weather operating modes (climate curve) | 
2 heating control zones | 
Dedicated application | 
Disinfection | 
Maximum leaving water temperature of 60°C (in DHW mode) | 
Prepared to create a cascade system | 
Modbus Protocol | |

Specification indoor unit

Model			AIS140X13I R14		
EAN Code			5905567602870		
Operation modes			Heating and cooling		
Leaving water temperature	Space cooling	°C	7-25		
	Space heating	°C	25-65		
	DHW (tank)	°C	25-60		
Power supply		V-Hz, Ø	220-240-50, 1f / 380-415-50, 3f		
Rated input		W	9090		
Operating current		A	13,9		
Sound power level		dB	42		
Electric heater	Power supply	V-Hz, Ø	220-240-50, 1f / 380-415-50, 3f		
	Number of heating stages	pcs	3		
	Power	kW	9		
	Maximum operating current	A	13,6		
Net dimensions		(W x D x H)	mm		
Gross dimensions		(W x D x H)	mm		
Net weight / Gross weight			kg		
Water circuit	Water connections		mm (inch)	Ø33 (1,30)	
	Pressure relief valve		MPa	0,5	
	Condensate drain		mm	Ø12,7	
	Expansion tank	Total volume		l	5
		Actual volume		l	2
		Maximum pressure		MPa	0,5
		Initial pressure		MPa	0,15
	Heat exchanger	Type		PHE / plate heat exchanger	
		Minimum flow		l/min	10
	Water pump head		m	9	
Water pump type			DC inverter		
Refrigerant circuit		Liquid / Gas	mm	Ø9,52 / Ø15,88	
Power cables: indoor unit		pcs × mm ²	5 × 4		
Control cables: indoor unit to outdoor unit		pcs × mm ²	2 × 0,75 (shielded cable)		

Specification outdoor unit

Model			AISG140X3e R14	
EAN Code			5905567602733	
Power supply		V-Hz, Ø	380-420-50, 3f	
Heating (A7/W35)	Capacity	kW	14,30	
	Rated input	kW	3,10	
	COP		4,61	
Heating (A7/W45)	Capacity	kW	14,50	
	Rated input	kW	3,89	
	COP		3,72	
Heating (A7/W55)	Capacity	kW	14,10	
	Rated input	kW	4,52	
	COP		3,12	
Cooling (A35/W18)	Capacity	kW	13,50	
	Rated input	kW	3,75	
	EER		3,65	
Cooling (A35/W7)	Capacity	kW	12,70	
	Rated input	kW	4,98	
	EER		2,55	
Seasonal energy efficiency LWT at 35°C	SCOP ⁽¹⁾		4,98	
	Rated heat output		kW	13,2
	Seasonal energy efficiency ratio (η _S)		%	196
	Annual energy consumption		kWh	5470
	Seasonal space heating energy efficiency class ⁽¹⁾			A+++
Seasonal energy efficiency LWT at 55°C	SCOP ⁽¹⁾		3,49	
	Rated heat output		kW	13,0
	Seasonal energy efficiency ratio (η _S)		%	136
	Annual energy consumption		kWh	7687
	Seasonal space heating energy efficiency class ⁽¹⁾			A++
SEER	LWT at 7°C		5,39	
	LWT at 18°C		7,71	
Maximum overcurrent protection (MOP)		A	16	
Minimum circuit amps (MCA)		A	11	
Compressor		Type	Twin rotary inverter compressor DC	
Fan	Type		Brushless DC motor / BLDC	
	Quantity		1	
Refrigerant	Type		R32	
	GWP		675	
	Quantity	kg	1,84	
		TCO _{eq}	1,242	
Pipe connections	Liquid / Gas		mm	
	Minimum installation length		m	
	Maximum installation length		m	
	Additional amount of refrigerant for over 7,5 linear meters		g/m	
Maximum height difference	Outdoor unit above the indoor unit		m	
	Outdoor unit below the indoor unit		m	
Power cables: outdoor unit		pcs × mm ²	5 × 4	
Control cables: indoor unit to outdoor unit		pcs × mm ²	2 × 0,75 (shielded cable)	
Bracket spacing		(W1 × D)	mm	
Sound pressure level		dB(A)	50	
Sound power level		dB(A)	65	
Net dimensions		(W x D x H)	mm	
Gross dimensions		(W x D x H)	mm	
Net weight / Gross weight		kg	108 / 123	
Operating outdoor temperature	Cooling/ Heating		°C	
	DHW		°C	

(1) Seasonal energy efficiency class measured under average climate conditions.

Notes: DHW - Domestic hot water, LWT - Leaving water temperature

The sound pressure level is measured 1m in front of the unit and (1+H)/2m (where H is the height of the unit) above the floor in semi-anechoic room. During on-site operation sound pressure levels can be higher as a result of ambient noise. Sound pressure level and sound power level reflect the maximum value tested under three conditions specified respectively in notes A7W35, ΔT=5; A7W45, ΔT=5; A7W55 ΔT=8; relative humidity 85%. The figures specified above refer to the following standards: EN14511; EN14825; EN50564; EN12102; (EU) Np. 811/2013; (EU) No. 813/2013; Journal of Laws 2014 / C 207/02: 2014.