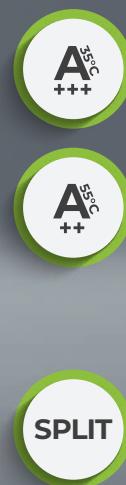
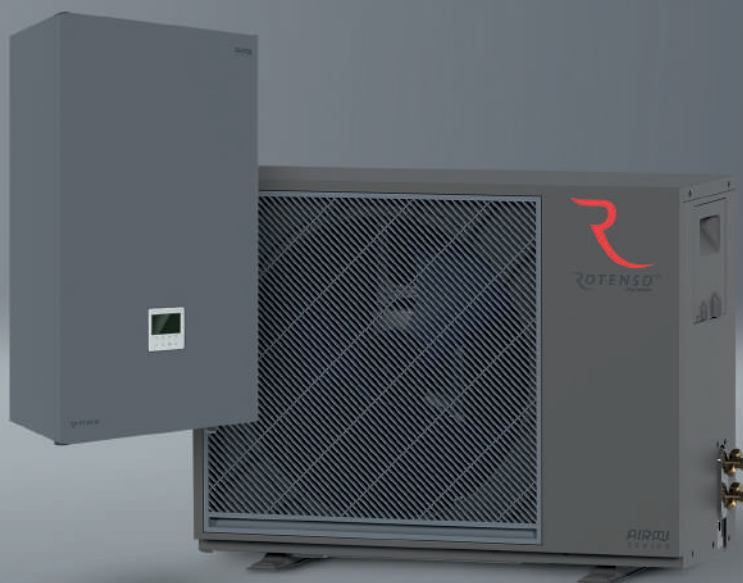


Airmi Split heat pump

AISB100X1o^[R14] / AIS100X13i^[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				AIS100X13i R14
EAN Code				5905567602856
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	465 x 273 x 909
Gross dimensions		(W x D x H)	mm	525 x 345 x 960
Net weight / Gross weight			kg	37 / 41
Water circuit	Water connections		mm (inch)	Φ33 (1,30)
	Pressure relief valve		MPa	0,5
	Condensate drain		mm	Φ12,7
	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	Φ9,52 / Φ15,88
Power cables: indoor unit		pcs x mm²		5 x 4
Control cables: indoor unit to outdoor unit		pcs x mm²		2 x 0,75 (shielded cable)

Specification outdoor unit

Model				AISB100X1o R14
EAN Code				5905567602641
Power supply		V-Hz, Ø		220-240-50, 1f
Heating (A7/W35)	Capacity	kW		9,70
	Rated input	kW		2,10
	COP			4,61
Heating (A7/W45)	Capacity	kW		9,90
	Rated input	kW		2,83
	COP			3,48
Heating (A7/W55)	Capacity	kW		9,90
	Rated input	kW		3,58
	COP			2,77
Cooling (A35/W18)	Capacity	kW		10,30
	Rated input	kW		2,25
	EER			4,58
Cooling (A35/W7)	Capacity	kW		9,60
	Rated input	kW		3,26
	EER			2,94
Seasonal energy efficiency LWT at 35°C	SCOP ⁽¹⁾			4,82
	Rated heat output	kW		8,9
	Seasonal energy efficiency ratio (η _S)	%		190
	Annual energy consumption	kWh		3814
	Seasonal space heating energy efficiency class ⁽¹⁾			A+++
Seasonal energy efficiency LWT at 55°C	SCOP ⁽¹⁾			3,21
	Rated heat output	kW		7,8
	Seasonal energy efficiency ratio (η _S)	%		126
	Annual energy consumption	kWh		4992
	Seasonal space heating energy efficiency class ⁽¹⁾			A++
SEER	LWT at 7°C			5,12
	LWT at 18°C			8,23
Maximum overcurrent protection (MOP)		A		20
Minimum circuit amps (MCA)		A		17
Compressor		Type		Twin rotary inverter compressor DC
Fan	Quantity	Type		Brushless DC motor / BLDC
		Quantity		1
Refrigerant	Type			R32
		GWP		675
	Quantity	kg		1,60
		TCO _{eq}		1,080
Pipe connections	Liquid / Gas		mm	Φ9,52 / Φ15,88
	Minimum installation length		m	3
	Maximum installation length		m	15
	Additional amount of refrigerant for over 7,5 linear meters		g/m	38
Maximum height difference	Outdoor unit above the indoor unit		m	8
	Outdoor unit below the indoor unit		m	8
Power cables: outdoor unit		pcs x mm²		3 x 4
Control cables: indoor unit to outdoor unit		pcs x mm²		2 x 0,75 (shielded cable)
Bracket spacing		(W1 x D)	mm	643 x 448
Sound pressure level		dB(A)		46
Sound power level		dB(A)		60
Net dimensions		(W x D x H)	mm	999 x 448 x 803
Gross dimensions		(W x D x H)	mm	1045 x 458 x 970
Net weight / Gross weight			kg	72 / 83
Operating outdoor temperature	Cooling/ Heating		°C	-5-43 / -25-35
	DHW		°C	-25-43

(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.

Airmi Split heat pump

AISG100X1o^[R14] / AIS100X13i^[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				AIS100X13i R14	
EAN Code				5905567602856	
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 × D × H)	mm	465 × 273 × 909	
Gross dimensions		(W × D × H)	mm	525 × 345 × 960	
Net weight / Gross weight			kg	37 / 41	
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 × mm²	5 × 4	
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0.75 (shielded cable)	

Specification outdoor unit

Model				AISG100X1o R14	
EAN Code				5905567602719	
Power supply			V-Hz, Ø	220-240-50, 1f	
Heating (A7/W35)	Capacity		kW	9,70	
	Rated input		kW	2,10	
	COP			4,61	
Heating (A7/W45)	Capacity		kW	9,90	
	Rated input		kW	2,83	
	COP			3,48	
Heating (A7/W55)	Capacity		kW	9,90	
	Rated input		kW	3,58	
	COP			2,77	
Cooling (A35/W18)	Capacity		kW	10,30	
	Rated input		kW	2,25	
	EER			4,58	
Cooling (A35/W7)	Capacity		kW	9,60	
	Rated input		kW	3,26	
	EER			2,94	
Seasonal energy efficiency LWT at 35°C	SCOP ⁽¹⁾			4,82	
	Rated heat output		kW	8,9	
	Seasonal energy efficiency ratio (η _S)		%	190	
	Annual energy consumption		kWh	3814	
	Seasonal space heating energy efficiency class ⁽¹⁾			A+++	
Seasonal energy efficiency LWT at 55°C	SCOP ⁽¹⁾			3,21	
	Rated heat output		kW	7,8	
	Seasonal energy efficiency ratio (η _S)		%	126	
	Annual energy consumption		kWh	4992	
	Seasonal space heating energy efficiency class ⁽¹⁾			A++	
SEER	LWT at 7°C			5,12	
	LWT at 18°C			8,23	
Maximum overcurrent protection (MOP)			A	20	
Minimum circuit amps (MCA)			A	17	
Compressor		Type	Twin rotary inverter compressor DC		
Fan		Type	Brushless DC motor / BLDC		
		Quantity	1		
		Type	R32		
Refrigerant		GWP		675	
		Quantity	kg	1,60	
			TCO _{eq}	1,080	
Pipe connections	Liquid / Gas		mm	Φ9,52 / Φ15,88	
	Minimum installation length		m	3	
	Maximum installation length		m	15	
	Additional amount of refrigerant for over 7.5 linear meters		g/m	38	
Maximum height difference	Outdoor unit above the indoor unit		m	8	
	Outdoor unit below the indoor unit		m	8	
Power cables: outdoor unit			pcs × mm²	3 × 4	
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0,75 (shielded cable)	
Bracket spacing		(W1 × D)	mm	643 × 448	
Sound pressure level			dB(A)	46	
Sound power level			dB(A)	60	
Net dimensions		(W × D × H)	mm	999 × 448 × 803	
Gross dimensions		(W × D × H)	mm	1045 × 458 × 970	
Net weight / Gross weight			kg	72 / 83	
Operating outdoor temperature	Cooling/ Heating		°C	-5-43 / -25-35	
	DHW		°C	-25-43	

(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.

Airmi Split heat pump

AIW100X1o^[R14] / AIS100X13i^[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				AIS100X13i R14
EAN Code				5905567602856
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	465 x 273 x 909
Gross dimensions		(W x D x H)	mm	525 x 345 x 960
Net weight / Gross weight			kg	37 / 41
Water circuit	Water connections		mm (inch)	Φ33 (1,30)
	Pressure relief valve		MPa	0,5
	Condensate drain		mm	Φ12,7
	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
Refrigerant circuit		Liquid / Gas	mm	Φ9,52 / Φ15,88
Power cables: indoor unit		pcs x mm²		5 x 4
Control cables: indoor unit to outdoor unit		pcs x mm²		2 x 0,75 (shielded cable)

Specification outdoor unit

Model				AISW100X1o R14
EAN Code				5905567602788
Power supply		V-Hz, Ø		220-240-50, 1f
Heating (A7/W35)	Capacity	kW		9,70
	Rated input	kW		2,10
	COP			4,61
Heating (A7/W45)	Capacity	kW		9,90
	Rated input	kW		2,83
	COP			3,48
Heating (A7/W55)	Capacity	kW		9,90
	Rated input	kW		3,58
	COP			2,77
Cooling (A35/W18)	Capacity	kW		10,30
	Rated input	kW		2,25
	EER			4,58
Cooling (A35/W7)	Capacity	kW		9,60
	Rated input	kW		3,26
	EER			2,94
Seasonal energy efficiency LWT at 35°C	SCOP ⁽¹⁾			4,82
	Rated heat output	kW		8,9
	Seasonal energy efficiency ratio (η _S)	%		190
	Annual energy consumption	kWh		3814
	Seasonal space heating energy efficiency class ⁽¹⁾			A+++
Seasonal energy efficiency LWT at 55°C	SCOP ⁽¹⁾			3,21
	Rated heat output	kW		7,8
	Seasonal energy efficiency ratio (η _S)	%		126
	Annual energy consumption	kWh		4992
	Seasonal space heating energy efficiency class ⁽¹⁾			A++
SEER	LWT at 7°C			5,12
	LWT at 18°C			8,23
Maximum overcurrent protection (MOP)		A		20
Minimum circuit amps (MCA)		A		17
Compressor		Type		Twin rotary inverter compressor DC
Fan	Quantity	Type		Brushless DC motor / BLDC
		Quantity		1
Refrigerant	Type	GWP		R32
				675
	Quantity	kg		1,60
		TCO _{eq}		1,080
Pipe connections	Liquid / Gas		mm	Φ9,52 / Φ15,88
	Minimum installation length		m	3
	Maximum installation length		m	15
	Additional amount of refrigerant for over 7,5 linear meters		g/m	38
Maximum height difference	Outdoor unit above the indoor unit		m	8
	Outdoor unit below the indoor unit		m	8
Power cables: outdoor unit		pcs x mm²		3 x 4
Control cables: indoor unit to outdoor unit		pcs x mm²		2 x 0,75 (shielded cable)
Bracket spacing		(W1 x D)	mm	643 x 448
Sound pressure level		dB(A)		46
Sound power level		dB(A)		60
Net dimensions		(W x D x H)	mm	999 x 448 x 803
Gross dimensions		(W x D x H)	mm	1045 x 458 x 970
Net weight / Gross weight		kg		72 / 83
Operating outdoor temperature	Cooling/ Heating		°C	-5-43 / -25-35
	DHW		°C	-25-43

(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.