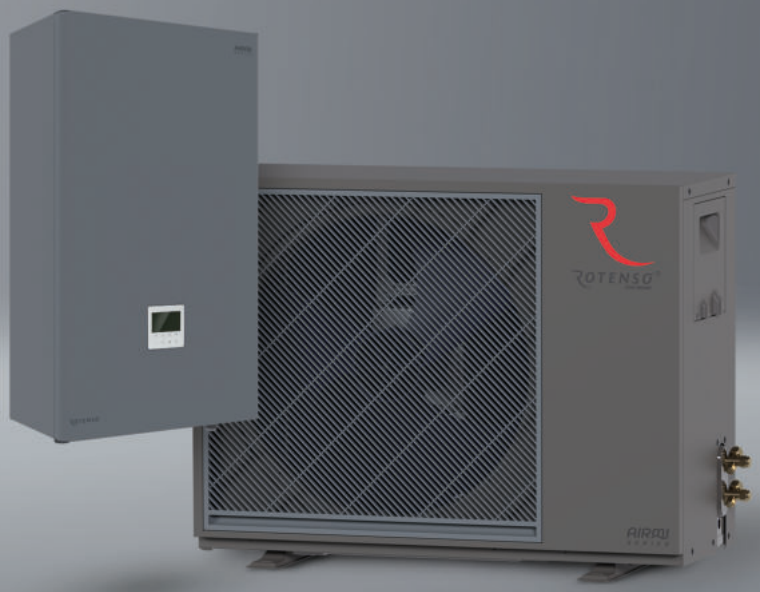
Airmi Split heat pump

AISB80X1o [R14] / AIS80X13i [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 4,52
- 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				**AIS80X13i R14**
EAN Code				5905567602849
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 × 273 × 909
Gross dimensions		(W x D x H)	mm	525 × 345 × 960
Net weight / Gross weight			kg	37 / 41
Water circuit	Water connections		mm (inch)	Φ33 (1,30)
	Pressure relief valve		MPa	0,3
	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
Minimal wire pcs and dimension of cords*			pcs × mm²	5 × 4
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0,75 (shielded cable)

Specification outdoor unit

Model				**AISB80X1o R14**
EAN Code				5905567602634
Power supply			V-Hz, Ø	220-240~50, 1f
Heating (A7/W35)	Capacity		kW	7,90
	Rated input		kW	1,75
	COP			4,52
Heating (A7/W45)	Capacity		kW	8,30
	Rated input		kW	2,41
	COP			3,45
Heating (A7/W55)	Capacity		kW	8,00
	Rated input		kW	2,96
	COP			2,70
Cooling (A35/W18)	Capacity		kW	8,10
	Rated input		kW	1,76
	EER			4,59
Cooling (A35/W7)	Capacity		kW	7,70
	Rated input		kW	2,77
	EER			2,78
Seasonal energy efficiency LWT at 35°C	SCOP(1)			4,61
	Rated heat output		kW	7,1
	Seasonal energy efficiency ratio (ηS)		%	177
	Annual energy consumption		kWh	3249
	Seasonal space heating energy efficiency class(1)			A+++
Seasonal energy efficiency LWT at 55°C	SCOP (1)			3,20
	Rated heat output		kW	7,3
	Seasonal energy efficiency ratio (ηS)		%	126
	Annual energy consumption		kWh	4667
	Seasonal space heating energy efficiency class (1)			A++
SEER	LWT at 7°C			5,23
	LWT at 18°C			8,19
Minimum rated current of the overcurrent circuit breaker with breaker type			A	B20
Compressor		Type		Twin rotary inverter compressor DC
Fan		Type		Brushless DC motor / BLDC
		Quantity		1
Refrigerant		Type		R32
		GWP		675
		Quantity	kg	1,50
			TCO_2eq	1,013
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
Minimal wire pcs and dimension of cords*			pcs × mm²	3 × 4
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0,75 (shielded cable)
Bracket spacing		(W1 × D)	mm	624 × 425
Sound pressure level			dB(A)	46
Sound power level			dB(A)	59
Net dimensions		(W x D x H)	mm	971 × 425 × 703
Gross dimensions		(W x D x H)	mm	1025 × 425 × 865
Net weight / Gross weight			kg	58 / 69
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.
The residual current circuit breaker used to protect the electrical circuit of the appliance shall be selected in view of the electrical regulations in force, assuming that the rated residual current is not greater than IΔn: 30mA
*The above values apply to supply cables with a maximum length of 20mb. If this value is exceeded, an electrical designer should be consulted.

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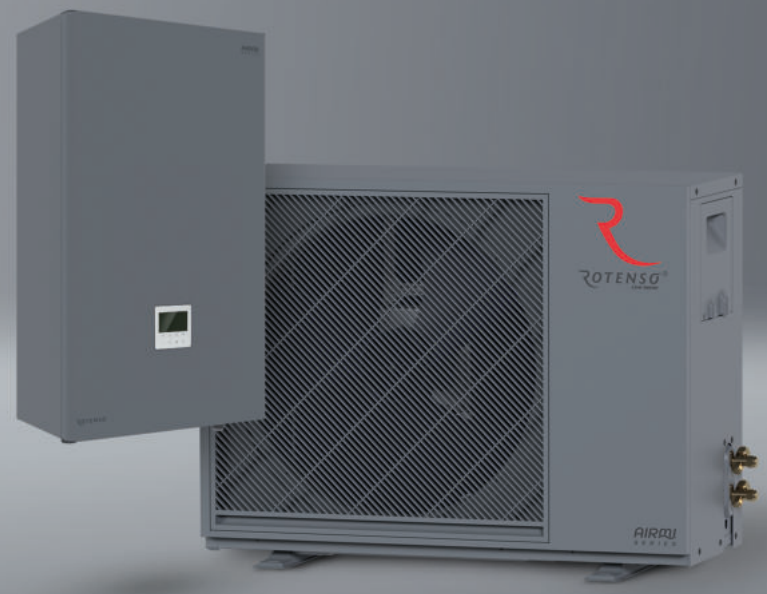

COP 4,52 · -25°C · 65°C · 5-YEAR WARRANTY · R32 REFRIGERANT Environmentally friendly · TUYA SMART · CE · A+++ 35°C · A++ 55°C · SPLIT

Device features

- Environmentally friendly refrigerant R32
- Efficient heating
- Energy efficiency class at 35°C A+++
- Energy efficiency class at 55°C A++
- Maximum COP 4,52
- 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				**AIS80X13i R14**
EAN Code				5905567602849
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 × 273 × 909
Gross dimensions		(W x D x H)	mm	525 × 345 × 960
Net weight / Gross weight			kg	37 / 41
Water circuit	Water connections		mm (inch)	Φ33 (1,30)
	Pressure relief valve		MPa	0,3
	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
Minimal wire pcs and dimension of cords*			pcs × mm²	5 × 4
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0,75 (shielded cable)

Specification outdoor unit

Model				**AISG80X1o R14**
EAN Code				5905567602634
Power supply			V-Hz, Ø	220-240~50, 1f
Heating (A7/W35)	Capacity		kW	7,90
	Rated input		kW	1,75
	COP			4,52
Heating (A7/W45)	Capacity		kW	8,30
	Rated input		kW	2,41
	COP			3,45
Heating (A7/W55)	Capacity		kW	8,00
	Rated input		kW	2,96
	COP			2,70
Cooling (A35/W18)	Capacity		kW	8,10
	Rated input		kW	1,76
	EER			4,59
Cooling (A35/W7)	Capacity		kW	7,70
	Rated input		kW	2,77
	EER			2,78
Seasonal energy efficiency LWT at 35°C	SCOP(1)			4,61
	Rated heat output		kW	7,1
	Seasonal energy efficiency ratio (ηS)		%	177
	Annual energy consumption		kWh	3249
	Seasonal space heating energy efficiency class(1)			A+++
Seasonal energy efficiency LWT at 55°C	SCOP (1)			3,20
	Rated heat output		kW	7,3
	Seasonal energy efficiency ratio (ηS)		%	126
	Annual energy consumption		kWh	4667
	Seasonal space heating energy efficiency class (1)			A++
SEER	LWT at 7°C			5,23
	LWT at 18°C			8,19
Minimum rated current of the overcurrent circuit breaker with breaker type			A	B20
Compressor		Type		Twin rotary inverter compressor DC
Fan		Type		Brushless DC motor / BLDC
		Quantity		1
Refrigerant		Type		R32
		GWP		675
		Quantity	kg	1,50
			TCO_2eq	1,013
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
Minimal wire pcs and dimension of cords*			pcs × mm²	3 × 4
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0,75 (shielded cable)
Bracket spacing		(W1 × D)	mm	624 × 425
Sound pressure level			dB(A)	46
Sound power level			dB(A)	59
Net dimensions		(W x D x H)	mm	971 × 425 × 703
Gross dimensions		(W x D x H)	mm	1025 × 425 × 865
Net weight / Gross weight			kg	58 / 69
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.
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- Energy efficiency class at 55°C A++
- Maximum COP 4,52
- 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
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		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
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	Seasonal space heating energy efficiency class(1)			A+++
Seasonal energy efficiency LWT at 55°C	SCOP (1)			3,20
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	Annual energy consumption		kWh	4667
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SEER	LWT at 7°C			5,23
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Minimum rated current of the overcurrent circuit breaker with breaker type			A	B20
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		Quantity		1
Refrigerant		Type		R32
		GWP		675
		Quantity	kg	1,50
			TCO_2eq	1,013
Pipe connections	Liquid / Gas		mm	Φ9,52 / Φ15,88
	Minimum installation length		m	3
	Maximum installation length		m	15
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Maximum height difference	Outdoor unit above the indoor unit		m	8
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