

Airmi Split heat pump

AISB80X10 [R14] / AIS80X13i [R14]



Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,52



Operating range down to -25°C



Supply water Smart Grid temperature functionality of 65°C



Twin rotary compressor



Integrated electric



Outdoor unit drip tray heater



Compressor crankcase heate



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



2 heating control



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
	Space cooling		°C	7-25
Leaving water temperature	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
	Power supply		V-Hz, Ø	220-240-50, 1f / 380-415-50, 3f
Electric heater	Number of heating stages		pcs	3
Electric fleater	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 connections		mm (inch)	Ф33 (1,30)
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ф12,7
	Expansion tank	Total volume	1	5
Minera aires de		Actual volume	I	2
Water circuit		Maximum pressure	MPa	0,5
		Initial pressure	MPa	0,15
	Heat exchanger	Туре		PHE / plate heat exchanger
		Minimum flow	I/min	10
	Water pump head		m	9
	Water pump type			DC inverter
Refrigerant circuit	Liquid / Gas			Ф9,52 / Ф15,88
Minimal wire pcs and dimension of cords*			pcs × mm²	5×2,5
Control cables: indoor unit to	Control cables: indoor unit to outdoor unit			2 × 0,75 (shielded cable)

Specification outdoor unit

Model				AISB80X1o R14
EAN Code				5905567602634
Power supply			V-Hz, Ø	220-240-50,1f
Capacity			kW	7,90
Heating (A7/W35)	Rated input		kW	1,75
	COP			4,52
	Capacity		kW	8,30
Heating	Rated input		kW	2,41
(A7/W45)	COP		10.00	3,45
	Capacity		kW	8,00
Heating	Rated input		kW	2,96
(A7/W55)	COP		KHY	2,70
	Capacity		kW	8,10
Cooling	Rated input		kW	1,76
(A35/W18)	EER EER		KYY	4,59
			kW	7,70
Cooling	Capacity Rated input		kW	2,77
(A35/W7)	EER		KYY	2,77
	SCOP(1)			4,61
			1111	
Seasonal energy efficiency	Rated heat output		kW 96	7,1
LWT at 35°C	Seasonal energy efficiency ratio (ηS)			177
	Annual energy consumption		kWh	3249
	Seasonal space heating energy efficience	y class ⁽¹⁾		A+++
	SCOP (1)		1 .	3,20
Seasonal energy efficiency	Rated heat output		kW	7,3
LWT at 55°C	Seasonal energy efficiency ratio (ηS)		96	126
	Annual energy consumption		kWh	4667
	Seasonal space heating energy efficience	y class (1)		A++
SEER	LWT at 7°C			5,23
	LWT at 18°C			8,19
	e overcurrent circuit breaker with breaker		A	B20
Compressor		Туре		Twin rotary inverter compressor DC
Fan		Туре		Brushless DC motor / BLDC
		Quantity		1
		Туре		R32
Refrigerant		GWP		675
		Quantity	kg	1,50
			TCO ₂ eq	1,013
	<u>'</u>	Liquid / Gas		Ф9,52 / Ф15,88
Pipe connections	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	
GLOSS GILLIGLISIOLIS			lum.	58 / 69
Net weight / Gross weight			kg	30709
	Cooling/ Heating		°C	-5~43 / -25~35

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, Δ T=5; A7W45, Δ T=6; relative humidity 85%. The figures specified above refer to the following standards: EN14511; EN14825; EN50564; EN12102; (EU) Np. 811/2013; (EU) Np. 811/20



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Supply water temperature of 65°C



Smart Grid functionality



Twin rotary compressor



Integrated electric



Outdoor unit drip tray heater



Compressor crankcase heate



Indoor unit drip tray



Easy installation



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



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Dedicated application



Disinfection



Maximum leaving water temperature of 60°C (in DHW mode)



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Modbus Protocol



Specification indoor unit

Model				AIS80X13i R14
EAN Code				5905567602849
Operation modes				Heating and cooling
	Space cooling		°C	7-25
Leaving water temperature	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
	Power supply		V-Hz, Ø	220-240-50, 1f / 380-415-50, 3f
Electric heater	Number of heating stages		pcs	3
Liceric redict	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 connections		mm (inch)	Ф33 (1,30)
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ф12,7
	Expansion tank	Total volume	l l	5
Water circuit		Actual volume	l l	2
water circuit		Maximum pressure	MPa	0,5
		Initial pressure	MPa	0,15
	Heat exchanger	Туре		PHE / plate heat exchanger
		Minimum flow	I/min	10
	Water pump head		m	9
	Water pump type			DC inverter
Refrigerant circuit	uit Liquid / Gas			Φ9.52 / Φ15.88
Minimal wire pcs and dimension of cords*			pcs × mm²	5×2,5
Control cables: indoor unit to	o outdoor unit		pcs × mm²	2×0.75 (shielded cable)

Specification outdoor unit

Model				AISG80X10 R14
EAN Code				5905567602634
Power supply			V-Hz, Ø	220-240-50, 1f
	Capacity		kW	7.90
Heating (A7/W35)	Rated input		kW	1,75
	COP			4.52
	Capacity		kW	8.30
Heating	Rated input		kW	2,41
(A7/W45)	COP			3,45
	Capacity		kW	8.00
Heating	Rated input		kW	2,96
(A7/W55)	COP			2,70
	Capacity		kW	8,10
Cooling	Rated input		kW	1,76
(A35/W18)	EER			4,59
	Capacity		kW	7,70
Cooling	Rated input		kW	2,77
(A35/W7)	EER			2,78
	SCOP ⁽¹⁾			4,61
	Rated heat output		kW	7,1
Seasonal energy efficiency	Seasonal energy efficiency ratio (ηS)		96	177
LWT at 35°C	Annual energy consumption		kWh	3249
	Seasonal space heating energy efficiency	v class(f)	KIIII	A+++
	SCOP (1)	y C1033		3,20
			kW	7,3
Seasonal energy efficiency	Rated heat output		96	126
LWT at 55°C	Seasonal energy efficiency ratio (ηS) Annual energy consumption		kWh	4667
	Seasonal space heating energy efficiency	velace (I)	KIIII	A++
	LWT at 7°C	y class ··		5,23
SEER	LWT at 18°C			8,19
Minimum rated current of th	e overcurrent circuit breaker with breaker t	1/00	A	B20
Compressor	e overcurrent circuit breaker with breaker t	Туре	Α	Twin rotary inverter compressor DC
Compressor		Туре		Brushless DC motor / BLDC
Fan		Quantity		1
		Туре		R32
		GWP		675
Refrigerant		OW	kg	1,50
		Quantity	TCO,eq	1,013
	liania (Car		mm	Ф9,52 / Ф15,88
	Liquid / Gas		m	Ψ9,52 / Ψ15,66
Pipe connections	Minimum installation length			15
	Maximum installation length Additional amount of refrigerant for over	7.5.5	m g/m	38
	Outdoor unit above the indoor unit	7,5 linear meters	m g/m	8
Maximum height difference				
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
	oor Cooling/ Heating			
Operating outdoor temperature	Cooling/ Heating DHW		°C	-5-43 / -25-43

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 lever 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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Supply water temperature of 65°C



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Integrated electric



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Indoor unit drip tray



Easy installation



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



2 heating control



Dedicated application



Disinfection



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Specification indoor unit

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Leaving water temperature	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
	Power supply		V-Hz, Ø	220-240~50, 1f / 380-415~50, 3f
Electric heater	Number of heating stages		pcs	3
Electric riedter	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 connections		mm (inch)	Ф33 (1,30)
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ф12,7
	Expansion tank	Total volume	1	5
Water circuit		Actual volume	I	2
water circuit		Maximum pressure	MPa	0,5
		Initial pressure	MPa	0,15
	Heat exchanger	Туре		PHE / plate heat exchanger
		Minimum flow	l/min	10
	Water pump head		m	9
	Water pump type			DC inverter
Refrigerant circuit	Liquid / Gas			Ф9,52 / Ф15,88
Minimal wire pcs and dimension of cords*			pcs × mm²	5×2,5
Control cables: indoor unit to	o outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)

Specification outdoor unit

Model				AISW80X1o R14
EAN Code				5905567602634
Power supply			V-Hz, Ø	220-240~50, 1f
	Capacity		kW	7,90
Heating (A7/W35)	Rated input		kW	1.75
	COP			4.52
	Capacity		kW	8.30
Heating	Rated input		kW	2.41
(A7/W45)	COP			3,45
	Capacity		kW	8,00
Heating	Rated input		kW	2,96
(A7/W55)	COP			2,70
	Capacity		kW	8,10
Cooling	Rated input		kW	1,76
(A35/W18)	EER		KYV	4,59
			kW	4,39 7,70
Cooling	Capacity			
(A35/W7)	Rated input		kW	2,77
	EER			2,78
	SCOP ⁽¹⁾			4,61
Seasonal energy efficiency	Rated heat output		kW	7,1
LWT at 35°C	Seasonal energy efficiency ratio (ηS)		96	177
	Annual energy consumption		kWh	3249
	Seasonal space heating energy efficiency	/ class ⁽¹⁾		A+++
	SCOP (1)			3,20
C	Rated heat output		kW	7,3
Seasonal energy efficiency LWT at 55°C	Seasonal energy efficiency ratio (ηS)		96	126
LWI dt 35°C	Annual energy consumption		kWh	4667
	Seasonal space heating energy efficiency	/ class (1)		A++
5550	LWT at 7°C			5,23
SEER	LWT at 18°C			8,19
Minimum rated current of the	e overcurrent circuit breaker with breaker t	ype	A	B20
Compressor		Туре		Twin rotary inverter compressor DC
		Туре		Brushless DC motor / BLDC
Fan		Quantity		1
		Type		R32
		GWP		675
Refrigerant			kg	1,50
		Quantity	TCO,eq	1,013
	Liquid / Gas		mm	Φ9,52 / Φ15,88
	Minimum installation length		m	+0ju-1+1000
Pipe connections	Maximum installation length		m	15
	Additional amount of refrigerant for over	7.F. linear meters	g/m	38
	-	7,3 iii leai Trieters		8
Maximum height difference	Outdoor unit above the indoor unit Outdoor unit below the indoor unit		m m	8
Outdoor unit below the indoor unit Minimal wire pcs and dimension of cords*			pcs × mm²	3×4
Minimal wire pcs and dimension of cords* Control cables: indoor unit to outdoor unit			-	3 × 4 2 × 0,75 (shielded cable)
			pcs × mm²	
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
	Cooling/ Heating		°C	-5~43 / -25~35
Operating outdoor temperature	Cooling/ Heating DHW		°C	-5-43 -25-43

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 lever 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
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