

Aquami Split heat pump AQS100X10^[R14] / AQS100X13i^[R14]







Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C



Maximum COP 5,00



Operating range down to -25°C



Supply water temperature of 65°C



Integrated USB port for updates



Energy



Smart Grid



Twin rotary



Integrated electric



Outdoor unit drip tray heater



Compressor



Indoor unit drip tray



Easy installation and maintenance



Compact indoor split unit housing



Maximum installation length up to 30m



Silent mode



Built-in Wi-Fi module



Daily operation schedule



Configurable weekly schedules



Vacation mode



Menu in English



Multilanguage



Integrated temperature



Weather operating modes (climate curve)



2 heating control



Dedicated application



Disinfection



DHW circulation pump operation schedules



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



Prepared to create a cascade system



Modbus Protocol



Specification indoor unit

Model				AQ\$100X13i R14
EAN Code				5905567602122
Operation modes				Heating and cooling
	Surface cooling		°C	5~25
Leaving water temperature	Surface heating		°C	25-65
temperature	DHW (tank)		°C	30-60
Power supply			V-Hz, Ø	220-240-50, 1f/380-420-50, 3f
Rated input			W	9095
Operating current			А	13,5
Sound power level			dB(A)	43
	Power supply		V-Hz, Ø	220-240-50, 1f / 380-420-50, 3f
Electric heater	Number of heating stages / Power		pcs. / kW	3 / 9 (3+3+3)
	Maximum running current		A	13,3
Net dimensions (W×D×H)		mm	420×270×790	
Gross dimensions		(W×D×H)	mm	525 × 360 × 1050
Net weight / Gross weight		kg	39 / 45	
	Water connections		inch	R1* external
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ф25
	Expansion tank	Total volume / Actual volume	I.	8 / 4,8
Water circuit		Maximum pressure / Initial pressure	MPa	0,3 / 0,1
water circuit	PHE / plate heat	Туре		PHE / plate heat exchanger
	exchanger	Minimum flow	l/min	10
	Water pump head		m	9
	Water pump type			DC inverter
Refrigerant circuit Liquid / Gas		mm	Ф9,52 / Ф15,9	
Minimal wire pcs and dimension of cords*		pcs × mm²	5×2,5	
Control cables: indoor unit to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)	

Specification outdoor unit

Minimum rated current of the overcurrent circuit breaker with breaker type			AQS100X1o R14
EAN Code			5905567602078
Power supply			220-240-50, 1f
	Capacity	kW	10,00
Heating	Rated input	kW	2,00
(A7/W35)	COP		5,00
	Capacity	kW	10,00
Heating	Rated input	kW	2,63
(A7/W45)	COP		3,80
	Capacity	kW	9,50
Heating	Rated input	kW	3,06
(A7/W55)	COP		3,10
	Capacity	kW	10,00
Cooling	Rated input	kW	2,08
(A35/W18)	EER		4.80
	Capacity	kW	8,20
Cooling	Rated input		2,48
(A35/W7)	EER		3,30
	SCOP(I)		5.19
C		kW.	9,2
Seasonal energy efficiency			204.8
LWT 35°C			3644
		KVIII	A+++
			3.49
	***	LAAC	7,7
Seasonal energy efficiency			
ETICIENCY LWT 55°C			135,7
EWI 33 C		KWN	4567
			A++
SEER	LWT at 7°C		5,98
			8.78
		Α	B20
Compressor	Type		Twin rotary inverter compressor DC
Fan	Туре		Brushless DC motor / BLDC
			1
	Type/ GWP		R32/675
Refrigerant	Charged (<15m)		1,65
			1,11
	Liquid / Gas		Φ9,52 (3/8") / Φ15,9 (5/8")
Pipe connections			2
	inted input	30	
	-		38
Maximum height			20
difference			20
	nd dimension of cords*	pcs × mm²	3×4
Control cables: indo	ontrol cables: indoor unit to outdoor unit		2 × 0,75 (shielded cable)
Bracket spacing		(W×D)	656×456
Sound pressure level			49
Sound power level		dB(A)	60
Net dimensions	(W×D×H)	mm	1118×523×865
Gross dimensions	(W×D×H)	mm	1180×560×890
Net weight/Gross w	eight	kg	75/86
	Cooling	oC.	-5-43
Operating outdoor temperature	Heating	oC	-25-35
temperature	DHW	°C	-25-43
1. Seasonal energy of	ficiency class measured under average climate conditions.		

 $^{1. \, {\}sf Seasonal \, energy \, efficiency \, class \, measured \, under \, average \, climate \, conditions}.$

Notes:

DHW – Domestic hot water

LWT – Leaving water temperature

The 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; A7W45, 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 20702: 2014.



Aquami All in Split heat pump

AQS100X10 [R14] / AQS100T190X1 i [R14]





















Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C



AQUAQU

Maximum COP 5,00



Operating range down to -25°C



Supply water temperature of 65°C



Integrated USB port for updates



Energy



Smart Grid



Twin rotary



Integrated electric



Outdoor unit drip tray heater



Compressor



Indoor unit drip tray



Easy installation and maintenance



Compact indoor split unit housing



Maximum installation length up to 30m



Silent mode



Built-in Wi-Fi module



Daily operation schedule



Configurable weekly schedules



Vacation mode



Menu in English



Multilanguage



Integrated temperature



Weather operating modes (climate curve)



2 heating control



Dedicated application



Disinfection



DHW circulation pump operation schedules



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



DHW tank



Tank of stainless steel



Built-in switching valve



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 humidit 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.



Specification indoor unit

Model				AQS100T190X1i R14
EAN code				5905567602146
Operation modes				Heating and cooling
	Surface cooling		°C	5-25
Leaving water	Surface heating		°C	25~65
temperature	temperature DHW (tank)		°C	30~60
Power supply			V-Hz, Ø	220-240-50, 1f
Rated input / Operating of	urrent		W/A	3095 / 13,5
Sound power level			dB(A)	38
Power supply			V-Hz, Ø	220-240~50, 1f
Electric heater	Number of heating stag	ges / Power	pcs. / kW	1/3
	Maximum operating cu	rrent	A	13,3
Net dimensions		(W×D×H)	mm	600×600×1683
Gross dimensions		(W×D×H)	mm	653×653×1900
Net weight / Gross weigh	t		kg	139/154
	Water connections		inch	R1" external
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ф25
	Expansion tank	Total volume / Actual volume	ı	8/4.8
		Maximum pressure / Initial pressure	MPa	0,3 / 0,1
	PHE / plate heat	Type		PHE / plate heat exchanger
	exchanger	Minimum flow	l/min	6
Water circuit	Water pump head	er pump head		9
	Water pump head			DC
		Tank material		Stainless steel 316L
		Housing material/colour		Polyurethane foam, steel / white
		Tank capacity	1	190
	DHW tank	Maximum water temperature (disinfection mode)	°C	70
		Insulation thickness	mm	45
		Maximum pressure	bar	10
Refrigerant circuit	Liquid / Gas		mm	Φ9,52 (3/8") / Φ15,9 (5/8")
	Minimal wire pcs and dimension of cords*			3×2,5
Control cables: indoor ur	it to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)

Specification outdoor unit

Model			AQ\$100X1o R14
EAN Code			5905567602078
Power supply			220-240-50, 1f
т омет заррту	Canacity	L/W	10,00
Heating			2,00
(A7/W35)	-	KVV	5,00
		IAM	10,00
Heating			
(A7/W45)	-	KVV	2,63 3,80
Heating			9,50
(A7/W55)		KVV	3,06
			3,10
Cooling			10,00
(A35/W18)		kW	2,08
			4,80
Cooling			8,20
(A35/W7)		kW	2,48
			3,30
			5,19
Seasonal energy	Rated heat output	kW	9,2
efficiency	Seasonal energy efficiency ratio (ηS)	96	204,8
LWT 35°C	Annual energy consumption	kWh	3644
LWT 35°C	Seasonal space heating energy efficiency class ⁽¹⁾		A+++
	SCOP(f)		3,49
Seasonal energy	Rated heat output	kW	7,7
efficiency	Seasonal energy efficiency ratio (ηS)	96	135,7
LWT 55°C		kWh	4567
			A++
			5,98
SEER			8,78
Minimum rated cur		A	B20
Compressor			Twin rotary inverter compressor DC
			Brushless DC motor / BLDC
Fan			1
	1		R32 / 675
Refrigerant	1,900 0111	kα	1.65
Nemgeranic	Charged (<15m)		1,11
	Liquid / Gas		Φ9,52 (3/8") / Φ15,9 (5/8")
			Ψ3,52 (3/6) / Ψ15,9 (3/6) 2
Pipe connections			30
			38
			38 20
Maximum height difference			
	-		20
	linimal wire pcs and dimension of cords*		3×4
	Control cables: indoor unit to outdoor unit		2 × 0,75 (shielded cable)
Bracket spacing			656×456
Sound pressure level		dB(A)	49
			60
Sound power level			
Sound power level Net dimensions	(W×D×H)		1118×523×865
Sound power level Net dimensions Gross dimensions	(W×D×H) (W×D×H)	mm	1180×560×890
Sound power level Net dimensions	(W×D×H) (W×D×H)	mm kg	1180×560×890 75/86
Sound power level Net dimensions Gross dimensions Net weight/Gross w	(W-D>H) (W>D+H) (W(D>H) weight Cooling	mm kg °C	1180×560×890 75/86 -5-43
Sound power level Net dimensions Gross dimensions	(W-D>H) (W>D+H) (W(D>H) weight Cooling	mm kg °C	1180×560×890 75/86

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 Ian: 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.



Aquami All in Split heat pump

AQS100X10 [R14] / AQS100T240X 13i [R14]





















Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C



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Maximum COP 5,20



Operating range down to -25°C



Supply water temperature of 65°C



Integrated USB port for updates



Energy



Smart Grid



Twin rotary



Integrated electric



Outdoor unit drip tray heater



Compressor



Indoor unit drip tray



Easy installation and maintenance



Compact indoor split unit housing



Maximum installation length up to 30m



Silent mode



Built-in Wi-Fi module



Daily operation schedule



Configurable weekly schedules



Vacation mode



Menu in English



Multilanguage



Integrated temperature



Weather operating modes (climate curve)



2 heating control



Dedicated application



Disinfection



DHW circulation pump operation schedules



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







Tank of stainless steel



Built-in switching valve



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 humidit 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.



Specification indoor unit

Model				AQS100T240X13i R14
EAN code				5905567602153
Operation modes				Heating and cooling
	Surface cooling		°C	5~25
Leaving water	Surface heating		°C	25-65
temperature	nperature DHW (tank)		°C	30-60
Power supply			V-Hz, Ø	220-240-50, 1f/380-420-50, 3f
Rated input / Operatin	ng current		W/A	9095 / 13,5
Sound power level			dB(A)	38
	Power supply		V-Hz, Ø	220-240-50, 1f/380-420-50, 3f
Electric heater	Number of heating sta	iges / Power	pcs. / kW	3 / 9 (3+3+3)
	Maximum operating cu	urrent	A	13,3
Net dimensions		(W×D×H)	mm	600×600×1943
Gross dimensions		(W×D×H)	mm	653×653×2160
Net weight / Gross we	ight		kg	156/171
	Water connections		inch	R1* external
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Φ25
		Total volume / Actual volume	ı	8/4,8
	Expansion tank	Maximum pressure / Initial pressure	MPa	0,3/0,1
	PHE / plate heat	Type		PHE / plate heat exchanger
	exchanger	Minimum flow	l/min	6
Water circuit	Water pump head	'	m	9
	Water pump head			DC
		Tank material		Stainless steel 316L
		Housing material/colour		Polyurethane foam, steel / white
	DHW tank	Tank capacity	1	240
		Maximum water temperature (disinfection mode)	°C	70
		Insulation thickness	mm	45
		Maximum pressure	bar	10
Refrigerant circuit	Liquid / Gas		mm	Φ9.52 (3/8") / Φ15,9 (5/8")
Minimal wire pcs and	dimension of cords*		pcs × mm²	5×2,5
Control cables: indoor	r unit to outdoor unit		pcs × mm²	2×0.75 (shielded cable)

Specification outdoor unit

Model			AQS100X1o R14		
EAN Code			5905567602078		
Power supply			220-240~50, 1f		
	Capacity	kW	10,00		
Heating			2,00		
(A7/W35)			5,00		
	1	MM	10,00		
Heating			2,63		
(A7/W45)		KVV	3,80		
		1147			
Heating			9,50		
(A7/W55)		kW	3,06		
	Type Type Quantity Type/ GWP Charged (<15m) Liquid // Gas Minimum installation length Maximum installation length Additional amount of refrigerant for over 15 linear meters Quitdoor unit above the indoor unit m Outdoor unit above the indoor unit dimension of cords* or unit to outdoor unit pcs × mm² or unit to outdoor unit (W×D)	3,10			
Cooling			10,00		
Cooling A35/W18)		kW	2,08		
(,	EER		4,80		
	Capacity	kW	8,20		
Cooling	Rated input	kW	2,48		
A35/W7)	EER		3,30		
			5.19		
Concornal operati		kW	9,2		
efficiency			204,8		
LWT 35°C			3644		
		KVVII	A+++		
			3,49		
Seasonal energy			7,7		
efficiency			135,7		
LWT 55°C		kWh	4567		
	Capacity	A++			
SEER	LWT at 7℃		5,98		
SEEK	LWT at 8°C		8,78		
Minimum rated cur	rent of the overcurrent circuit breaker with breaker type	A	B20		
Compressor	Туре		Twin rotary inverter compressor DC		
	Type		Brushless DC motor / BLDC		
			1		
			R32 / 675		
Refrigerant		kg	5,98		
	Charged (<15m)		8,78		
	Liquid / Cas		19		
	-		17		
Pipe connections					
			30		
			38		
Maximum height			20		
difference			20		
Minimal wire pcs an	•		3×4		
Control cables: indoor unit to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)		
Bracket spacing	racket spacing		656×456		
Sound pressure level		dB(A)	49		
Sound power level			60		
Net dimensions	(W×D×H)	mm	1118×523×865		
Gross dimensions			1180×560×890		
		kg	75/86		
		.,6			
Net weight/Gross w		00			
	Cooling	°C	.5~43		
Net weight/Gross w	Cooling	°C °C	-5-43 -25-35 -25-43		

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 Ian: 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.