

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



5-YEAR



Device features

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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 compressor



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				AQS160X13I R14
EAN Code				5905567602139
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 / Operat	ting current		W/A	9095 / 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		mm	525 × 360 × 1050	
Net weight / Gross v	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	Į.	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
Refrigerant circuit	t Liquid / Gas		mm	Φ9,52 (3/8") / Φ15,9 (5/8")
Minimal wire pcs and	Minimal wire pcs and dimension of cords* pcs × mm²			5×2,5
Control cables: indo	Control cables: indoor unit to outdoor unit pcs × mm ²			2×0.75 (shielded cable)

Specification outdoor unit

Minimum rated curr	rent of the overcurrent circuit breaker with breaker type		AQS100X1o R14
EAN Code			5905567602078
Power supply			220-240~50, 1f
	Capacity	kW	10,00
Heating (A7/W35)	Rated input	kW	2,00
(A77W53)	COP		5,00
	Capacity	kW	10,00
Heating (A7/W45)	Rated input	kW	2,63
(A77V43)	COP		3,80
	Capacity	kW	9,50
Heating (A7/W55)	Rated input	kW	3,06
(A77W33)	Capacity Rated input COP Capacity Rated input EER Capacity Rated input EER SCOP® Rated input Eer Scopen Rated input Eer Scopen Rated input Eer Scopen Rated input Eer Scopen Rated input Rated input Reasonal energy efficiency ratio (n/S) Annual energy consumption Seasonal space heating energy efficiency class® Scopen Rated heat output Seasonal space heating energy efficiency class® Scopen Rated heat output Seasonal space heating energy efficiency class® LUVT at 7°C LUVT at 7°C LUVT at 8°C To the overcurrent circuit breaker with breaker type Type Type Quantity Type/ GWP Charged (<15m) Liquid / Gas Minimum installation length Maximum installation length Minimum installation		3,10
- ·	Capacity	kW	10,00
Cooling	Rated input	kW	2,08
(A35/W18)	EER		4,80
- ·	Capacity	kW	8,20
Cooling (A35/W7)	Rated input	kW	2,48
(A33/W/)	EER		3,30
	SCOP(1)		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
EWI 33 C	Seasonal space heating energy efficiency class ⁽¹⁾		A+++
	SCOP ⁽¹⁾		3,49
Seasonal energy	Rated heat output	kW	7,7
efficiency	Seasonal energy efficiency ratio (ηS)	96	135,7
LWT 55°C	Annual energy consumption	kWh	4567
	Seasonal space heating energy efficiency class (1)		A++
CEED	LWT at 7°C		5,98
SEER LWT at 8°C			8.78
Minimum rated curr	rent of the overcurrent circuit breaker with breaker type	А	B20
Compressor	Туре		Twin rotary inverter compressor DC
Fan	Туре		Brushless DC motor / BLDC
1 011	Quantity		1
	Type/ GWP		R32 / 675
Refrigerant	Charged (<15m)	kg	1,65
		TCO ₂ eq	1,11
	Liquid / Gas	mm	Φ9,52 (3/8°) / Φ15,9 (5/8°)
Pipe connections	Minimum installation length	m	2
i ipe connections	Maximum installation length	m	30
	Additional amount of refrigerant for over 15 linear meters	g/m	38
Maximum height	Outdoor unit above the indoor unit	m	20
difference	Outdoor unit below the indoor unit	m	20
Minimal wire pcs and	d dimension of cords*	pcs × mm²	3×4
Control cables: indoor unit to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)
Bracket spacing		(W×D)	656×456
Sound pressure level		dB(A)	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 we	eight	kg	75/86
Operating outdoor	Cooling	oC.	-5-43
temperature	Heating	°C	-25~35
	DHW	°C	-25-43
1 Seasonal energy eff	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



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)







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
Leaving water	Surface cooling		°C	5~25
	Surface heating		°C	25~65
temperature	DHW (tank)		°C	30~60
Power supply			V-Hz, Ø	220-240~50, 1f
Rated input / Operatir	ig current		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 sta	iges / Power	pcs. / kW	1/3
	Maximum operating cu	urrent	A	13,3
Net dimensions		(W×D×H)	mm	600×600×1683
Gross dimensions		(W×D×H)	mm	653×653×1900
Net weight / Gross we	ight		kg	139/154
	Water connections		inch	R1* external
	Pressure relief valve	Pressure relief valve		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	pump head		9
	Water pump head			DC
		Tank material		Stainless steel 316L
	DHW tank	Housing material/colour		Polyurethane foam, steel / white
		Tank capacity	1	190
		Maximum water temperature (disinfection mode)	°C	70
		Insulation thickness	mm	45
		Maximum pressure	bar	10
Refrigerant circuit	Liquid / Gas		mm	Ф9,52 (3/8") / Ф15,9 (5/8")
			pcs × mm²	5×2,5
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0.75 (shielded cable)

Specification outdoor unit

Model		AQ\$100X1o R14		
FAN Code			5905567602078	
			220-240-50, If	
томет заррту	Capacity	LW.	10,00	
Heating				
(A7/W35)		KVV	2,00	
			5,00	
Heating			10,00	
EAN Code Power supply Heating (A7/W35) Heating (A7/W45) Heating (A7/W45) Heating (A7/W45) Cooling (A3S/W7) Cooling (A3S/W7) Seasonal energy efficiency LWT 35PC Seasonal energy efficiency LWT 55PC SEER Minimum rated curre Compressor Fan Refrigerant Pipe connections Maximum height difference Minimal wire pcs and Control cables: indoo Bracket spacing Sound pressure level Sound pressure level Sound pressure level		kW	2,63	
	1.1		3,80	
Heating	Capacity	kW	9,50	
	Rated input	kW	3,06	
	COP		3,10	
	Rated input IAW COP IAW Capacity IAW Rated input IAW EER IAW Sated input IAW EER IAW SCOPIII IAW Rated heat output IAW Seasonal energy efficiency ratio (nfs) My Annual energy consumption IAW Seasonal space heating energy efficiency class** IAW Seasonal energy efficiency ratio (nfs) My Annual energy consumption IAW Seasonal space heating energy efficiency class** IAW Seasonal energy efficiency ratio (nfs) My Annual energy consumption IAW Seasonal space heating energy efficiency class** IAW Seasonal energy efficiency ratio (nfs) My Annual energy consumption IAW Seasonal energy efficiency class** IAW Cearch at the energy efficiency class** IAW LiQuid Tax & Command IAW Charge (sciplant) IAW Charge (sciplant) IAW	kW	10,00	
		kW	2,08	
(A35/W18)			4,80	
		kW	8,20	
			2,48	
(A35/W7)		NYY	3,30	
Seasonal energy			5,19	
		LAM		
			9,2	
			204,8	
LWI 35°C		kWh	3644	
			A+++	
	SCOP ⁽¹⁾		3,49	
Seasonal energy	Rated heat output	kW	7,7	
	Seasonal energy efficiency ratio (ηS)	96	135,7	
LWT 55°C	Annual energy consumption	kWh	4567	
2111 33 0	Seasonal space heating energy efficiency class (1)		A++	
			5,98	
SEER			8,78	
Minimum rated cur		Δ	B20	
			Twin rotary inverter compressor DC	
Compressor				
Fan			Brushless DC motor / BLDC	
raii	-		1	
	Type/ GWP		R32 / 675	
Refrigerant	Charged (<15m)	kg	1,65	
	C1015C0 (1311)	TCO ₂ eq	1,11	
	Liquid / Gas	mm	Φ9,52 (3/8") / Φ15,9 (5/8")	
P	Minimum installation length	m	2	
Pipe connections	Maximum installation length	m	30	
	Additional amount of refrigerant for over 15 linear meters	g/m	38	
Maximum height	Outdoor unit above the indoor unit		20	
			20	
	I .		3×4	
Control cables: indoor unit to outdoor unit			2 × 0,75 (shielded cable)	
			656×456	
*		dB(A)	49	
			60	
Net dimensions			1118×523×865	
Gross dimensions	(W×D×H)	mm	1180×560×890	
Net weight/Gross w	eight	kg	75/86	
	Cooling	°C	-5-43	
Operating outdoor		°C	-25-35	
temperature	DHW	°C	-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.



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



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)



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				AQS100T240X13i R14
EAN code				5905567602153
Operation modes				Heating and cooling
Leaving water	Surface cooling		°C	5-25
	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 / Operating	urrent		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 stag	ges / Power	pcs. / kW	3 / 9 (3+3+3)
	Maximum operating cu	irrent	A	13,3
Net dimensions		(W×D×H)	mm	600×600×1943
Gross dimensions		(W×D×H)	mm	653×653×2160
Net weight / Gross weigh	t		kg	156/171
	Water connections		inch	R1" external
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ф25
	Expansion tank	Total volume / Actual volume	1	8/4,8
		Maximum pressure / Initial pressure	MPa	0,3 / 0,1
	PHE / plate heat	Туре		PHE / plate heat exchanger
	exchanger	Minimum flow	l/min	6
Water circuit	Water pump head	pump head		9
	Water pump head			DC DC
		Tank material		Stainless steel 316L
	DHW tank	Housing material/colour		Polyurethane foam, steel / white
		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")
			pcs × mm²	5×2,5
Control cables: indoor 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	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 (A7/W55)	Rated input	kW	3,06		
	COP	1.44	3,10		
	Capacity	kW	10,00		
Cooling		kW	2,08		
(A35/W18)	Rated input EER	KVV	4,80		
	Capacity	kW	8,20		
Cooling		kW			
(A35/W7)	Rated input	KVV	2,48		
	SCOP ^(I)		3,30 5,19		
		1147			
Seasonal energy	Rated heat output	kW	9,2		
efficiency LWT 35°C	Seasonal energy efficiency ratio (ηS)	96	204,8		
LWI 55°C	Annual energy consumption	kWh	3644		
	Seasonal space heating energy efficiency class ⁽¹⁾		A+++		
Seasonal energy	SCOP ⁽¹⁾		3,49		
Seasonal energy	Rated heat output	kW	7,7		
efficiency	Seasonal energy efficiency ratio (ηS)	96	135,7		
LWT 55°C	Annual energy consumption	kWh	4567		
	Seasonal space heating energy efficiency class (1)		A++		
SEER	LWT at 7°C		5,98		
	LWT at 8°C		8,78		
	rent of the overcurrent circuit breaker with breaker type	A	B20		
Compressor	Туре		Twin rotary inverter compressor DC		
Fan	Туре		Brushless DC motor / BLDC		
	Quantity		1		
	Type/ GWP		R32 / 675		
Refrigerant	Charged (<15m)	kg	5,98		
		TCO₂eq	8,78		
	Liquid / Gas	mm	19		
Pipe connections	Minimum installation length	m	17		
ripe connections	Maximum installation length	m	30		
	Additional amount of refrigerant for over 15 linear meters	g/m	38		
Maximum height	Outdoor unit above the indoor unit	m	20		
difference	Outdoor unit below the indoor unit	m	20		
Minimal wire pcs an	d dimension of cords*	pcs × mm²	3×4		
Control cables: indoor unit to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)		
Bracket spacing		(W×D)	656×456		
Sound pressure level		dB(A)	49		
Sound power level			60		
Net dimensions	(W×D×H)	mm	1118×523×865		
Gross dimensions	(W×D×H)	mm	1180×560×890		
Net weight/Gross w			75/86		
	Cooling	kg °C	-5-43		
Operating outdoor temperature	Heating	°C	-25-35		
	DHW	°C	-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.