

Aquami Split heat pump AQS60X10^[R14] / AQS60X13i^[R14]







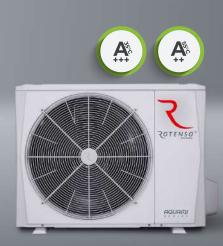














Device features



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				AQS60X13i R14
EAN Code				5905567602115
Operation modes				Heating and cooling
			°C	5~25
-	Surface heating		°C	25-65
	DHW (tank)		°C	30-60
		V-Hz, Ø	220-240-50, 1f / 380-420-50, 3f	
Rated input			W	9095
Operating current			A	13,5
Sound power level			dB(A)	38
Surface cooling	Power supply		V-Hz, Ø	220-240~50, 1f / 380-420~50, 3f
	Number of heating stages / Power		pcs. / kW	3 / 9 (3+3+3)
	13,3			
Net dimensions		(W×D×H)	mm	420×270×790
		mm	525×360×1050	
li i		kg	37/43	
			inch	R1* external
	Pressure relief valv	re	MPa	0,3
	Condensate drain	Condensate drain		Φ25
	Surface cooling	8 / 4,8		
Water sissuit	Expansion tank	Maximum pressure / Initial pressure	MPa	0,3 / 0,1
water circuit	PHE / plate heat	Туре		PHE / plate heat exchanger
	exchanger	Minimum flow	l/min	6
	Water pump head		m	9
	Water pump type			DC inverter
Refrigerant circuit	Liquid / Gas		mm	Φ6,35 / Φ15,9
Minimal wire pcs ar	Minimal wire pcs and dimension of cords*		pcs × mm²	5×2,5
Control cables: indo	oor unit to outdoor ur	nit	pcs × mm²	2 × 0,75 (shielded cable)

Specification outdoor unit

Model			AQS60X10 R14
EAN Code Power supply			5905567602054
Power supply Capacity LAW			220-240~50, 1f
	Capacity	kW	6,20
Heating	Rated input	kW	1,24
(A7/W35)	COP		5,00
	Capacity	kW	6,35
Heating	Rated input	1,69	
(A7/W45)	COP		3,75
	Capacity	kW	6,00
Heating	Rated input	kW	2,00
(A7/W55)	COP		3,00
	Capacity	kW	6.55
Cooling		kW	1,34
(A35/W18)			4,90
		kW	7,00
Cooling			233
(A35/W7)			3,00
			4.95
Seasonal energy		kW	6,8
efficiency			195
LWT 35°C			2845
	Rated input	A+++	
			3.52
		LAAZ	5,72 5,7
Seasonal energy			137,9
efficiency LWT 55°C			3343
2111 33 C		KVVII	
			A++ 5.34
SEER	LWT at 7°C		***
			8,21
		A	B16
Compressor			Twin rotary inverter compressor DC
Fan			Brushless DC motor / BLDC
			1
	Type/ GWP		R32 / 675
Refrigerant	Charged (<15m)		1,5
			1,02
			Φ6,35 (1/4") / Φ15,9 (5/8")
Pipe connections	Minimum installation length	m	2
	-		30
		g/m	20
Maximum height		m	20
difference	Outdoor unit below the indoor unit	m	20
Minimal wire pcs an	nd dimension of cords*	pcs × mm²	3×2,5
Control cables: indo	por unit to outdoor unit	pcs × mm²	2×0.75 (shielded cable)
Bracket spacing	ket spacing		663×375
Sound pressure leve			45
Sound power level			58
Net dimensions	(W×D×H)	mm	1008×426×712
Gross dimensions	(W×D×H)	mm	1065×485×800
Net weight/Gross w	eight	kg	58/63,5
	Cooling		-5-43
Operating outdoor	Heating	oC.	-25-35
temperature	DHW	oC.	-25-43
Sassonal anarmy 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; 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 20702: 2014.



Aquami All in Split heat pump

AQS60X10 [R14] / AQS100T190X1 [R14]











5-YEAR











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)



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 temperature	Surface heating		°C	25~65	
temperature	DHW (tank)		°C	30~60	
Power supply Rated input / Operating current		V-Hz, Ø	220-240-50, 1f		
Rated input / Operating	g 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 s	ges / Power	pcs. / kW	1/3	
	Maximum operating current A ensions (W×D×H) mm imensions (W×D×H) mm		A	13,3	
Net dimensions		(W×D×H)	mm	600×600×1683	
Gross dimensions		(W×D×H)	mm	653×653×1900	
Net weight / Gross weig	ght		kg	139/154	
	Water connections	er connections		R1* external	
	Pressure relief valve		MPa	0,3	
	Condensate drain		mm	Φ25	
		Total volume / Actual volume	I	8 / 4,8	
	Expansion tank	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		m	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	Φ9,52 (3/8") / Φ15,9 (5/8")	
Minimal wire pcs and d	imension of cords*		pcs × mm²	3×2,5	
Control cables: indoor unit to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)		

Specification outdoor unit

Model		AQS60X1o R14			
EAN Code			5905567602054		
Power supply			220-240-50, 1f		
	Capacity	kW			
Heating					
(A7/W35)					
	1.1	NW.			
Heating	1 1				
(A7/W45)	Type Type Quantity Type/GWP Charged (<15m) Charged (<15m) Elquid / Gas Minimum installation length Maximum installation length Maximum installation length Maximum installation length Minimum installation length Maximum installation length Minimum install	KVV			
Heating					
(A7/W55)	Rated input kW COP Capacity kW Rated input kW Rated heat output kW Rated heat output kW Seasonal energy efficiency ratio (n/5) % Annual energy consumption kWh Seasonal space heating energy efficiency class (n) Rated heat output kW Rated input kW Rated				
		KW KW KW KW KW KW KW KW			
Cooling					
(A35/W18)		kW			
(,	Rated input COP Capacity Rated input Rated input REER Capacity Rated input REER Capacity Rated input REER Capacity Rated input REER Capacity Rated input REER SCOP: Rated heat output Rated input ReteR SCOP: Rated heat output Rated heat output Rated heat output Resonal energy efficiency ratio (n;S) Annual energy consumption Resonal space heating energy efficiency class** SCOP** Rated heat output Resonal energy efficiency ratio (n;S) Resonal energy efficiency ratio (n;S) Resonal energy efficiency ratio (n;S) Reter heat output Resonal energy efficiency ratio (n;S) Reter heat output Resonal energy efficiency ratio (n;S) Resonal space heating energy efficiency class** Seasonal space heating energy efficiency class** Seasonal space heating energy efficiency class** Reter heat output Resonal energy efficiency ratio (n;S) Resonal space heating energy efficiency class** Seasonal energy efficiency class** Seaso	4,90			
	Capacity	kW	7,00		
Cooling	Rated input	kW	2,33		
(A35/W7)			3,00		
			4,95		
Concornal operati		kW			
efficiency .WT 35°C					
		KVVII			
Seasonal energy	Capacity				
efficiency					
LWT 55°C		kWh	3343		
	Capacity	A++			
CCCD	Rated input	5,34			
SEEK	LWT at 7°C LWT at 8°C		8,21		
Minimum rated cur	rrent of the overcurrent circuit breaker with breaker type	A	B16		
Compressor	Type		Twin rotary inverter compressor DC		
Fan	Capacity Rated input EER Capacity Rated input EER SCOP(1) Rated input EER SCOP(2) Rated heat output Seasonal energy efficiency ratio (r)S) Annual energy consumption Seasonal space heating energy efficiency class(1) SCOP(1) Rated heat output Seasonal energy efficiency ratio (r)S) Annual energy consumption Seasonal space heating energy efficiency class(1) SCOP(1) Rated heat output Seasonal energy efficiency ratio (r)S) Annual energy consumption Seasonal space heating energy efficiency class(1) LWT at 7°C LWT at 7°C LWT at 8°C remet of the overcurrent circuit breaker with breaker type Type Type Quantity Type/GWP Charged (<15m) Liquid / Gas Minimum installation length Maximum installation length Additional amount of refrigerant for over 15 linear meters Outdoor unit above the indoor unit Outdoor unit above the indoor unit		1		
	-	KW KW KW KW KW KW KW KW			
Refrigerant		kσ			
nen gerane	Charged (<15m)				
	Liquid / Cas				
Pipe connections					
	-				
		m			
Minimal wire pcs an	nd dimension of cords*	pcs × mm²	3×2,5		
Control cables: indo			2 × 0,75 (shielded cable)		
Bracket spacing			663×375		
Sound pressure lev	Bracket spacing Sound pressure level		45		
Sound power level			58		
Net dimensions		mm			
			1065×485×800		
			58/63,5		
	veignt				
Net weight/Gross w	Cooling				
Net weight/Gross w Operating outdoor			.5-43		
Seasonal energy efficiency WT 55%C SEER dinimum rated curr Compressor Fan Refrigerant Pipe connections daximum height difference difference wiference sound power level Sound power level Sound power level Sound power level Vet dimensions Fross dimensions Fross dimensions fet weight/Gross w	Heating	°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.



Aquami All in Split heat pump

AQS60X10 [R14] / AQS100T240X1 3i [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)



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)Zm (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; ENS0564; EN12102; (EU) Np. 811/2013; (EU) No. 813/2013; Journal of Laws 2014 / C 207/02: 2014.



Specification indoor unit

Model				AQ\$100T240X13i R14
EAN code				5905567602153
Operation modes				Heating and cooling
	Surface cooling		°C	5~25
Leaving water	Surface heating	Surface heating		25-65
temperature	Surface heating 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 weight		kg	156/171	
	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	'	m	9
	Water pump head			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")
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		AQS60X1o R14			
EAN Code			5905567602054		
Power supply			220-240-50, If		
	Capacity	kW			
Heating					
(A7/W35)					
	**	MM			
Heating					
(A7/W45)	Type Type Quantity Type/GWP Charged (<15m) Liquid / Gas Minimum installation length Maximum installation length Maximum installation length Moutdoor unit above the indoor unit dimension of cords* pcs × mm² runit to outdoor unit pcs × mm² gla(A)				
Heating					
(A7/W55)	Rated input				
		KW KW KW KW KW KW KW KW			
Cooling					
(A35/W18)		kW			
(,	Rated input COP Capacity Rated input RATE Capacity RATE RATE input RATE Capacity RATE RATE input RATE Capacity RATE RATE RATE RATE Capacity RATE RATE RATE RATE RATE RATE RATE RATE	4,90			
	Capacity	kW	7,00		
Cooling	Rated input	kW	2,33		
(A35/W7)		ed input kW each ea	3,00		
			4,95		
Concornal opporture		kW			
efficiency LWT 35°C					
		KVVII			
Seasonal energy	Capacity KW Rated input				
efficiency					
LWT 55°C		kWh	3343		
	Second part W Second part W Second part Secon	A++			
SEER	Rated input	5,34			
SEEK	LWT at 8°C		8,21		
Minimum rated cur	rrent of the overcurrent circuit breaker with breaker type	A	B16		
Compressor	Type		Twin rotary inverter compressor DC		
Fan	Capacity Rated input EER Capacity Rated input EER SCOP(1) Rated heat output Seasonal energy efficiency ratio (r,S) Annual energy consumption Seasonal space heating energy efficiency class(1) SCOP(1) Rated heat output Seasonal energy efficiency ratio (r,S) Annual energy consumption Seasonal space heating energy efficiency class(1) SCOP(1) Rated heat output Seasonal energy efficiency ratio (r,S) Annual energy consumption Seasonal space heating energy efficiency class(1) LWT at 7°C LWT at 7°C LWT at 8°C remet of the overcurrent circuit breaker with breaker type Type Type Quantity Type/GWP Charged (<15m) Liquid / Gas Minimum installation length Maximum installation length Additional amount of refrigerant for over 15 linear meters Outdoor unit above the indoor unit Outdoor unit above the indoor unit				
	-	KW KW KW KW KW KW KW KW			
Refrigerant	1,77	kα			
Kenigerani	Charged (<15m)				
	1::4/6				
Pipe connections					
	-				
Maximum height					
difference	Outdoor unit below the indoor unit	m	20		
Minimal wire pcs ar	nd dimension of cords*	pcs × mm²	3×2,5		
Control cables: indo			2 × 0,75 (shielded cable)		
Bracket spacing			663×375		
Sound pressure lev	ound pressure level ound power level				
Sound pressure level					
Sound power level		mm	1008×426×712		
Sound power level Net dimensions	(W×D×H)				
Sound power level Net dimensions Gross dimensions	(WxDxH) (WxDxH)	mm	1065×485×800		
Sound power level Net dimensions	(W×D×H) (W×D×H) weight	mm kg	1065×485×800 58/63,5		
Sound power level Net dimensions Gross dimensions Net weight/Gross w	(W×D×H) (W×D+H) weight Cooling	mm kg °C	1065×485×800 58/63,5 -5~43		
Sound power level Net dimensions Gross dimensions	(W×D×H) (W*D×H) leght Cooling Heating	mm kg °C	1065×485×800 58/63,5		

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.