

Aquami Split heat pump AQS40X10^[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 5,20



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)



Prepared to create a cascade system



Modbus

Protocol



Specification indoor unit

Model				AQS60X13i R14
EAN Code				5905567602115
Operation modes Surface cooling °C				Heating and cooling
	Surface cooling	cooling		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)	38
	Power supply		V-Hz, Ø	220-240~50, 1f / 380-420~50, 3f
Electric heater	Number of heating	stages / Power	pcs. / kW	3/9
	Maximum running	current	A	13,3
Net dimensions			mm	420 × 270 × 790
Gross dimensions	sions		mm	525 × 360 × 1050
Net weight / Gross v	s weight		kg	37/43
	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	I/min	6
	Water pump head		m	9
	Water pump type			DC
Refrigerant circuit			mm	Φ6,35 (1/4") / Φ15,9 (5/8")
Minimal wire pcs and dimension of cords* pcs >			pcs × mm²	5×2,5
Control cables: indo	or unit to outdoor ur	nit	pcs × mm²	$2 \times 0,75$ (shielded cable)

Specification outdoor unit

Model			AQS40X10 R14
EAN Code			5905567601071
Power supply			220-240-50, If
	Capacity	kW	4.25
Heating		kW	0.82
(A7/W35)	·		5,20
		kW	4.35
Heating		kW	1,14
(A7/W45)			3,80
		kW	4.40
Heating		kW	1,49
(A7/W55)	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 below the indoor unit dimension of cords* pri runit to outdoor unit pri (W×D×H) (W×D×H)	KVV	2,95
		kW	4.50
Cooling		kW	4,50 0,81
(A35/W18)		KVV	5,55
		kW	
Cooling			4,70
(A35/W7)		kW	1,36
			3,45
			4,85
Seasonal energy		kW	5,5
efficiency LWT 35°C		96	191
LWI 35°C		kWh	2351
			A+++
			3,31
Seasonal energy		kW	4,4
efficiency LWT 55°C		96	129,5
		kWh	2742
			A++
SEER			4,99
			7,77
Minimum rated curn	rent of the overcurrent circuit breaker with breaker type	A	B16
Compressor	Туре		Twin rotary inverter compressor DC
Fan	Туре		Brushless DC motor / BLDC
	Quantity		1
	Type/ GWP		R32 / 675
Refrigerant	Charged (<15m)	kg	1,5
		TCO ₂ eq	1,02
	Liquid / Gas	mm	Φ6,35 (1/4") / Φ15,9 (5/8")
Pipe connections	Minimum installation length	m	2
ripe connections	Maximum installation length	m	30
	Additional amount of refrigerant for over 15 linear meters	g/m	20
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 × 2,5
Control cables: indo	trol cables: indoor unit to outdoor unit		2 × 0,75 (shielded cable)
Bracket spacing			663×375
Sound pressure level		dB(A)	44
Sound power level	er level		56
Net dimensions	(W×D×H)	mm	1008×426×712
Gross dimensions	(W×D×H)	mm	1065×485×800
Net weight/Gross we		kg	58/63,5
		°C	-5-43
Operating outdoor	Heating	°C	25-35
temperature	DHW	°C	25-43
		-	

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

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

AQS40X10 [R14] / AQS100T190X1 [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				AQS100T190X1i R14
EAN code				5905567602146
Operation modes				Heating and cooling
	Surface cooling		°C	5-25
Leaving water	Surface heating		°C	25~65
temperature	Surface heating 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 current		A	13,3
Net dimensions		(W×D×H)	mm	600×600×1683
Gross dimensions	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	Water 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	Φ9,52 (3/8") / Φ15,9 (5/8")
	Minimal wire pcs and dimension of cords*			5×2,5
Control cables: indoor ur	it to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)

Specification outdoor unit

Model			AQS40X10 R14		
EAN Code			5905567601071		
			220-240-50, If		
i ower suppry	Capacity	kW	4,25		
Heating	Rated input	kW	0,82		
(A7/W35)	COP	KVV	5,20		
		LAAC			
Heating	Capacity	kW	4,35		
ower supply leating A7/W35) leating A7/W45) leating A7/W45) leating A7/W45) leating A7/W45) cooling A35/W18) cooling A35/W7) leating A35/W7) l	Rated input	kW	1,14		
	COP		3,80		
Heating	Capacity	kW	4,40		
(A7/W55)	Rated input	kW	1,49		
	COP		2,95		
Cooling	Capacity	kW	4,50		
	Rated input	kW	0,81		
(103/11/0)	EER		5,55		
	Capacity	kW	4,70		
	Rated input	kW	1,36		
(MOJ/W/)	EER		3,45		
	SCOP(t)		4.85		
Seasonal energy	Rated heat output	kW	5,5		
	Seasonal energy efficiency ratio (ηS)	96	191		
LWT 35°C	Annual energy consumption	kWh	2351		
	Seasonal space heating energy efficiency class ⁽¹⁾	KVIII	A+++		
	SCOP(1)		3.31		
		1117			
Seasonal energy efficiency	Rated heat output	kW	4,4		
	Seasonal energy efficiency ratio (ηS)	96	129,5		
LWI 55°C	Annual energy consumption	kWh	2742		
	Seasonal space heating energy efficiency class (1)		A++		
SEER	LWT at 7°C		4,99		
	LWT at 8°C		7,77		
Minimum rated curre	ent of the overcurrent circuit breaker with breaker type	A	B16		
Compressor	Туре		Twin rotary inverter compressor DC		
Fan	Туре		Brushless DC motor / BLDC		
raii	Quantity		1		
	Type/ GWP		R32 / 675		
Refrigerant		kg	1,5		
	Charged (<15m)	TCO ₂ eq	1,02		
	Liquid / Gas	mm	Φ6,35 (1/4") / Φ15,9 (5/8")		
	Minimum installation length	m	2		
EER linimum rated curre compressor an efrigerant	Maximum installation length	m	30		
	Additional amount of refrigerant for over 15 linear meters	g/m	20		
Maximum height	Outdoor unit above the indoor unit	m	20		
difference	Outdoor unit below the indoor unit	m	20		
		pcs × mm²	3×2,5		
	nal wire pcs and dimension of cords*		3 × 2,5 2 × 0,75 (shielded cable)		
	ntrol cables: indoor unit to outdoor unit				
	racket spacing		663×375 44		
Sound pressure level Sound power level		dB(A)			
			56		
Net dimensions	(W×D×H)	mm	1008×426×712		
	(W×D×H)	mm	1065×485×800		
Gross dimensions			58/63,5		
	eight	kg			
Gross dimensions Net weight/Gross wei		oC	-5-43		
Gross dimensions	eight				

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

AQS40X10 [R14] / AQS100T240X13i [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				AQ\$100T240X13i R14
EAN code				5905567602153
Operation modes				Heating and cooling
	Surface cooling		°C	5~25
Leaving water	Surface heating		°C	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 we	ight		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
		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	Ф9,52 (3/8") / Ф15,9 (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			AQ\$40X1o R14		
EAN Code			5905567601071		
Power supply			220-240-50, 1f		
	Capacity	kW	4,25		
Heating		kW	0,82		
(A7/W35)			5,20		
	1.7	kW	4,35		
Heating	1 1	kW	1,14		
(A7/W45)		KVV			
			3,80		
Heating	Rated input COP Capacity Rated input COP Capacity Rated input COP Capacity Rated input COP Capacity Rated input COP Rated input COP Rated input COP Rated input EER Capacity Rated input EER Capacity Rated input EER Capacity Rated input Rated input EER SCOP® Rated heat output Seasonal energy efficiency ratio (n/S) Annual energy consumption Seasonal space heating energy efficiency class® SCOP® Rated heat output Seasonal energy efficiency ratio (n/S) Annual energy consumption Seasonal space heating energy efficiency class® SCOP® Rated heat output Seasonal energy efficiency ratio (n/S) Annual energy consumption Seasonal space heating energy efficiency class® SCOP® Rated heat output Seasonal energy efficiency ratio (n/S) Annual energy consumption Seasonal space heating energy efficiency class® Seasonal energy efficie	kW	4,40		
(A7/W55)		kW	1,49		
			2,95		
Cooling		kW	4,50		
(A35/W18)		kW	0,81		
(,	EER		5,55		
	Capacity	kW	4,70		
Cooling	Rated input	kW	1,36		
(A35/W7)			3,45		
			4,85		
Seasonal energy		kW	5,5		
efficiency		96	191		
LWT 35°C		kWh	2351		
		KVVII	A+++		
			3,31		
Seasonal energy		kW	4,4		
efficiency		96	129,5		
LWT 55°C		kWh	2742		
	Seasonal space heating energy efficiency class (1)		A++		
SEER	LWT at 7°C		4,99		
SEEK	LWT at 8°C		7,77		
Minimum rated cur	rent of the overcurrent circuit breaker with breaker type	A	B16		
Compressor	Туре		Twin rotary inverter compressor DC		
			Brushless DC motor / BLDC		
Fan			1		
	-		R32/675		
Refrigerant		kg	1,5		
ricingerone	Charged (<15m)	TCO ₂ eq	1,02		
	Liquid / Cas	mm	Φ6,35 (1/4") / Φ15,9 (5/8")		
		m	2		
Pipe connections					
	-	m	30		
		g/m	20		
Maximum height		m	20		
difference		m	20		
Minimal wire pcs an	pcs and dimension of cords*		3×2,5		
Control cables: indoor unit to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)		
Bracket spacing	ket spacing		663×375		
Sound pressure level		dB(A)	44		
Sound power level	ound power level		56		
Net dimensions	(W×D×H)	mm	1008×426×712		
Gross dimensions		mm	1065×485×800		
Net weight/Gross w		kg	5863.5		
. vec weigi lo di oss W		Ng OC	-5000,5 -5-43		
Operating outdoor		°C	-5-43 -25-35		
Operating outdoor temperature					
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.