

Aquami Split heat pump AQS80X10^[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 5,20



Operating range down to -25°C

-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
Compatible outdoor	unit model			AQS80X1o / AQS100X1o
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	Rated input / Operating current		W/A	9095 / 13,5
Sound power level			dB(A)	42
	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	-		mm	42 0× 270 × 790
Gross dimensions		mm	525 × 360 × 1050	
Net weight / Gross weight		kg	37/43	
	Water connections		inch	R1* external
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Φ25
	Expansion tank	Total volume / Actual volume	1	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			mm	Φ9,52 (3/8") / Φ15,9 (5/8")
Minimal wire pcs and dimension of cords* pcs × m			pcs × mm²	5×2,5
Control cables: indo	Control cables: indoor unit to outdoor unit pcs × mm²		pcs × mm²	2×0.75 (shielded cable)

Specification outdoor unit

Model			AQS80X10 R14		
EAN Code			5905567602061		
Power supply			220-240-50, 1f		
	Capacity	kW	8,30		
Heating (A7/W35)	Rated input	kW	1,60		
(A77VV33)	COP		5,20		
	Capacity	kW	8,20		
Heating (A7/W45)	Rated input	kW	2,08		
(A77VV+3)	COP		3,95		
	Capacity	kW	7,50		
Heating (A7/W55)	Rated input	kW	2,36		
(A//W55)	COP		3,18		
	Capacity	kW	8,40		
Cooling	Rated input	kW	1,66		
(A35/W18)	EER		5,05		
	Capacity	kW	7,40		
Cooling	Rated input	kW	2,19		
(A35/W7)	EER		3,38		
	SCOP ⁽¹⁾		5,21		
Seasonal energy	Rated heat output	kW	8,1		
efficiency	Seasonal energy efficiency ratio (ηS)	96	205.6		
LWT 35°C	Annual energy consumption	kWh	3218		
LWI 33°C	Seasonal space heating energy efficiency class ⁽¹⁾		A+++		
	SCOP ^(f)		3.36		
Seasonal energy	Rated heat output	kW	6,6		
efficiency	Seasonal energy efficiency ratio (ηS)	96	131.6		
LWT 55°C	Annual energy consumption	kWh	4054		
LWT 55°C	Seasonal space heating energy efficiency class (1)		A++		
	LWT at 7°C		5,83		
SEER	LWT at 8°C		8.95		
Minimum rated curr	rent of the overcurrent circuit breaker with breaker type	A	820		
Compressor	Type		Twin rotary inverter compressor DC		
compressor	Type		Brushless DC motor / BLDC		
Fan	Quantity		1		
	Type/ GWP		R32 / 675		
Refrigerant	Charged (<15m)	kg	1.65		
nen gerane	Charged (*15m)	TCO,eq	,,us		
	Liquid / Gas	mm	φ9,52 (3/8") / φ15,9 (5/8")		
	Minimum installation length	m	ر مادی خود و ۱۱ میلی خود و 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	m	20		
difference	Outdoor unit below the indoor unit	m	20		
	nd dimension of cords*	pcs × mm²	20 3×4		
		pcs × mm²	·		
	ontrol cables: indoor unit to outdoor unit		2 × 0,75 (shielded cable) 656×456		
	tracket spacing		656×456 46		
Sound pressure level Sound power level		dB(A)	46		
Net dimensions	(W×D×H)	dB(A)			
		mm	1118×523×865		
Gross dimensions	(W×D×H)	mm	1180×560×890		
		kg	75/89		
Net weight/Gross we					
	Cooling	°C	-5-43		
Net weight/Gross we			-5-43 -25-35 -25-43		

^{1.} Seasonal energy efficiency class measured under average climate conditions.

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 I\(\Delta\nabla\nabla\)? 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

AQS80X10 [[714] / AQS100T190X1 [[714]





















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 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	Water pump head		9
	Water pump head			DC
	DHW tank	Tank material		Stainless steel 316L
		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 din	ension of cords*		pcs × mm²	5×2,5
Control cables: indoor ur	it to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)

Specification outdoor unit

Model			AQ\$80X10 R14
EAN Code			5905567602061
Power supply			220-240-50, If
топст заррту	Capacity	kW	8,30
Heating	Rated input	kW	1,60
(A7/W35)	COP	KVV	5,20
		kW	
Heating	Capacity		8,20
(A7/W45)	Rated input	kW	2,08
	COP		3,95
Heating	Capacity	kW	7,50
Heating A7/W55)	Rated input	kW	2,36
(COP		3,18
	Capacity	kW	8,40
Cooling (A35/W18)	Rated input	kW	1,66
	EER		5,05
	Capacity	kW	7,40
Cooling	Rated input	kW	2,19
(A35/W7)	EER		3,38
	SCOP ⁽¹⁾		5,21
	Rated heat output	kW	8.1 8.1
Seasonal energy efficiency	-	96	205.6
LWT 35°C	Seasonal energy efficiency ratio (ηS)		
EWI 33 C	Annual energy consumption	kWh	3218
	Seasonal space heating energy efficiency class ⁽¹⁾		A+++
	SCOP ⁽¹⁾		3,36
Seasonal energy	Rated heat output	kW	6,6
efficiency	Seasonal energy efficiency ratio (ηS)	96	131,6
LWT 55°C	Annual energy consumption	kWh	4054
	Seasonal space heating energy efficiency class (1)		A++
	LWT at 7°C		5,83
SEER	LWT at 8°C		8,95
Minimum rated cur	rrent of the overcurrent circuit breaker with breaker type	A	B20
Compressor	Туре		Twin rotary inverter compressor DC
	Type		Brushless DC motor / BLDC
Fan	Quantity		Drustiness be intent of black
	Type/ GWP		R32 / 675
0.61	Type/ GWP		
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
	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 ar	nd dimension of cords*	pcs × mm²	3×4
	Control cables: indoor unit to outdoor unit		2 × 0,75 (shielded cable)
Control cables: indi			656×456
	oor arm to oatooor arm	(W×D)	
Bracket spacing		(W×D) dB(A)	46
Bracket spacing Sound pressure lev	vel	(W×D) dB(A)	46
Bracket spacing Sound pressure level	vel	dB(A)	46 59
Bracket spacing Sound pressure level Sound power level Net dimensions	vel (WxD×H)	dB(A)	46 59 1118×523×865
Bracket spacing Sound pressure lev Sound power level Net dimensions Gross dimensions	vel (W×D×H) (W×D×H)	dB(A) mm mm	46 59 1118×523×865 1180×560×890
Bracket spacing Sound pressure level Sound power level Net dimensions	vel (W×D×H) (W×D×H) weight	dB(A) mm mm kg	46 59 1118×523×865 1180×560×890 75/89
Bracket spacing Sound pressure lev Sound power level Net dimensions Gross dimensions Net weight/Gross v	(W×D×H)	dB(A) mm kg oc	46 59 1118×523×865 1180×560×890 75/89 -5-43
Bracket spacing Sound pressure lev Sound power level Net dimensions Gross dimensions	(W×D×H) (W×D×H) (W×D×H) Cooling	dB(A) mm mm kg	46 59 1118×523×865 1180×560×890 75/89

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

AQS80X10^[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				AQS100T240X13i R14
EAN code				5905567602153
Operation modes				Heating and cooling
	Surface cooling		°C	5-25
Leaving water	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	r 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")
Minimal wire pcs and din	nension of cords*		pcs × mm²	5×2,5
Control cables: indoor ur	it to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)

Specification outdoor unit

Model			AQS80X1o R14
EAN Code			5905567602061
Power supply			220-240~50, 1f
	Capacity	kW	8,30
Heating	Rated input	kW	1,60
(A7/W35)	COP		5,20
	Capacity	kW	8,20
Heating	Rated input	kW	2,08
(A7/W45)	COP		3.95
	Capacity	kW	7.50
Heating	Rated input	kW	2,36
(A7/W55)	COP	KVV	3.18
		kW	
Cooling	Capacity		8,40
(A35/W18)	Rated input	kW	1,66
	EER		5,05
Cooling	Capacity	kW	7,40
ooling A35/W7)	Rated input	kW	2,19
	EER		3,38
	SCOP(1)		5,21
Seasonal energy	Rated heat output	kW	8,1
efficiency	Seasonal energy efficiency ratio (ηS)	96	205,6
LWT 35°C	Annual energy consumption	kWh	3218
EWISSC	Seasonal space heating energy efficiency class ⁽¹⁾		A+++
	SCOP(t)		3,36
Seasonal energy	Rated heat output	kW	6,6
Seasonal energy efficiency LWT 55°C	Seasonal energy efficiency ratio (ηS)	96	131,6
LWT 55°C	Annual energy consumption	kWh	4054
LWT 55°C	Seasonal space heating energy efficiency class (1)		A++
	LWT at 7°C		5,83
SEER	LWT at 8°C		8,95
Minimum rated cur	rrent of the overcurrent circuit breaker with breaker type	A	B20
Compressor	Type	^	Twin rotary inverter compressor DC
Compressor			Brushless DC motor / BLDC
Fan	Type		Brusniess DC (1900) 7 ELDC
	Quantity		
- 4.	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
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
	1	pcs × mm²	3×4
	inimal wire pcs and dimension of cords* ontrol cables: indoor unit to outdoor unit		2 × 0.75 (shielded cable)
Bracket spacing			656×456
	racket spacing ound pressure level		46
Sound pressure level		dB(A)	40
Net dimensions			59 1118×523×865
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	
Gross dimensions		mm	1180×560×890
Net weight/Gross w		kg	75/89
iver weight dross w		°C	-5~43
	Cooling		
Operating outdoor temperature	Cooling Heating DHW	°C	-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 cur *The above values apply to supply cables with a maximum length of 20mb. If this value is exceeded, an electrical designer should be consulted.