

Aquami Split heat pump AQS80X10^[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 5,20



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				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
	DHW (tank)		°C	30~60
Power supply			V-Hz, Ø	220-240~50, 1f / 380-420~50, 3f
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 (W×D×H)		mm	42 0× 270 × 790	
Gross dimensions		mm	525 × 360 × 1050	
Net weight / Gross weight		kg	37/43	
Water connections			inch	R1* external
Water circuit	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Φ25
	Expansion tank	Total volume / Actual volume	1	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	10
	Water pump head		m	9
	Water pump type			DC
Refrigerant circuit	circuit Liquid / Gas		mm	Φ9,52 (3/8") / Φ15,9 (5/8")
Minimal wire pcs and	Minimal wire pcs and dimension of cords* pcs ×			5×2,5
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	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		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(I)		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
	Seasonal space heating energy efficiency class ⁽¹⁾		A+++
	SCOP(1)		3.36
C	Rated heat output	kW	66
Seasonal energy efficiency	Seasonal energy efficiency ratio (ηS)	96	131,6
LWT 55°C	Annual energy consumption	kWh	4054
	Seasonal space heating energy efficiency class (1)	KWII	4034 A++
	LWT at 7°C		5.83
SEER	SEER LWT at 1°C		8,95
Minimum rated curr	rent of the overcurrent circuit breaker with breaker type	A	6,75 B20
	Compressor Type		Twin rotary inverter compressor DC
Compressor	Type		Brushless DC motor / BLDC
Fan	Quantity		Drustiess De motor racoc
	Type/ GWP		R32/675
Refrigerant	Charged (<15m)	kg	1,65
Reingerant	Charged (<15III)	TCO,eq	1,11
	Liquid / Gas	mm	Φ9,52 (3/8") / Φ15,9 (5/8")
	Minimum installation length	m	2 φ5,32 (30) (30)
Pipe connections	Maximum installation length	m	30
	Additional amount of refrigerant for over 15 linear meters	g/m	38
Maniana baid	Outdoor unit above the indoor unit	m g/m	20
Maximum height difference			20
difference Outdoor unit below the indoor unit Minimal wire pcs and dimension of cords*		m ncc v mm²	3×4
Minimal wire pcs and dimension of cords* Control cables: indoor unit to outdoor unit		pcs × mm²	
		pcs × mm²	2 × 0,75 (shielded cable)
Bracket spacing Sound pressure level		(W×D)	656×456
Sound pressure level		dB(A)	46
Sound power level Net dimensions (W×D×H)		dB(A)	59
	1 1		1118×523×865
Gross dimensions (W×D×H) Net weight/Gross weight		mm	1180×560×890
		kg	75/89
iver weight di USS Wi		oC	-5~43
	Cooling		
Operating outdoor temperature	Cooling Heating DHW	°C	-25-35 -25-43



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5-YEAR







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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
	DHW (tank)		°C	30-60
Power supply			V-Hz, Ø	220·240-50, 1f/380·420-50, 3f
Rated input / Operating 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	А	13,3
Net dimensions (W×D×F		(W×D×H)	mm	420 × 270 × 790
Gross dimensions			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	Φ25
	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 Type			PHE / plate heat exchanger
	exchanger	Minimum flow	l/min	10
	Water pump head		m	9
	Water pump type			DC
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 unit to outdoor unit pcs × r			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 (A7/W35)	Rated input	kW	2,00
(A//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	kW	2,48
(A35/W7)	EER		3,30
	SCOP(1)		5.19
C	Rated heat output	kW	9,2
Seasonal energy efficiency	Seasonal energy efficiency ratio (ηS)	96	204.8
LWT 35°C	Annual energy consumption	kWh	3644
	Seasonal space heating energy efficiency class ⁽¹⁾	KVIII	A+++
	SCOP(1)		3.49
	Rated heat output	kW	7,7
Seasonal energy efficiency	Seasonal energy efficiency ratio (ηS)	96	135.7
LWT 55°C		kWh	135,7 4567
2111 33 C	Annual energy consumption	KVVII	4307 A++
	Seasonal space heating energy efficiency class (1) LWT at 7°C		598
SEER	LWT at 8°C		***
Minimum antard area	rent of the overcurrent circuit breaker with breaker type	A	8,78 B20
	Compressor Type		Twin rotary inverter compressor DC
Compressor			Brushless DC motor / BLDC
Fan	Type		
	Quantity		1 R32/675
0.61	Type/ GWP		1,65
Refrigerant	Charged (<15m)	kg	
	Liquid / Gas	TCO ₂ eq	1,11
		mm	Φ9,52 (3/8") / Φ15,9 (5/8") 2
Pipe connections	Minimum installation length	m	
	Maximum installation length	m	30
	Additional amount of refrigerant for over 15 linear meters	g/m	38
Maximum height difference	Outdoor unit above the indoor unit	m	20
	Outdoor unit below the indoor unit	m	20
Minimal wire pcs and 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			1118×523×865
	Gross dimensions (W×D×H)		1180×560×890
Gross dimensions	-		75/86
	veight	kg	
Gross dimensions Net weight/Gross we	veight Cooling	°C	-5-43
Gross dimensions	veight		

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, $\Delta T = 5$; A7W45, $\Delta T = 5$; A7W45, $\Delta T = 5$; A7W55 $\Delta T = 8$; 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.