

# Aquami Multi Split heat pump

H100Xm4<sup>[R15]</sup> / AQMS80X1i<sup>[R13]</sup>



## Device features

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|---|--|---|--|--|--|--|--|
| <br>Environmentally friendly refrigerant R32 | <br>Efficient heating                     | <br>Energy efficiency class at 35°C A++      | <br>Energy efficiency class at 55°C A+                      | <br>Maximum COP 4,40                    | <br>Operating range down to -20°C | <br>Supply water temperature of 60°C  | <br>Integrated USB port for updates |
| <br>Energy meter                             | <br>Twin rotary compressor                | <br>Integrated electric heater               | <br>Outdoor unit drip tray heater                           | <br>Compressor crankcase heater         | <br>Indoor unit drip tray         | <br>Easy installation and maintenance | <br>Silent mode                     |
| <br>Compact indoor split unit housing        | <br>Maximum installation length up to 80m | <br>Built-in Wi-Fi module                    | <br>Daily operation schedule                                | <br>Configurable weekly schedules       | <br>Vacation mode                 | <br>Menu in English                   | <br>Multilanguage menu              |
| <br>Dedicated application                    | <br>Disinfection                          | <br>DHW circulation pump operation schedules | <br>Maximum leaving water temperature of 55°C (in DHW mode) | <br>Prepared to create a cascade system | <br>Modbus Protocol               |  |  |

# Specification indoor unit

Indoor unit model				AQMS80X11 R13	
EAN product code				5905567602269	
Compatible outdoor unit model				H100Xm4	
Operating mode				Heating and cooling	
Power supply				V-Hz, Ø	220-240-50, 1f
Nett dimension		(W×D×H)	mm	490 × 918 × 325	
Gross dimension		(W×D×H)	mm	570 × 1055 × 415	
Net weight / Gross weight				kg	56 / 64
Electric heater		Power	kW	3,1	
		Power consumption	A	13,5	
Sound pressure level				dB(A)	32
Sound power level				dB(A)	44
Leaving water temperature		Space heating	°C	25-60	
		DHW (tank)	°C	35-55	
Control cables: indoor unit to outdoor unit				pcs. × mm <sup>2</sup>	4 × 1,5 (shielded cable)

# Specification outdoor unit

Outdoor unit model				H100Xm4 R15	
EAN product code				5905567601675	
Power supply				V-Hz, Ø	220-240-50, 1f
Air-air	Cooling	Capacity	kW	10,89	
		Rated input	kW	3,60	
		EER	W/W	3,01	
	Heating	Capacity	kW	12,03	
		Rated input	W/W	3,00	
		COP	kW	3,71	
	Seasonal cooling	Energy efficiency class		A++	
		Annual energy consumption	kWh	608,00	
		Design load in cooling mode		10,60	
	Seasonal heating	SEER		6,10	
		Energy efficiency class		A+	
		Annual energy consumption	kWh/a	3150	
Design load in heating mode (T <sub>biv</sub> -7°C)		kW	9,00		
SCOP <sup>(1)</sup>			4,00		
Air-water	Heating (A7/W35)	Capacity	kW	8,00	
		Rated input	kW	1,80	
		COP		4,40	
	Heating (A7/W45)	Capacity	kW	8,00	
		Rated input	kW	2,50	
		COP		3,20	
	Heating (A7/W55)	Capacity	kW	8,00	
		Rated input	kW	2,60	
		COP		3,10	
	Seasonal energy efficiency LWT 35°C	SCOP <sup>(1)</sup>		4,45	
		Rated heat output	kW	8,0	
		Seasonal energy efficiency ratio (η <sub>S</sub> )	%	175,12	
		Annual energy consumption	kWh	3712,00	
		Seasonal space heating energy efficiency class <sup>(1)</sup>			A++
	Seasonal energy efficiency LWT 55°C	SCOP <sup>(1)</sup>		2,99	
		Rated heat output	kW	8,0	
		Seasonal energy efficiency ratio (η <sub>S</sub> )	%	156,6	
		Annual energy consumption	kWh	5524	
Seasonal space heating energy efficiency class <sup>(1)</sup>				A+	
Minimum rated current of the overcurrent circuit breaker with breaker type				A	B16
Minimal wire pcs and dimension of cords*				pcs. × mm <sup>2</sup>	3 × 4,0
Control cables: indoor unit to outdoor unit				pcs. × mm <sup>2</sup>	4 × 1,5 (shielded cable)
Compressor		Type	Rotary DC		
Fan		Type	DC		
		Quantity	1		
Refrigerant		Typ	R32		
		GWP	675		
		Charged (up to 30 mb)	kg	2,1	
		TCO <sub>2eq</sub>	1,42		
Pipe connections	Liquid	mm		4 × Ø6,35 / (4×1/4")	
	Gas	mm		3 × Ø9,52 + 1 × Ø12,7 (3 × 3/8" + 1 × 1/2")	
	Minimum installation length	m		3	
	Maximum installation length	m		80	
		Additional amount of refrigerant for over 30 m	g/m	12	
Maximum height difference	Outdoor unit above the indoor unit		m		10
	Outdoor unit below the indoor unit		m		15
Power cables: outdoor unit				pcs. × mm <sup>2</sup>	3 × 4,0
Control cables: indoor unit to outdoor unit				pcs. × mm <sup>2</sup>	4 × 1,5
Spacing brackets		(W×D)	(mm)	673 × 403	
Sound pressure level				dB(A)	63
Sound power level				dB(A)	68
Nett weight		(W×D×H)	mm	946 × 410 × 810	
Gross weight		(W×D×H)	mm	1090 × 500 × 865	
Net weight / Gross weight				kg	68,8 / 75,6
Operating outdoor temperature	Air-to-air	Cooling	°C	-15-50	
		Heating	°C	-20-24	
	Air-to-water	Heating	°C	-20-24	
		Domestic hot water	°C	-20-43	

(1) Seasonal energy efficiency class measured under average climate conditions.

\*The above values apply to supply cables with a maximum length of 20 mb. If this value is exceeded, an electrical designer should be consulted.

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 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 207/02: 2014.