Airwell
Just feel well

Technical parameters

Model(s):	Outdoor unit: AW-YHPSA08-H91 Indoor unit: ODMA-100T-09M22-19/25
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.6	kW	Seasonal space heating energy efficiency	η s	131.5	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	5.84	kW	Tj = -7℃	COPd	2.16	-
Tj = 2℃	Pdh	3.75	kW	Tj = 2℃	COPd	3.30	-
Tj = 7℃	Pdh	2.42	kW	Tj = 7℃	COPd	4.34	-
Tj = 12℃	Pdh	1.39	kW	Tj = 12℃	COPd	5.33	-
Tj = bivalent temperature	Pdh	5.84	kW	Tj = bivalent temperature	COPd	2.16	-
Tj = operating limit	Pdh	4.90	kW	Tj = operating limit	COPd	1.84	-
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15℃	COPd	-	-
Bivalent temperature	T_{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	P_{cych}	-	kW	Cycling interval efficiency	COP_{cyc}	-	-
Degradation co-efficient (**)	C_{dh}	0.9	--	Heating water operating limit temperature	Wtol	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P_{off}	0.014	kW	Rated heat output (**)	P_{sup}	1.69	kW
Standby mode	P_{sb}	0.014	kW				
Thermostat-off mode	P_{to}	0.024	kW	Type of energy input	Electrical		
Crankcase heater mode	P_{ck}	0.000	kW				

Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4030	m^3/h
Sound power level, indoors/outdoors	L_{WA}	42/59	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	Q_{HE}	4056	kWh				

For heat pump combination heater:							
Declared load profile	-			**Water heating energy efficiency**	η_{wh}	-	%
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	AIRWELL RESIDENTIAL S.A.S. - 10 rue du fort de Saint Cyr - 78180 Montigny-le-Bretonneux - France

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

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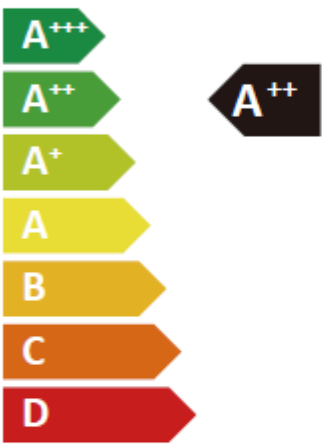

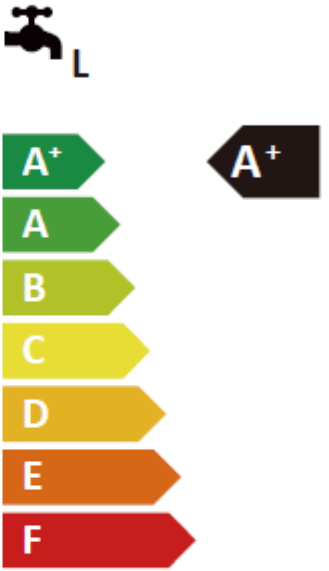

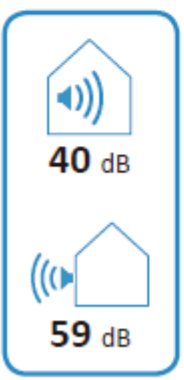

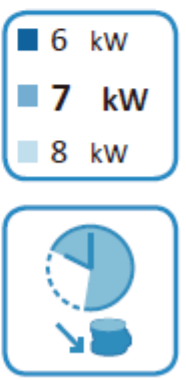

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ODMA-100T-09M22-25

A+++
A++
A+
A
B
C
D

A++

XL

A+
A
B
C
D
E
F

A+

40 dB

59 dB

6 kW
7 kW
8 kW

2019

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