

Technical parameters

Technical parameters															
Model(s):				Outdoor unit: AW-YHPSA14-H93 Indoor unit: AW-WHPSA1216-N93											
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	12.08	kW	Seasonal space heating energy efficiency				η s	135.6	%		
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°C				Pdh	10.68	kW	Tj = -7°C				COPd	2.01	-		
Tj = 2°C				Pdh	6.86	kW	Tj = 2°C				COPd	3.43	-		
Tj = 7°C				Pdh	4.63	kW	Tj = 7°C				COPd	4.66	-		
Tj = 12°C				Pdh	3.31	kW	Tj = 12°C				COPd	6.13	-		
Tj = bivalent temperature				Pdh	10.68	kW	Tj = bivalent temperature				COPd	2.01	-		
Tj = operating limit				Pdh	9.19	kW	Tj = operating limit				COPd	1.76	-		
For air-to-water heat pumps: Tj = -15°C				Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C				COPd	-	-		
Bivalent temperature				Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature				TOL	-10	°C		
Cycling interval capacity for heating				Pcych	-	kW	Cycling interval efficiency				COPcyc	-	-		
Degradation co-efficient (**)				Cdh	0.9	--	Heating water operating limit temperature				Wtol	60	°C		
Power consumption in modes other than active mode						Supplementary heater									
Off mode				Poff	0.020	kW	Rated heat output (**)				Psup	1.40	kW		
Standby mode				Psb	0.020	kW	Type of energy input				Electrical				
Thermostat-off mode				Pto	0.030	kW									
Crankcase heater mode				Pck	0.000	kW									
Other items															
Capacity control				variable		For air-to-water heat pumps: Rated air flow rate, outdoors						-	4060	m³/h	
Sound power level, indoors/outdoors				LWA	43/65	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger						-	-	m³/h
Annual energy consumption				QHE	7203	kWh									
For heat pump combination heater:															
Declared load profile				-		Water heating energy efficiency				ηwh	-	%			
Daily electricity consumption				Qclec	-	kWh	Daily fuel consumption				Qfuel	-	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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Y

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AW-YHPSA14-H93
AW-WHPSA1216-N93



55°C

35°C

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

A⁺⁺

A⁺⁺⁺



43dB



65dB

■ 11

■ 12

■ 14

kW

■ 13

■ 14

■ 12

kW

