

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				Pcyc	-	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		η_{wh}	-	%			
Daily electricity consumption				Qelec	-	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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AW-YHPSA14-H93
AW-WHPSA1216-N93



55°C

35°C



A⁺⁺

A⁺⁺⁺



43dB



65dB

■ 11
■ **12**
■ 14
kW

■ 13
■ **14**
■ 12
kW



2019

811/2013