

Technical parameters													
Model(s):				Outdoor unit: AW-YHPSA04-H91 Indoor unit: AW-WHPSA0406-N91									
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	4.4	kW	Seasonal space heating energy efficiency				$\eta_s$	129.5	%
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°C				Pdh	3.89	kW	Tj = -7°C				COPd	2.17	-
Tj = 2°C				Pdh	2.38	kW	Tj = 2°C				COPd	3.30	-
Tj = 7°C				Pdh	2.94	kW	Tj = 7°C				COPd	4.41	-
Tj = 12°C				Pdh	1.32	kW	Tj = 12°C				COPd	5.66	-
Tj = bivalent temperature				Pdh	3.89	kW	Tj = bivalent temperature				COPd	2.17	-
Tj = operating limit				Pdh	3.42	kW	Tj = operating limit				COPd	1.91	-
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	0.014	kW	Rated heat output (**)				Psup	0.98	kW
Standby mode				Psb	0.014	kW	Type of energy input				Electrical		
Thermostat-off mode				Pto	0.024	kW							
Crankcase heater mode				Pck	0.000	kW							
Other items													
Capacity control				variable			For air-to-water heat pumps: Rated air flow rate, outdoors				-	2770	m³/h
Sound power level, indoors/outdoors				LWA	38/56	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger				-	-	m³/h
Annual energy consumption				QHE	2744	kWh							
For heat pump combination heater:													
Declared load profile				-			Water heating energy efficiency				$\eta_{wh}$	-	%
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-YHPSA04-H91  
AW-WHPSA0406-N91



55°C

35°C



A<sup>++</sup>

A<sup>+++</sup>



38dB



56dB

3  
4  
5  
kW

5  
5  
5  
kW



2019

811/2013