



## Product Fiche

### Alfea Excellia Duo AI11 WOYG112LHT

Model(s):	Alfea Excellia Duo AI11		
Outdoor unit reference:	WOYG112LHT		
Air / water heat pump:	Yes		
Equipped with a backup heater	Yes		
Temperature control	Variable Outlet		
Parameters are declared for:	Low & High temperature applications		
Parameters are declared for:	Average Climate conditions		
Heating applications		<b>35°C</b>	<b>55°C</b>
<b>EN14825 - Space heating</b>			
Energy class (product & package)	-	-	A++ A+
Rated heat output (*)	Prated	kW	11 9
Rated energy efficiency	ns	%	151 112
<b>Declared heat output with a partial load for an indoor temperature of 20°C and an outdoor temp. of Tj</b>			
Tj = -7°C = Bivalent temperature	Pdh	kW	10.00 8.20
Tj = +2°C	Pdh	kW	6.10 5.00
Tj = +7°C	Pdh	kW	6.20 5.90
Tj = + 12 °C	Pdh	kW	7.40 7.00
Tj = bivalent temperature	Pdh	kW	10.00 8.20
Tj = operating temperature	Pdh	kW	10.00 8.00
Degradation coefficient (**)	Cdh	-	0.9
<b>Declared coefficients of performance with a partial load for an indoor temperature of 20°C and an outdoor temp. of Tj</b>			
Tj = -7°C = Bivalent temperature	COPd	-	2.60 1.90
Tj = +2°C	COPd	-	3.70 2.80
Tj = +7°C	COPd	-	5.30 3.80
Tj = + 12 °C	COPd	-	6.90 4.80
Tj = bivalent temperature	COPd	-	2.60 1.90
Tj = operating temperature	COPd	-	2.20 1.70
Operating temperature limit	TOL	°C	-10
Maxoperating temperature	WTOL	°C	60
<b>Backup heater</b>			
Rated heat output (*) (Electric)	Psup	kW	1.3 1.3
Annual Energy consumption	Qhe	kWhr	6062 6623
<b>Electricity consumption in modes</b>			
Shutdown	Poff	W	8
Thermostat	Pto	W	45 22
Standby	Psb	W	12
<b>Acoustic data</b>			
Sound Power Level of Hydraulic unit	Lwa	dB (A)	46
Sound Power Level of Indoor unit	Lwa	dB (A)	69
<b>EN16147- Domestic Hot Water production</b>			
Declared Load profile	-	-	L
Energy class (product & package)	-	-	A
Water Heating efficiency	nwh	%	88
COP			2.25
Annual energy consumption	AEC	kWh	1166
Daily electricity consumption	Qelec	kWh	5.3
Reference Hot Water Temp		°C	54
Standby Heat Loss		kWhr/day	2.12
Actual Volume of Water storage		Litre	190
Volume of Water accounted for in test		Litre	250

The products Listed conform to EN16147 and also comply with EU 814/2013

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