Product Fiche

Logic Air 8kW and 210L Pre-Plumbed Cylinder (2-Zone & Buffer)

Model(s):	Logic Air 8kW and 210L Pre-Plumbed Cylinder (2-Zone & Buffer)			
Outdoor unit reference:	Ideal Logic Air 8kW, AH750666			
Indoor unit reference:	IDEPLUHP210DUOPPDZ, 236209			
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 aplications			**35°C**	**55°C**
EN14825 - Space heating				
Energy class (product & package)	-	-	A+++	A++
Rated heat output (*)	Prated	kW	9.3	9.1
Rated energy efficiency	ns	%	203	145
Annual Energy consumption	Qhe	kWh	3725	5079
Declared heat output with a partial load for an indoor temperature of 20°C and an outdoor temp. of Tj				
Tj = -7°C = Bivalent temperature	Pdh	kW	8.2	8.0
Tj = +2°C	Pdh	kW	5.0	4.9
Tj = +7°C	Pdh	kW	3.9	3.7
Tj = + 12 °C	Pdh	kW	4.5	4.4
Tj = bivalent temperature	Pdh	kW	8.2	8.0
Tj = operating temperature	Pdh	kW	8.0	7.6
Degradation coefficient (**)	Cdh	-	0.97	0.98
Declared coefficients of performance with a partial load for an indoor temperature of 20°C and an outdoor temp. of Tj				
Tj = -7°C = Bivalent temperature	COPd	-	3.24	2.29
Tj = +2°C	COPd	-	5.1	3.6
Tj = +7°C	COPd	-	6.81	4.94
Tj = + 12 °C	COPd	-	8.75	6.6
Tj = bivalent temperature	COPd	-	3.24	2.29
Tj = operating temperature	COPd	-	2.93	2.03
Operating temperature limit	TOL	°C	-10	
Max Operating temperature	WTOL	°C	55	
Backup heater				
Rated heat output (*) (Electric)	Psup	kW	1.3	1.5
Type of energy used	-	-	Electrical	
Electricity consumption in modes				
Shutdown	Poff	W	0.007	
Thermostat	Pto	W	0.015	0.014
Standby	Psb	W	0.01	
Crank case heater	Pck	W	0	0
Acoustic data				
Sound Power Level of Outdoor unit	Lwa	dB (A)	59	
Other Characteristics				
Power control	-	-	Inverter	
Rated air flow rate (outdoors)	-	m^3/h	3580	3580
EN16147- Domestic Hot Water production				
Declared Load profile	-	-	L	
Energy class (product & package)	-	-	A+	
Water Heating efficiency	nwh	%	144.9	
COP			3.36	
Reference Hot Water Temp		°C	56	
Standby Heat Loss		kWhr/day	1.33	
Volume of DHW Storage		Litre	199	
Volume of Water accounted for in test		Litre	240.3	

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

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