Product Fiche

Logic Air 4kW and 210L Pre-Plumbed Cylinder (2-Zone & LLH)

Model(s):	Logic Air 4kW and 210L Pre-Plumbed Cylinder (2-Zone & LLH)			
Outdoor unit reference:	Ideal Logic Air 4kW, AH750664			
Indoor unit reference:	IDEPLUHP210PPLDZ, 236200			
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	4.7	4.4
Rated energy efficiency	ns	%	195	136
Annual Energy consumption	Qhe	kWh	1957	2611
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	4.2	3.9
Tj = +2°C	Pdh	kW	2.7	2.4
Tj = +7°C	Pdh	kW	2.1	2.0
Tj = + 12 °C	Pdh	kW	2.5	2.4
Tj = bivalent temperature	Pdh	kW	4.2	3.9
Tj = operating temperature	Pdh	kW	3.9	3.6
Degradation coefficient (**)	Cdh	-	0.96	0.96
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	-	3.27	2.17
Tj = +2°C	COPd	-	4.87	3.38
Tj = +7°C	COPd	-	6.56	4.69
Tj = + 12 °C	COPd	-	8.61	6.67
Tj = bivalent temperature	COPd	-	3.27	2.17
Tj = operating temperature	COPd	-	2.9	1.89
Operating temperature limit	TOL	°C	-10	
Max Operating temperature	WTOL	°C	60	
Backup heater				
Rated heat output (*) (Electric)	Psup	kW	0.8	0.8
Type of energy used	-	-	Electrical	
Electricity consumption in modes				
Shutdown	Poff	W	0.005	
Thermostat	Pto	W	0.013	0.013
Standby	Psb	W	0.009	
Crank case heater	Pck	W	0	0
Acoustic data				
Sound Power Level of Outdoor unit	Lwa	dB (A)	52	
Other Characteristics				
Power control	-	-	Inverter	
Rated air flow rate (outdoors)	-	m^3/h	3060	3060
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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