

AMICUS LAHP-20HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-20HT		
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		
Parameters are declared for medium temperature applications	55°C		
Parameters are declared for average climate conditions			
Item	Symbol	Value	Unit
Rated heat output	P rated	17	[kW]
T _j = -7 [°C]	P _{dh}	15	[kW]
T _j = 2 [°C]	P _{dh}	9.12	[kW]
T _j = 7 [°C]	P _{dh}	5.93	[kW]
T _j = 12 [°C]	P _{dh}	2.63	[kW]
T _j = -20[°C] operational limit	P _{dh}	11.72	[kW]
Annual energy consumption	Q _{HE}	126.3	GJ
Bivalent temperature	T _{biv}	-7	°C
Power consumption in modes other than active	P _{off}	0.02	[kW]
	P _{to}	0.02	[kW]
	P _{sb}	0.02	[kW]
	P _{ck}	0	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	67	[dB(A)]
Emissions of nitrogen oxides	NO _x	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	η _s	134	[%]
T _j = -7 [°C]	COP _d	2.26	[-]
T _j = 2 [°C]	COP _d	3.37	[-]
T _j = 7 [°C]	COP _d	4.29	[-]
T _j = 12 [°C]	COP _d	5.58	[-]
T _j = -7 [°C]	COP _d	2.26	[-]
T _j = -10 [°C]	COP _d	2.05	[-]
Operating limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COP _{cyc}	4.28	[-]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		7030	[m³/h]

according commission delegated regulation (EU) No 813/2013

ErP data table_LAHP-20HT_february2016



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