

AMICUS LAHP-08HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-08HT		
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	18.6	[kW]
T _j = -7 [°C]	P _{dh}	16.5	[kW]
T _j = 2 [°C]	P _{dh}	10	[kW]
T _j = 7 [°C]	P _{dh}	6.47	[kW]
T _j = 12 [°C]	P _{dh}	2.88	[kW]
T _j = -20[°C] operational limit	P _{dh}	13.3	[kW]
Annual energy consumption	Q _{HE}	68.84	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}	0.08	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	70	[dB(A)]
Emissions of nitrogen oxides	NO _x	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	η _s	115	[%]
T _j = -7 [°C]	COP _d	1.89	[-]
T _j = 2 [°C]	COP _d	2.97	[-]
T _j = 7 [°C]	COP _d	3.87	[-]
T _j = 12 [°C]	COP _d	4.61	[-]
T _j = -7 [°C]	COP _d	1.89	[-]
T _j = -10 [°C]	COP _d	1.69	[-]
Operating limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COP _{cy}	3.75	[-]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		8428	[m ³ /h]

1. according commission delegated regulation (EU) No 813/2013

ErP data table_LAHP-08HT_february2016



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