

# AMICUS LAHP-502HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-502HT		
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	38.3	[kW]
T <sub>j</sub> = -7 [°C]	P <sub>dh</sub>	33.9	[kW]
T <sub>j</sub> = 2 [°C]	P <sub>dh</sub>	20.6	[kW]
T <sub>j</sub> = 7 [°C]	P <sub>dh</sub>	13.3	[kW]
T <sub>j</sub> = 12 [°C]	P <sub>dh</sub>	5.92	[kW]
Annual energy consumption	Q <sub>HE</sub>	285	GJ
Bivalent temperature	T <sub>biv</sub>	-7	°C
Power consumption in modes other than active	P <sub>off</sub>	0.02	[kW]
	P <sub>to</sub>	0.02	[kW]
	P <sub>sb</sub>	0.02	[kW]
	P <sub>ck</sub>	0.14	[kW]
Capacity control	Variable		
Sound power level outdoors	L <sub>wa</sub>	72	[dB(A)]
Emissions of nitrogen oxides	NO <sub>x</sub>	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	η <sub>s</sub>	121	[%]
T <sub>j</sub> = -7 [°C]	COP <sub>d</sub>	2.06	[-]
T <sub>j</sub> = 2 [°C]	COP <sub>d</sub>	3.14	[-]
T <sub>j</sub> = 7 [°C]	COP <sub>d</sub>	3.94	[-]
T <sub>j</sub> = 12 [°C]	COP <sub>d</sub>	4.44	[-]
T <sub>j</sub> = -7 [°C]	COP <sub>d</sub>	2.06	[-]
T <sub>j</sub> = -10 [°C]	COP <sub>d</sub>	1.88	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		14558	[m <sup>3</sup> /h]

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

ErP data table\_LAHP-502HT\_february2016

