

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]
Tj = -7 [°C]	Pdh	33.9	[kW]
Tj = 2 [°C]	Pdh	20.6	[kW]
Tj = 7 [°C]	Pdh	13.3	[kW]
Tj = 12 [°C]	Pdh	5.92	[kW]
Annual energy consumption	QHE	285	GJ
Bivalent temperature	Tbiv	-7	°C
Power consumption in modes other than active	Poff	0.02	[kW]
	Pto	0.02	[kW]
	Psb	0.02	[kW]
	Pck	0.14	[kW]
Capacity control	Variable		
Sound power level outdoors	Lwa	72	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	ηs	121	[%]
Tj = -7 [°C]	COPd	2.06	[-]
Tj = 2 [°C]	COPd	3.14	[-]
Tj = 7 [°C]	COPd	3.94	[-]
Tj = 12 [°C]	COPd	4.44	[-]
Tj = -7 [°C]	COPd	2.06	[-]
Tj = -10 [°C]	COPd	1.88	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		14558	[m³/h]

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

ErP data table_LAHP-502HT_february2016



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