

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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AMICUS LAHP-10HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-10HT		
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

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AMICUS LAHP-15HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-15HT		
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]

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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]

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AMICUS LAHP-252HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-252HT		
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]
Annual energy consumption	Q _{HE}	138	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	-20	[°C]
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-252HT_february2016



AMICUS LAHP-302HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-302HT		
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	23.6	[kW]
T _j = -7 [°C]	P _{dh}	20.9	[kW]
T _j = 2 [°C]	P _{dh}	12.7	[kW]
T _j = 7 [°C]	P _{dh}	8.21	[kW]
T _j = 12 [°C]	P _{dh}	3.65	[kW]
Annual energy consumption	Q _{HE}	175	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	120	[%]
T _j = -7 [°C]	COP _d	1.94	[-]
T _j = 2 [°C]	COP _d	3.11	[-]
T _j = 7 [°C]	COP _d	4	[-]
T _j = 12 [°C]	COP _d	4.74	[-]
T _j = -7 [°C]	COP _d	1.94	[-]
T _j = -10 [°C]	COP _d	1.74	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		9319	[m³/h]

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

ErP data table_LAHP-302HT_february2016



AMICUS LAHP-452HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-452HT		
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	30.5	[kW]
T _j = -7 [°C]	P _{dh}	27	[kW]
T _j = 2 [°C]	P _{dh}	16.4	[kW]
T _j = 7 [°C]	P _{dh}	10.6	[kW]
T _j = 12 [°C]	P _{dh}	4.72	[kW]
Annual energy consumption	Q _{HE}	227	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}	0.14	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	72	[dB(A)]
Emissions of nitrogen oxides	NO _x	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	η _s	117	[%]
T _j = -7 [°C]	COP _d	1.99	[-]
T _j = 2 [°C]	COP _d	3.03	[-]
T _j = 7 [°C]	COP _d	3.86	[-]
T _j = 12 [°C]	COP _d	4.39	[-]
T _j = -7 [°C]	COP _d	1.99	[-]
T _j = -10 [°C]	COP _d	1.8	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		14920	[m ³ /h]

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

ErP data table_LAHP-452HT_february2016



AMICUS LAHP-452HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-452HT		
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	30.5	[kW]
T _j = -7 [°C]	P _{dh}	27	[kW]
T _j = 2 [°C]	P _{dh}	16.4	[kW]
T _j = 7 [°C]	P _{dh}	10.6	[kW]
T _j = 12 [°C]	P _{dh}	4.72	[kW]
Annual energy consumption	Q _{HE}	227	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}	0.14	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	72	[dB(A)]
Emissions of nitrogen oxides	NO _x	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	η _s	117	[%]
T _j = -7 [°C]	COP _d	1.99	[-]
T _j = 2 [°C]	COP _d	3.03	[-]
T _j = 7 [°C]	COP _d	3.86	[-]
T _j = 12 [°C]	COP _d	4.39	[-]
T _j = -7 [°C]	COP _d	1.99	[-]
T _j = -10 [°C]	COP _d	1.8	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		14920	[m ³ /h]

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

ErP data table_LAHP-452HT_february2016



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 _j = -7 [°C]	P _{dh}	33.9	[kW]
T _j = 2 [°C]	P _{dh}	20.6	[kW]
T _j = 7 [°C]	P _{dh}	13.3	[kW]
T _j = 12 [°C]	P _{dh}	5.92	[kW]
Annual energy consumption	Q _{HE}	285	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}	0.14	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	72	[dB(A)]
Emissions of nitrogen oxides	NO _x	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	η _s	121	[%]
T _j = -7 [°C]	COP _d	2.06	[-]
T _j = 2 [°C]	COP _d	3.14	[-]
T _j = 7 [°C]	COP _d	3.94	[-]
T _j = 12 [°C]	COP _d	4.44	[-]
T _j = -7 [°C]	COP _d	2.06	[-]
T _j = -10 [°C]	COP _d	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 ³ /h]

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

ErP data table_LAHP-502HT_february2016



AMICUS LAHP-602HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-602HT		
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	46.9	[kW]
T _j = -7 [°C]	P _{dh}	41.5	[kW]
T _j = 2 [°C]	P _{dh}	25.3	[kW]
T _j = 7 [°C]	P _{dh}	16.3	[kW]
T _j = 12 [°C]	P _{dh}	7.24	[kW]
Annual energy consumption	Q _{HE}	348	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}	0.186	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	74	[dB(A)]
Emissions of nitrogen oxides	NO _x	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	η _s	116	[%]
T _j = -7 [°C]	COP _d	1.88	[-]
T _j = 2 [°C]	COP _d	2.98	[-]
T _j = 7 [°C]	COP _d	3.88	[-]
T _j = 12 [°C]	COP _d	4.48	[-]
T _j = -7 [°C]	COP _d	1.88	[-]
T _j = -10 [°C]	COP _d	1.67	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		29348	[m ³ /h]

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

ErP data table_LAHP-602HT_february2016



AMICUS LAHP-752HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-752HT		
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	52.1	[kW]
T _j = -7 [°C]	P _{dh}	46.1	[kW]
T _j = 2 [°C]	P _{dh}	28.1	[kW]
T _j = 7 [°C]	P _{dh}	18.1	[kW]
T _j = 12 [°C]	P _{dh}	8.04	[kW]
Annual energy consumption	Q _{HE}	387	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}	0.186	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	74	[dB(A)]
Emissions of nitrogen oxides	NO _x	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	η _s	118	[%]
T _j = -7 [°C]	COP _d	1.9	[-]
T _j = 2 [°C]	COP _d	3.03	[-]
T _j = 7 [°C]	COP _d	3.95	[-]
T _j = 12 [°C]	COP _d	4.71	[-]
T _j = -7 [°C]	COP _d	1.9	[-]
T _j = -10 [°C]	COP _d	1.67	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		29339	[m ³ /h]

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

ErP data table_LAHP-752HT_february2016



AMICUS LAHP-852HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-852HT		
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	59.6	[kW]
T _j = -7 [°C]	P _{dh}	52.7	[kW]
T _j = 2 [°C]	P _{dh}	32.1	[kW]
T _j = 7 [°C]	P _{dh}	20.7	[kW]
T _j = 12 [°C]	P _{dh}	9.19	[kW]
Annual energy consumption	Q _{HE}	442	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}	0.186	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	74	[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	1.87	[-]
T _j = 2 [°C]	COP _d	2.96	[-]
T _j = 7 [°C]	COP _d	3.84	[-]
T _j = 12 [°C]	COP _d	4.57	[-]
T _j = -7 [°C]	COP _d	1.87	[-]
T _j = -10 [°C]	COP _d	1.66	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		27272	[m ³ /h]

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

ErP data table_LAHP-852HT_february2016



AMICUS LAHP-852HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-852HT		
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	59.6	[kW]
T _j = -7 [°C]	P _{dh}	52.7	[kW]
T _j = 2 [°C]	P _{dh}	32.1	[kW]
T _j = 7 [°C]	P _{dh}	20.7	[kW]
T _j = 12 [°C]	P _{dh}	9.19	[kW]
Annual energy consumption	Q _{HE}	442	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}	0.186	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	74	[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	1.87	[-]
T _j = 2 [°C]	COP _d	2.96	[-]
T _j = 7 [°C]	COP _d	3.84	[-]
T _j = 12 [°C]	COP _d	4.57	[-]
T _j = -7 [°C]	COP _d	1.87	[-]
T _j = -10 [°C]	COP _d	1.66	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		27272	[m ³ /h]

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

ErP data table_LAHP-852HT_february2016



AMICUS LAHP-852HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-852HT		
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	59.6	[kW]
T _j = -7 [°C]	P _{dh}	52.7	[kW]
T _j = 2 [°C]	P _{dh}	32.1	[kW]
T _j = 7 [°C]	P _{dh}	20.7	[kW]
T _j = 12 [°C]	P _{dh}	9.19	[kW]
Annual energy consumption	Q _{HE}	442	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}	0.186	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	74	[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	1.87	[-]
T _j = 2 [°C]	COP _d	2.96	[-]
T _j = 7 [°C]	COP _d	3.84	[-]
T _j = 12 [°C]	COP _d	4.57	[-]
T _j = -7 [°C]	COP _d	1.87	[-]
T _j = -10 [°C]	COP _d	1.66	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		27272	[m ³ /h]

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

ErP data table_LAHP-852HT_february2016



AMICUS LAHP-1002HT ERP DATA TABLE

according regulations 813/2013

Model	LAHP-1002HT		
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	67.9	[kW]
T _j = -7 [°C]	P _{dh}	60.1	[kW]
T _j = 2 [°C]	P _{dh}	36.6	[kW]
T _j = 7 [°C]	P _{dh}	23.6	[kW]
T _j = 12 [°C]	P _{dh}	10.5	[kW]
Annual energy consumption	Q _{HE}	442	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}	0.186	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	79	[dB(A)]
Emissions of Nitrogen oxides	NO _x	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	η _s	111	[%]
T _j = -7 [°C]	COP _d	1.91	[-]
T _j = 2 [°C]	COP _d	2.79	[-]
T _j = 7 [°C]	COP _d	3.68	[-]
T _j = 12 [°C]	COP _d	4.46	[-]
T _j = -7 [°C]	COP _d	1.91	[-]
T _j = -10 [°C]	COP _d	1.71	[-]
Operating limit temperature	TOL	-20	[°C]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		35830	[m ³ /h]

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

ErP data table_LAHP-1002HT_february2016



AMICUS LAHP-1202HT ERP DATA TABLE

according regulations 811/2013 and 813/2013

Model	LAHP-1202HT		
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	81.71	[kW]
T _j = -7 [°C]	P _{dh}	72.28	[kW]
T _j = 2 [°C]	P _{dh}	43.99	[kW]
T _j = 7 [°C]	P _{dh}	28.37	[kW]
T _j = 12 [°C]	P _{dh}	12.61	[kW]
T _j = -20[°C] operational limit	P _{dh}	72.28	[kW]
Annual energy consumption	Q _{HE}	555	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}	0.186	[kW]
Capacity control	Variable		
Sound power level outdoors	L _{wa}	81	[dB(A)]
Emissions of nitrogen oxides	NO _x	0	[mg/kWh]
Item	Symbol	Value	Unit
Seasonal space heating efficiency	η _s	118.5	[%]
T _j = -7 [°C]	COP _d	2.065	[-]
T _j = 2 [°C]	COP _d	3.015	[-]
T _j = 7 [°C]	COP _d	3.776	[-]
T _j = 12 [°C]	COP _d	4.416	[-]
T _j = -7 [°C]	COP _d	2.065	[-]
T _j = -10 [°C]	COP _d	1.901	[-]
Operating limit temperature	TOL	-10	[°C]
Cycling interval efficiency	COP _{cyc}	3.723	[-]
Heating water operational limit	WTOL	65	[°C]
Supplementary heater rated output	Monovalent		
Rated airflow outdoors		43635	[m³/h]

ErP data table_LAHP-1202HT_October 2019

