

# AMICUS LAHP-1804WW PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-1804WW	
Energy class	N/A		
Water-to-water heat pump	Yes		
Low-temperature heat pump	No		
Supplementary heater	No		
Heat pump combination heater	No		
			Low Temperature
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	222.2	[kW]
Tj = -7 [°C]	Pdh	196.6	[kW]
Tj = 2 [°C]	Pdh	119.7	[kW]
Tj = 7 [°C]	Pdh	76.92	[kW]
Tj = 12 [°C]	Pdh	52.88	[kW]
Tj = -7 [°C]	Pdh	196.6	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Ppsych	-	[kW]
Degradation coefficient	Cdh	0.8612	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.8044	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.328	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/79	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	230.000	[%]
Tj = -7 [°C]	COPd	5.733	[-]
Tj = 2 [°C]	COPd	6.239	[-]
Tj = 7 [°C]	COPd	6.418	[-]
Tj = 12 [°C]	COPd	6.425	[-]
Tj = -7 [°C]	COPd	5.733	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		46.1	[m <sup>3</sup> /h]
Heating energy demand		311102	[kWh]
Total electrical consumption		52290	[kWh]
SCOP		5.95	[-]
Climatic condition		Average	

ErP product fiche\_LAHP-1804WW\_September 2019



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Water-to-water heat pump	Yes		
Low-temperature heat pump	No		
Supplementary heater	No		
Heat pump combination heater	No		
			High Temperature
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	206.3	[kW]
Tj = -7 [°C]	Pdh	182.5	[kW]
Tj = 2 [°C]	Pdh	111.1	[kW]
Tj = 7 [°C]	Pdh	71.42	[kW]
Tj = 12 [°C]	Pdh	51.28	[kW]
Tj = -7 [°C]	Pdh	182.5	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9082	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.4653	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.328	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/79	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	181.000	[%]
Tj = -7 [°C]	COPd	3.847	[-]
Tj = 2 [°C]	COPd	4.873	[-]
Tj = 7 [°C]	COPd	5.431	[-]
Tj = 12 [°C]	COPd	5.884	[-]
Tj = -7 [°C]	COPd	3.847	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		37.47	[m <sup>3</sup> /h]
Heating energy demand		288855	[kWh]
Total electrical consumption		61130	[kWh]
SCOP		4.725	[-]
Climatic condition		Average	