

# AMICUS LAHP-1202WW PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-1202WW	
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	138.1	[kW]
Tj = -7 [°C]	Pdh	122.1	[kW]
Tj = 2 [°C]	Pdh	74.34	[kW]
Tj = 7 [°C]	Pdh	65.07	[kW]
Tj = 12 [°C]	Pdh	65.69	[kW]
Tj = -7 [°C]	Pdh	122.1	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9203	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.57	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.19	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/78	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	229.400	[%]
Tj = -7 [°C]	COPd	5.750	[-]
Tj = 2 [°C]	COPd	6.201	[-]
Tj = 7 [°C]	COPd	6.619	[-]
Tj = 12 [°C]	COPd	6.852	[-]
Tj = -7 [°C]	COPd	5.750	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		28.74	[m <sup>3</sup> /h]
Heating energy demand		193275	[kWh]
Total electrical consumption		32567	[kWh]
SCOP		5.935	[-]
Climatic condition		Average	

ErP product fiche\_LAHP-1202WW\_September 2019



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Energy class	N/A		
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	128.1	[kW]
Tj = -7 [°C]	Pdh	113.3	[kW]
Tj = 2 [°C]	Pdh	68.99	[kW]
Tj = 7 [°C]	Pdh	62.35	[kW]
Tj = 12 [°C]	Pdh	63.62	[kW]
Tj = -7 [°C]	Pdh	113.3	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9493	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.3329	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.19	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/78	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	$\eta_s$	181.500	[%]
Tj = -7 [°C]	COPd	3.882	[-]
Tj = 2 [°C]	COPd	4.888	[-]
Tj = 7 [°C]	COPd	5.529	[-]
Tj = 12 [°C]	COPd	6.139	[-]
Tj = -7 [°C]	COPd	3.882	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		23.41	[m³/h]
Heating energy demand		179383	[kWh]
Total electrical consumption		37867	[kWh]
SCOP		4.737	[-]
Climatic condition		Average	