

# AMICUS LAHP-2304WW PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-2304WW	
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	276.4	[kW]
Tj = -7 [°C]	Pdh	244.5	[kW]
Tj = 2 [°C]	Pdh	148.8	[kW]
Tj = 7 [°C]	Pdh	95.69	[kW]
Tj = 12 [°C]	Pdh	65.87	[kW]
Tj = -7 [°C]	Pdh	244.5	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.8689	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.9386	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.38	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/82	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	232.400	[%]
Tj = -7 [°C]	COPd	5.779	[-]
Tj = 2 [°C]	COPd	6.285	[-]
Tj = 7 [°C]	COPd	6.468	[-]
Tj = 12 [°C]	COPd	6.486	[-]
Tj = -7 [°C]	COPd	5.779	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		57.62	[m³/h]
Heating energy demand		386994	[kWh]
Total electrical consumption		64397	[kWh]
SCOP		6.01	[-]
Climatic condition		Average	

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According regulations 811/2013 and 812/2013

Model		LAHP-2304WW	
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	256.5	[kW]
Tj = -7 [°C]	Pdh	226.9	[kW]
Tj = 2 [°C]	Pdh	138.1	[kW]
Tj = 7 [°C]	Pdh	88.78	[kW]
Tj = 12 [°C]	Pdh	63.88	[kW]
Tj = -7 [°C]	Pdh	226.9	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9137	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.5404	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.38	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/82	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	183.600	[%]
Tj = -7 [°C]	COPd	3.892	[-]
Tj = 2 [°C]	COPd	4.935	[-]
Tj = 7 [°C]	COPd	5.489	[-]
Tj = 12 [°C]	COPd	5.943	[-]
Tj = -7 [°C]	COPd	3.892	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		46.88	[m³/h]
Heating energy demand		359080	[kWh]
Total electrical consumption		74979	[kWh]
SCOP		4.789	[-]
Climatic condition		Average	