

# AMICUS LAHP-402LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-402LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	24.96	[kW]
Tj = -7 [°C]	Pdh	22.08	[kW]
Tj = 2 [°C]	Pdh	17.68	[kW]
Tj = 7 [°C]	Pdh	21.56	[kW]
Tj = 12 [°C]	Pdh	29.26	[kW]
Tj = -7 [°C]	Pdh	22.08	[kW]
Tj = -9 [°C]	Pdh	20.89	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Ppsych	-	[kW]
Degradation coefficient	Cdh	0.9425	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.1467	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.07	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/74	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	150.900	[%]
Tj = -7 [°C]	COPd	2.359	[-]
Tj = 2 [°C]	COPd	3.853	[-]
Tj = 7 [°C]	COPd	5.702	[-]
Tj = 12 [°C]	COPd	7.024	[-]
Tj = -7 [°C]	COPd	2.359	[-]
Tj = -9 [°C]	COPd	2.199	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		15269	[m <sup>3</sup> /h]
Heating energy demand		35043	[kWh]
Total electrical consumption		9108	[kWh]
SCOP		3.848	[-]
Climatic condition		Average	

ErP product fiche\_LAHP-402LT\_September 2019

