

# AMICUS LAHP-5004LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-5004LT	
Energy class	N/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	304.9	[kW]
Tj = -7 [°C]	Pdh	269.8	[kW]
Tj = 2 [°C]	Pdh	164.2	[kW]
Tj = 7 [°C]	Pdh	142.1	[kW]
Tj = 12 [°C]	Pdh	160.1	[kW]
Tj = -7 [°C]	Pdh	269.8	[kW]
Tj = -9 [°C]	Pdh	253.2	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9173	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	1.634	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.4	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/92	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	151.500	[%]
Tj = -7 [°C]	COPd	2.440	[-]
Tj = 2 [°C]	COPd	3.719	[-]
Tj = 7 [°C]	COPd	5.484	[-]
Tj = 12 [°C]	COPd	6.717	[-]
Tj = -7 [°C]	COPd	2.440	[-]
Tj = -9 [°C]	COPd	2.273	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		140846	[m³/h]
Heating energy demand		427969	[kWh]
Total electrical consumption		110801	[kWh]
SCOP		3.863	[-]
Climatic condition		Average	

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