

# AMICUS LAHP-452LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-452LT	
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	33.87	[kW]
Tj = -7 [°C]	Pdh	29.96	[kW]
Tj = 2 [°C]	Pdh	22.68	[kW]
Tj = 7 [°C]	Pdh	26.86	[kW]
Tj = 12 [°C]	Pdh	36.33	[kW]
Tj = -7 [°C]	Pdh	29.96	[kW]
Tj = -9 [°C]	Pdh	28.73	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcyc	-	[kW]
Degradation coefficient	Cdh	0.946	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.1726	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.088	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/75	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	151.100	[%]
Tj = -7 [°C]	COPd	2.347	[-]
Tj = 2 [°C]	COPd	3.896	[-]
Tj = 7 [°C]	COPd	5.544	[-]
Tj = 12 [°C]	COPd	6.697	[-]
Tj = -7 [°C]	COPd	2.347	[-]
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		16957	[m³/h]
Heating energy demand		47421	[kWh]
Total electrical consumption		12311	[kWh]
SCOP		3.852	[-]
Climatic condition		Average	

ErP product fiche\_LAHP-452LT\_September 2019

