

AMICUS LAHP-502LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-502LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbo l	Value	Units of measurement
Rated heat output	Prated	32.62	[kW]
Tj = -7 [°C]	Pdh	28.85	[kW]
Tj = 2 [°C]	Pdh	24.41	[kW]
Tj = 7 [°C]	Pdh	29.92	[kW]
Tj = 12 [°C]	Pdh	34.38	[kW]
Tj = -7 [°C]	Pdh	28.85	[kW]
Tj = -9 [°C]	Pdh	27.1	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcyh	-	[kW]
Degradation coefficient	Cdh	0.9404	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.1522	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.132	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/76	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency (regulations limit)	ηs	154.3 (125.0)	[%]
Tj = -7 [°C]	COPd	2.363	[-]
Tj = 2 [°C]	COPd	4.055	[-]
Tj = 7 [°C]	COPd	5.730	[-]
Tj = 12 [°C]	COPd	7.191	[-]
Tj = -7 [°C]	COPd	2.363	[-]
Tj = -9 [°C]	COPd	2.198	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcy c	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		17256	[m³/h]
Heating energy demand		45664	[kWh]
Total electrical consumption		11614	[kWh]
SCOP		3.932	[-]
Climatic condition		Average	

ErP product fiche_LAHP-502LT_September 2019



Lombard Way, The MXL Centre, Banbury, Oxon, OX16 4TJ

Tel: +44(0) 1295 269 981, Fax: +44(0) 1295 271 640, Email: info@lochinvar.ltd.uk

www.lochinvar.ltd.uk