

AMICUS LAHP-1402WW PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-1402WW	
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	170.9	[kW]
Tj = -7 [°C]	Pdh	151.2	[kW]
Tj = 2 [°C]	Pdh	92.03	[kW]
Tj = 7 [°C]	Pdh	80.57	[kW]
Tj = 12 [°C]	Pdh	81.41	[kW]
Tj = -7 [°C]	Pdh	151.2	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9262	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.6629	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.19	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/79	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	235.600	[%]
Tj = -7 [°C]	COPd	5.880	[-]
Tj = 2 [°C]	COPd	6.346	[-]
Tj = 7 [°C]	COPd	6.709	[-]
Tj = 12 [°C]	COPd	7.003	[-]
Tj = -7 [°C]	COPd	5.880	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		35.7	[m ³ /h]
Heating energy demand		239285	[kWh]
Total electrical consumption		39286	[kWh]
SCOP		6.091	[-]
Climatic condition		Average	

ErP product fiche_LAHP-1402WW_September 2019



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Model		LAHP-1402WW	
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	158.2	[kW]
Tj = -7 [°C]	Pdh	139.9	[kW]
Tj = 2 [°C]	Pdh	85.17	[kW]
Tj = 7 [°C]	Pdh	77.02	[kW]
Tj = 12 [°C]	Pdh	78.65	[kW]
Tj = -7 [°C]	Pdh	139.9	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9543	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.3854	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.19	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/79	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	η_s	186.100	[%]
Tj = -7 [°C]	COPd	3.947	[-]
Tj = 2 [°C]	COPd	4.973	[-]
Tj = 7 [°C]	COPd	5.680	[-]
Tj = 12 [°C]	COPd	6.219	[-]
Tj = -7 [°C]	COPd	3.947	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		29.05	[m ³ /h]
Heating energy demand		221451	[kWh]
Total electrical consumption		45637	[kWh]
SCOP		4.852	[-]
Climatic condition		Average	