

AMICUS LAHP-302WW PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-302WW	
Energy class	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	42.64	[kW]
Tj = -7 [°C]	Pdh	37.72	[kW]
Tj = 2 [°C]	Pdh	22.96	[kW]
Tj = 7 [°C]	Pdh	20.25	[kW]
Tj = 12 [°C]	Pdh	20.37	[kW]
Tj = -7 [°C]	Pdh	37.72	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.8875	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.2014	[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	0/0	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	220.200	[%]
Tj = -7 [°C]	COPd	5.776	[-]
Tj = 2 [°C]	COPd	6.246	[-]
Tj = 7 [°C]	COPd	6.577	[-]
Tj = 12 [°C]	COPd	6.824	[-]
Tj = -7 [°C]	COPd	5.776	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		8.891	[m³/h]
Heating energy demand		59694	[kWh]
Total electrical consumption		10463	[kWh]
SCOP		5.705	[-]
Climatic condition		Average	

ErP product fiche_LAHP-302WW_September 2019



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Supplementary heater	No		
Heat pump combination heater	No		
High Temperature			
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	38.9	[kW]
Tj = -7 [°C]	Pdh	34.41	[kW]
Tj = 2 [°C]	Pdh	19.06	[kW]
Tj = 7 [°C]	Pdh	19.46	[kW]
Tj = 12 [°C]	Pdh	19.81	[kW]
Tj = -7 [°C]	Pdh	34.41	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9242	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.1116	[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	0/0	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	176.900	[%]
Tj = -7 [°C]	COPd	3.784	[-]
Tj = 2 [°C]	COPd	5.048	[-]
Tj = 7 [°C]	COPd	5.579	[-]
Tj = 12 [°C]	COPd	6.130	[-]
Tj = -7 [°C]	COPd	3.784	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		6.96	[m³/h]
Heating energy demand		54459	[kWh]
Total electrical consumption		11780	[kWh]
SCOP		4.623	[-]
Climatic condition		Average	