

AMICUS LAHP-702WW PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-702WW	
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	85.65	[kW]
Tj = -7 [°C]	Pdh	75.76	[kW]
Tj = 2 [°C]	Pdh	46.12	[kW]
Tj = 7 [°C]	Pdh	40.96	[kW]
Tj = 12 [°C]	Pdh	41.3	[kW]
Tj = -7 [°C]	Pdh	75.76	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9227	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.3369	[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	224.500	[%]
Tj = -7 [°C]	COPd	5.621	[-]
Tj = 2 [°C]	COPd	6.128	[-]
Tj = 7 [°C]	COPd	6.456	[-]
Tj = 12 [°C]	COPd	6.751	[-]
Tj = -7 [°C]	COPd	5.621	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		17.72	[m³/h]
Heating energy demand		119906	[kWh]
Total electrical consumption		20625	[kWh]
SCOP		5.814	[-]
Climatic condition		Average	

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According regulations 811/2013 and 812/2013

Model		LAHP-702WW	
Energy class	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	78.95	[kW]
Tj = -7 [°C]	Pdh	69.84	[kW]
Tj = 2 [°C]	Pdh	38.42	[kW]
Tj = 7 [°C]	Pdh	39.18	[kW]
Tj = 12 [°C]	Pdh	39.91	[kW]
Tj = -7 [°C]	Pdh	69.84	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9516	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.1845	[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	182.200	[%]
Tj = -7 [°C]	COPd	3.788	[-]
Tj = 2 [°C]	COPd	5.012	[-]
Tj = 7 [°C]	COPd	5.557	[-]
Tj = 12 [°C]	COPd	6.056	[-]
Tj = -7 [°C]	COPd	3.788	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		14.16	[m³/h]
Heating energy demand		110531	[kWh]
Total electrical consumption		23242	[kWh]
SCOP		4.756	[-]
Climatic condition		Average	