

# AMICUS LAHP-2604WW PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-2604WW	
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	341.9	[kW]
Tj = -7 [°C]	Pdh	302.5	[kW]
Tj = 2 [°C]	Pdh	184.1	[kW]
Tj = 7 [°C]	Pdh	118.4	[kW]
Tj = 12 [°C]	Pdh	81.59	[kW]
Tj = -7 [°C]	Pdh	302.5	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.8838	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	1.023	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.38	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/82	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	239.900	[%]
Tj = -7 [°C]	COPd	5.914	[-]
Tj = 2 [°C]	COPd	6.445	[-]
Tj = 7 [°C]	COPd	6.652	[-]
Tj = 12 [°C]	COPd	6.695	[-]
Tj = -7 [°C]	COPd	5.914	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		71.45	[m <sup>3</sup> /h]
Heating energy demand		478719	[kWh]
Total electrical consumption		77243	[kWh]
SCOP		6.198	[-]
Climatic condition		Average	

ErP product fiche\_LAHP-2604WW\_September 2019



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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	316.5	[kW]
Tj = -7 [°C]	Pdh	280	[kW]
Tj = 2 [°C]	Pdh	170.4	[kW]
Tj = 7 [°C]	Pdh	109.6	[kW]
Tj = 12 [°C]	Pdh	78.98	[kW]
Tj = -7 [°C]	Pdh	280	[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	0.5895	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.38	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/82	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	$\eta_s$	188.300	[%]
Tj = -7 [°C]	COPd	3.958	[-]
Tj = 2 [°C]	COPd	5.027	[-]
Tj = 7 [°C]	COPd	5.624	[-]
Tj = 12 [°C]	COPd	6.121	[-]
Tj = -7 [°C]	COPd	3.958	[-]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	80	[°C]
Rated water flow rate		58.15	[m³/h]
Heating energy demand		443130	[kWh]
Total electrical consumption		90285	[kWh]
SCOP		4.908	[-]
Climatic condition		Average	