

AMICUS LAHP-252LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-252LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	14.86	[kW]
Tj = -7 [°C]	Pdh	13.14	[kW]
Tj = 2 [°C]	Pdh	10.71	[kW]
Tj = 7 [°C]	Pdh	13.24	[kW]
Tj = 12 [°C]	Pdh	19.04	[kW]
Tj = -7 [°C]	Pdh	13.14	[kW]
Tj = -9 [°C]	Pdh	12.46	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9297	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.09634	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.07	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/73	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	150.100	[%]
Tj = -7 [°C]	COPd	2.311	[-]
Tj = 2 [°C]	COPd	3.931	[-]
Tj = 7 [°C]	COPd	5.767	[-]
Tj = 12 [°C]	COPd	6.910	[-]
Tj = -7 [°C]	COPd	2.311	[-]
Tj = -9 [°C]	COPd	2.171	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		7363	[m³/h]
Heating energy demand		20859	[kWh]
Total electrical consumption		5449	[kWh]
SCOP		3.828	[-]
Climatic condition		Average	

ErP product fiche_LAHP-252LT_September 2019



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AMICUS LAHP-302LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-302LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	19.82	[kW]
Tj = -7 [°C]	Pdh	17.53	[kW]
Tj = 2 [°C]	Pdh	14.48	[kW]
Tj = 7 [°C]	Pdh	17.48	[kW]
Tj = 12 [°C]	Pdh	22.29	[kW]
Tj = -7 [°C]	Pdh	17.53	[kW]
Tj = -9 [°C]	Pdh	16.58	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9289	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.1525	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.07	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/74	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	151.400	[%]
Tj = -7 [°C]	COPd	2.401	[-]
Tj = 2 [°C]	COPd	4.041	[-]
Tj = 7 [°C]	COPd	5.548	[-]
Tj = 12 [°C]	COPd	6.597	[-]
Tj = -7 [°C]	COPd	2.401	[-]
Tj = -9 [°C]	COPd	2.245	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		8612	[m ³ /h]
Heating energy demand		27827	[kWh]
Total electrical consumption		7209	[kWh]
SCOP		3.86	[-]
Climatic condition		Average	

ErP product fiche_LAHP-302LT_September 2019



AMICUS LAHP-402LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-402LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	24.96	[kW]
Tj = -7 [°C]	Pdh	22.08	[kW]
Tj = 2 [°C]	Pdh	17.68	[kW]
Tj = 7 [°C]	Pdh	21.56	[kW]
Tj = 12 [°C]	Pdh	29.26	[kW]
Tj = -7 [°C]	Pdh	22.08	[kW]
Tj = -9 [°C]	Pdh	20.89	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Ppsych	-	[kW]
Degradation coefficient	Cdh	0.9425	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.1467	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.07	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/74	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	150.900	[%]
Tj = -7 [°C]	COPd	2.359	[-]
Tj = 2 [°C]	COPd	3.853	[-]
Tj = 7 [°C]	COPd	5.702	[-]
Tj = 12 [°C]	COPd	7.024	[-]
Tj = -7 [°C]	COPd	2.359	[-]
Tj = -9 [°C]	COPd	2.199	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		15269	[m ³ /h]
Heating energy demand		35043	[kWh]
Total electrical consumption		9108	[kWh]
SCOP		3.848	[-]
Climatic condition		Average	

ErP product fiche_LAHP-402LT_September 2019



AMICUS LAHP-452LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-452LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	33.87	[kW]
Tj = -7 [°C]	Pdh	29.96	[kW]
Tj = 2 [°C]	Pdh	22.68	[kW]
Tj = 7 [°C]	Pdh	26.86	[kW]
Tj = 12 [°C]	Pdh	36.33	[kW]
Tj = -7 [°C]	Pdh	29.96	[kW]
Tj = -9 [°C]	Pdh	28.73	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcyh	-	[kW]
Degradation coefficient	Cdh	0.946	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.1726	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.088	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/75	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	151.100	[%]
Tj = -7 [°C]	COPd	2.347	[-]
Tj = 2 [°C]	COPd	3.896	[-]
Tj = 7 [°C]	COPd	5.544	[-]
Tj = 12 [°C]	COPd	6.697	[-]
Tj = -7 [°C]	COPd	2.347	[-]
Tj = -9 [°C]	COPd	2.199	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		16957	[m ³ /h]
Heating energy demand		47421	[kWh]
Total electrical consumption		12311	[kWh]
SCOP		3.852	[-]
Climatic condition		Average	

ErP product fiche_LAHP-452LT_September 2019



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)	η_s	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	[m ³ /h]
Heating energy demand		45664	[kWh]
Total electrical consumption		11614	[kWh]
SCOP		3.932	[-]
Climatic condition		Average	

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AMICUS LAHP-602LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-602LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	39.44	[kW]
Tj = -7 [°C]	Pdh	34.89	[kW]
Tj = 2 [°C]	Pdh	28.99	[kW]
Tj = 7 [°C]	Pdh	34.64	[kW]
Tj = 12 [°C]	Pdh	38.74	[kW]
Tj = -7 [°C]	Pdh	34.89	[kW]
Tj = -9 [°C]	Pdh	32.7	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9237	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.2054	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[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	ηs	162.000	[%]
Tj = -7 [°C]	COPd	2.545	[-]
Tj = 2 [°C]	COPd	4.332	[-]
Tj = 7 [°C]	COPd	5.955	[-]
Tj = 12 [°C]	COPd	7.132	[-]
Tj = -7 [°C]	COPd	2.545	[-]
Tj = -9 [°C]	COPd	2.341	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		17189	[m ³ /h]
Heating energy demand		55333	[kWh]
Total electrical consumption		13414	[kWh]
SCOP		4.125	[-]
Climatic condition		Average	

ErP product fiche_LAHP-602LT_September 2019



AMICUS LAHP-702LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-702LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	43.53	[kW]
Tj = -7 [°C]	Pdh	38.51	[kW]
Tj = 2 [°C]	Pdh	32.08	[kW]
Tj = 7 [°C]	Pdh	38.92	[kW]
Tj = 12 [°C]	Pdh	43.77	[kW]
Tj = -7 [°C]	Pdh	38.51	[kW]
Tj = -9 [°C]	Pdh	36.03	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9309	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.2229	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/77	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	158.400	[%]
Tj = -7 [°C]	COPd	2.513	[-]
Tj = 2 [°C]	COPd	4.187	[-]
Tj = 7 [°C]	COPd	5.848	[-]
Tj = 12 [°C]	COPd	7.021	[-]
Tj = -7 [°C]	COPd	2.513	[-]
Tj = -9 [°C]	COPd	2.316	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		18043	[m ³ /h]
Heating energy demand		60947	[kWh]
Total electrical consumption		15103	[kWh]
SCOP		4.035	[-]
Climatic condition		Average	

ErP product fiche_LAHP-702LT_September 2019



AMICUS LAHP-802LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-802LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	48.8	[kW]
Tj = -7 [°C]	Pdh	43.17	[kW]
Tj = 2 [°C]	Pdh	35.23	[kW]
Tj = 7 [°C]	Pdh	43.36	[kW]
Tj = 12 [°C]	Pdh	48.76	[kW]
Tj = -7 [°C]	Pdh	43.17	[kW]
Tj = -9 [°C]	Pdh	40.03	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9411	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.2199	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/78	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	155.800	[%]
Tj = -7 [°C]	COPd	2.557	[-]
Tj = 2 [°C]	COPd	4.109	[-]
Tj = 7 [°C]	COPd	5.717	[-]
Tj = 12 [°C]	COPd	6.744	[-]
Tj = -7 [°C]	COPd	2.557	[-]
Tj = -9 [°C]	COPd	2.333	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		19257	[m ³ /h]
Heating energy demand		67617	[kWh]
Total electrical consumption		17032	[kWh]
SCOP		3.97	[-]
Climatic condition		Average	

ErP product fiche_LAHP-802LT_September 2019



AMICUS LAHP-802LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-802LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	48.8	[kW]
Tj = -7 [°C]	Pdh	43.17	[kW]
Tj = 2 [°C]	Pdh	35.23	[kW]
Tj = 7 [°C]	Pdh	43.36	[kW]
Tj = 12 [°C]	Pdh	48.76	[kW]
Tj = -7 [°C]	Pdh	43.17	[kW]
Tj = -9 [°C]	Pdh	40.03	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9411	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.2199	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/78	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	155.800	[%]
Tj = -7 [°C]	COPd	2.557	[-]
Tj = 2 [°C]	COPd	4.109	[-]
Tj = 7 [°C]	COPd	5.717	[-]
Tj = 12 [°C]	COPd	6.744	[-]
Tj = -7 [°C]	COPd	2.557	[-]
Tj = -9 [°C]	COPd	2.333	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		19257	[m ³ /h]
Heating energy demand		67617	[kWh]
Total electrical consumption		17032	[kWh]
SCOP		3.97	[-]
Climatic condition		Average	

ErP product fiche_LAHP-802LT_September 2019



AMICUS LAHP-902LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-902LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	61.39	[kW]
Tj = -7 [°C]	Pdh	54.31	[kW]
Tj = 2 [°C]	Pdh	44.32	[kW]
Tj = 7 [°C]	Pdh	53.39	[kW]
Tj = 12 [°C]	Pdh	60.79	[kW]
Tj = -7 [°C]	Pdh	54.31	[kW]
Tj = -9 [°C]	Pdh	51.35	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9382	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.3246	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[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	151.700	[%]
Tj = -7 [°C]	COPd	2.453	[-]
Tj = 2 [°C]	COPd	3.847	[-]
Tj = 7 [°C]	COPd	5.717	[-]
Tj = 12 [°C]	COPd	7.202	[-]
Tj = -7 [°C]	COPd	2.453	[-]
Tj = -9 [°C]	COPd	2.302	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		35237	[m ³ /h]
Heating energy demand		85797	[kWh]
Total electrical consumption		22184	[kWh]
SCOP		3.868	[-]
Climatic condition		Average	

ErP product fiche_LAHP-902LT_September 2019



AMICUS LAHP-1002LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP1002LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	68.19	[kW]
Tj = -7 [°C]	Pdh	60.32	[kW]
Tj = 2 [°C]	Pdh	44.33	[kW]
Tj = 7 [°C]	Pdh	53.52	[kW]
Tj = 12 [°C]	Pdh	60.99	[kW]
Tj = -7 [°C]	Pdh	60.32	[kW]
Tj = -9 [°C]	Pdh	56.13	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9295	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.3999	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/83	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	150.800	[%]
Tj = -7 [°C]	COPd	2.414	[-]
Tj = 2 [°C]	COPd	3.789	[-]
Tj = 7 [°C]	COPd	5.686	[-]
Tj = 12 [°C]	COPd	7.204	[-]
Tj = -7 [°C]	COPd	2.414	[-]
Tj = -9 [°C]	COPd	2.219	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		36998	[m ³ /h]
Heating energy demand		95664	[kWh]
Total electrical consumption		24880	[kWh]
SCOP		3.845	[-]
Climatic condition		Average	

ErP product fiche_LAHP-1002LT_September 2019



AMICUS LAHP-1002LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP1002LT	
Energy class	A++		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	68.19	[kW]
Tj = -7 [°C]	Pdh	60.32	[kW]
Tj = 2 [°C]	Pdh	44.33	[kW]
Tj = 7 [°C]	Pdh	53.52	[kW]
Tj = 12 [°C]	Pdh	60.99	[kW]
Tj = -7 [°C]	Pdh	60.32	[kW]
Tj = -9 [°C]	Pdh	56.13	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9295	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.3999	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/83	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	150.800	[%]
Tj = -7 [°C]	COPd	2.414	[-]
Tj = 2 [°C]	COPd	3.789	[-]
Tj = 7 [°C]	COPd	5.686	[-]
Tj = 12 [°C]	COPd	7.204	[-]
Tj = -7 [°C]	COPd	2.414	[-]
Tj = -9 [°C]	COPd	2.219	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		36998	[m ³ /h]
Heating energy demand		95664	[kWh]
Total electrical consumption		24880	[kWh]
SCOP		3.845	[-]
Climatic condition		Average	

ErP product fiche_LAHP-1002LT_September 2019



AMICUS LAHP-1202LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-1202LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	74.49	[kW]
Tj = -7 [°C]	Pdh	65.89	[kW]
Tj = 2 [°C]	Pdh	56.01	[kW]
Tj = 7 [°C]	Pdh	68.84	[kW]
Tj = 12 [°C]	Pdh	78.8	[kW]
Tj = -7 [°C]	Pdh	65.89	[kW]
Tj = -9 [°C]	Pdh	62.09	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9408	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.4769	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/85	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	150.200	[%]
Tj = -7 [°C]	COPd	2.366	[-]
Tj = 2 [°C]	COPd	3.845	[-]
Tj = 7 [°C]	COPd	5.658	[-]
Tj = 12 [°C]	COPd	7.084	[-]
Tj = -7 [°C]	COPd	2.366	[-]
Tj = -9 [°C]	COPd	2.220	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		38932	[m³/h]
Heating energy demand		104490	[kWh]
Total electrical consumption		27282	[kWh]
SCOP		3.83	[-]
Climatic condition		Average	

ErP product fiche_LAHP-1202LT_September 2019



AMICUS LAHP-1402LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-1402LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	89.01	[kW]
Tj = -7 [°C]	Pdh	78.74	[kW]
Tj = 2 [°C]	Pdh	58	[kW]
Tj = 7 [°C]	Pdh	70.44	[kW]
Tj = 12 [°C]	Pdh	80.82	[kW]
Tj = -7 [°C]	Pdh	78.74	[kW]
Tj = -9 [°C]	Pdh	72.78	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9414	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.4527	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/86	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	151.000	[%]
Tj = -7 [°C]	COPd	2.420	[-]
Tj = 2 [°C]	COPd	3.735	[-]
Tj = 7 [°C]	COPd	5.701	[-]
Tj = 12 [°C]	COPd	7.250	[-]
Tj = -7 [°C]	COPd	2.420	[-]
Tj = -9 [°C]	COPd	2.203	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		52166	[m ³ /h]
Heating energy demand		125002	[kWh]
Total electrical consumption		32468	[kWh]
SCOP		3.85	[-]
Climatic condition		Average	

ErP product fiche_LAHP-1402LT_September 2019



AMICUS LAHP-1602LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP1602LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	98.1	[kW]
Tj = -7 [°C]	Pdh	86.78	[kW]
Tj = 2 [°C]	Pdh	71.5	[kW]
Tj = 7 [°C]	Pdh	86.04	[kW]
Tj = 12 [°C]	Pdh	97.86	[kW]
Tj = -7 [°C]	Pdh	86.78	[kW]
Tj = -9 [°C]	Pdh	80.37	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9509	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.486	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/87	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	151.300	[%]
Tj = -7 [°C]	COPd	2.429	[-]
Tj = 2 [°C]	COPd	3.828	[-]
Tj = 7 [°C]	COPd	5.582	[-]
Tj = 12 [°C]	COPd	6.968	[-]
Tj = -7 [°C]	COPd	2.429	[-]
Tj = -9 [°C]	COPd	2.220	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		54174	[m ³ /h]
Heating energy demand		137400	[kWh]
Total electrical consumption		35619	[kWh]
SCOP		3.858	[-]
Climatic condition		Average	

ErP product fiche_LAHP-1602LT_September 2019



AMICUS LAHP-1802LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-1802LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	110.1	[kW]
Tj = -7 [°C]	Pdh	97.37	[kW]
Tj = 2 [°C]	Pdh	71.48	[kW]
Tj = 7 [°C]	Pdh	85.93	[kW]
Tj = 12 [°C]	Pdh	97.86	[kW]
Tj = -7 [°C]	Pdh	97.37	[kW]
Tj = -9 [°C]	Pdh	90.36	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9475	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.5386	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/87	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	150.900	[%]
Tj = -7 [°C]	COPd	2.385	[-]
Tj = 2 [°C]	COPd	3.797	[-]
Tj = 7 [°C]	COPd	5.543	[-]
Tj = 12 [°C]	COPd	6.924	[-]
Tj = -7 [°C]	COPd	2.385	[-]
Tj = -9 [°C]	COPd	2.180	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		57267	[m ³ /h]
Heating energy demand		154373	[kWh]
Total electrical consumption		40123	[kWh]
SCOP		3.848	[-]
Climatic condition		Average	

ErP product fiche_LAHP-1802LT_September 2019



AMICUS LAHP-2002LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-2002LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	120.3	[kW]
Tj = -7 [°C]	Pdh	106.4	[kW]
Tj = 2 [°C]	Pdh	89.33	[kW]
Tj = 7 [°C]	Pdh	109.7	[kW]
Tj = 12 [°C]	Pdh	125.2	[kW]
Tj = -7 [°C]	Pdh	106.4	[kW]
Tj = -9 [°C]	Pdh	100.7	[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	0.6409	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/87	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	150.400	[%]
Tj = -7 [°C]	COPd	2.338	[-]
Tj = 2 [°C]	COPd	3.815	[-]
Tj = 7 [°C]	COPd	5.608	[-]
Tj = 12 [°C]	COPd	6.964	[-]
Tj = -7 [°C]	COPd	2.338	[-]
Tj = -9 [°C]	COPd	2.181	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		60322	[m ³ /h]
Heating energy demand		168510	[kWh]
Total electrical consumption		43940	[kWh]
SCOP		3.835	[-]
Climatic condition		Average	

ErP product fiche_LAHP-2002LT_September 2019



AMICUS LAHP-2302LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-2302LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	137.5	[kW]
Tj = -7 [°C]	Pdh	121.7	[kW]
Tj = 2 [°C]	Pdh	90.42	[kW]
Tj = 7 [°C]	Pdh	109.3	[kW]
Tj = 12 [°C]	Pdh	124.1	[kW]
Tj = -7 [°C]	Pdh	121.7	[kW]
Tj = -9 [°C]	Pdh	113.6	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9456	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.7725	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/89	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	153.600	[%]
Tj = -7 [°C]	COPd	2.458	[-]
Tj = 2 [°C]	COPd	3.908	[-]
Tj = 7 [°C]	COPd	5.582	[-]
Tj = 12 [°C]	COPd	6.836	[-]
Tj = -7 [°C]	COPd	2.458	[-]
Tj = -9 [°C]	COPd	2.258	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		60686	[m ³ /h]
Heating energy demand		192665	[kWh]
Total electrical consumption		49212	[kWh]
SCOP		3.915	[-]
Climatic condition		Average	

ErP product fiche_LAHP-2302LT_September 2019



AMICUS LAHP-2502LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-2502LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	155.9	[kW]
Tj = -7 [°C]	Pdh	137.9	[kW]
Tj = 2 [°C]	Pdh	114.6	[kW]
Tj = 7 [°C]	Pdh	138.1	[kW]
Tj = 12 [°C]	Pdh	155.2	[kW]
Tj = -7 [°C]	Pdh	137.9	[kW]
Tj = -9 [°C]	Pdh	129.8	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.952	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	0.9197	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.2	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/91	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	155.600	[%]
Tj = -7 [°C]	COPd	2.551	[-]
Tj = 2 [°C]	COPd	4.014	[-]
Tj = 7 [°C]	COPd	5.530	[-]
Tj = 12 [°C]	COPd	6.533	[-]
Tj = -7 [°C]	COPd	2.551	[-]
Tj = -9 [°C]	COPd	2.380	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		58499	[m ³ /h]
Heating energy demand		218523	[kWh]
Total electrical consumption		55113	[kWh]
SCOP		3.965	[-]
Climatic condition		Average	

ErP product fiche_LAHP-2502LT_September 2019



AMICUS LAHP-2504LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-2504LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	148	[kW]
Tj = -7 [°C]	Pdh	130.9	[kW]
Tj = 2 [°C]	Pdh	79.68	[kW]
Tj = 7 [°C]	Pdh	69.76	[kW]
Tj = 12 [°C]	Pdh	79.92	[kW]
Tj = -7 [°C]	Pdh	130.9	[kW]
Tj = -9 [°C]	Pdh	123.9	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.8826	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	1.024	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.4	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/88	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	150.200	[%]
Tj = -7 [°C]	COPd	2.370	[-]
Tj = 2 [°C]	COPd	3.758	[-]
Tj = 7 [°C]	COPd	5.471	[-]
Tj = 12 [°C]	COPd	6.859	[-]
Tj = -7 [°C]	COPd	2.370	[-]
Tj = -9 [°C]	COPd	2.237	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		78168	[m ³ /h]
Heating energy demand		207640	[kWh]
Total electrical consumption		54214	[kWh]
SCOP		3.83	[-]
Climatic condition		Average	

ErP product fiche_LAHP-2504LT_September 2019



AMICUS LAHP-3004LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-3004LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	177.6	[kW]
Tj = -7 [°C]	Pdh	157.1	[kW]
Tj = 2 [°C]	Pdh	95.65	[kW]
Tj = 7 [°C]	Pdh	72.61	[kW]
Tj = 12 [°C]	Pdh	82.73	[kW]
Tj = -7 [°C]	Pdh	157.1	[kW]
Tj = -9 [°C]	Pdh	147	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.862	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	1.313	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.4	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/89	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	151.100	[%]
Tj = -7 [°C]	COPd	2.397	[-]
Tj = 2 [°C]	COPd	3.751	[-]
Tj = 7 [°C]	COPd	5.534	[-]
Tj = 12 [°C]	COPd	6.980	[-]
Tj = -7 [°C]	COPd	2.397	[-]
Tj = -9 [°C]	COPd	2.225	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		97122	[m ³ /h]
Heating energy demand		248619	[kWh]
Total electrical consumption		64526	[kWh]
SCOP		3.853	[-]
Climatic condition		Average	

ErP product fiche_LAHP-3004LT_September 2019



AMICUS LAHP-3504LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-3504LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	225.1	[kW]
Tj = -7 [°C]	Pdh	199.2	[kW]
Tj = 2 [°C]	Pdh	121.2	[kW]
Tj = 7 [°C]	Pdh	91.06	[kW]
Tj = 12 [°C]	Pdh	103.3	[kW]
Tj = -7 [°C]	Pdh	199.2	[kW]
Tj = -9 [°C]	Pdh	185.9	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Ppsych	-	[kW]
Degradation coefficient	Cdh	0.9033	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	1.087	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.4	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/90	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	153.500	[%]
Tj = -7 [°C]	COPd	2.392	[-]
Tj = 2 [°C]	COPd	3.776	[-]
Tj = 7 [°C]	COPd	5.580	[-]
Tj = 12 [°C]	COPd	7.003	[-]
Tj = -7 [°C]	COPd	2.392	[-]
Tj = -9 [°C]	COPd	2.196	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		111900	[m ³ /h]
Heating energy demand		315974	[kWh]
Total electrical consumption		80760	[kWh]
SCOP		3.913	[-]
Climatic condition		Average	

ErP product fiche_LAHP-3504LT_September 2019



AMICUS LAHP-4004LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-4004LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	240.7	[kW]
Tj = -7 [°C]	Pdh	212.9	[kW]
Tj = 2 [°C]	Pdh	129.6	[kW]
Tj = 7 [°C]	Pdh	110.2	[kW]
Tj = 12 [°C]	Pdh	124.6	[kW]
Tj = -7 [°C]	Pdh	212.9	[kW]
Tj = -9 [°C]	Pdh	197.8	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Ppsych	-	[kW]
Degradation coefficient	Cdh	0.9173	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	1.124	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.4	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/90	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	152.400	[%]
Tj = -7 [°C]	COPd	2.411	[-]
Tj = 2 [°C]	COPd	3.759	[-]
Tj = 7 [°C]	COPd	5.506	[-]
Tj = 12 [°C]	COPd	6.801	[-]
Tj = -7 [°C]	COPd	2.411	[-]
Tj = -9 [°C]	COPd	2.196	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		116904	[m ³ /h]
Heating energy demand		338115	[kWh]
Total electrical consumption		87031	[kWh]
SCOP		3.885	[-]
Climatic condition		Average	

ErP product fiche_LAHP-4004LT_September 2019



AMICUS LAHP-4504LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-4504LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	272.6	[kW]
Tj = -7 [°C]	Pdh	241.2	[kW]
Tj = 2 [°C]	Pdh	146.8	[kW]
Tj = 7 [°C]	Pdh	113.3	[kW]
Tj = 12 [°C]	Pdh	128.6	[kW]
Tj = -7 [°C]	Pdh	241.2	[kW]
Tj = -9 [°C]	Pdh	224.3	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9088	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	1.32	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.4	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/92	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	151.900	[%]
Tj = -7 [°C]	COPd	2.388	[-]
Tj = 2 [°C]	COPd	3.695	[-]
Tj = 7 [°C]	COPd	5.593	[-]
Tj = 12 [°C]	COPd	7.081	[-]
Tj = -7 [°C]	COPd	2.388	[-]
Tj = -9 [°C]	COPd	2.191	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		149521	[m ³ /h]
Heating energy demand		382483	[kWh]
Total electrical consumption		98769	[kWh]
SCOP		3.873	[-]
Climatic condition		Average	

ErP product fiche_LAHP-4504LT_September 2019



AMICUS LAHP-5004LT PRODUCT FICHE

According regulations 811/2013 and 812/2013

Model		LAHP-5004LT	
Energy class	N/A		
Air-to-water heat pump	Yes		
Low-temperature heat pump	Yes		
Supplementary heater	No		
Heat pump combination heater	No		
Item	Symbol	Value	Units of measurement
Rated heat output	Prated	304.9	[kW]
Tj = -7 [°C]	Pdh	269.8	[kW]
Tj = 2 [°C]	Pdh	164.2	[kW]
Tj = 7 [°C]	Pdh	142.1	[kW]
Tj = 12 [°C]	Pdh	160.1	[kW]
Tj = -7 [°C]	Pdh	269.8	[kW]
Tj = -9 [°C]	Pdh	253.2	[kW]
Tbivalent	Tbiv	-7	[°C]
Cycling interval capacity for heating	Pcych	-	[kW]
Degradation coefficient	Cdh	0.9173	[-]
Power consumption in off mode	Poff	0.02	[kW]
Power consumption in thermostat-off mode	Pto	1.634	[kW]
Power consumption in standby mode	Psb	0.02	[kW]
Power consumption in crankcase heater mode	Pck	0.4	[kW]
Capacity control		Step	
Sound power level, indoor/outdoor measured	Lwa	0/92	[dB(A)]
Emissions of nitrogen oxides	NOx	0	[mg/kWh]
Seasonal space heating energy efficiency	ηs	151.500	[%]
Tj = -7 [°C]	COPd	2.440	[-]
Tj = 2 [°C]	COPd	3.719	[-]
Tj = 7 [°C]	COPd	5.484	[-]
Tj = 12 [°C]	COPd	6.717	[-]
Tj = -7 [°C]	COPd	2.440	[-]
Tj = -9 [°C]	COPd	2.273	[-]
Operation limit temperature	TOL	-16	[°C]
Cycling interval efficiency	COPcyc	-	[-]
Heating water operating limit temperature	WTOL	60	[°C]
Air flow rate		140846	[m³/h]
Heating energy demand		427969	[kWh]
Total electrical consumption		110801	[kWh]
SCOP		3.863	[-]
Climatic condition		Average	

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