TECHNICAL PRODUCT SUBMITTAL
AMICUS LAHP-902WWXL BOOST HEAT PUMP

Heating Data		
Heating Capacity (EN14511)[1]	kW	161
Total Power input (EN14511)[1]	kW	34.10
COP (EN14511)[1]	W/W	4.72
Nominal flow rate	m^3/h	22.1
Pressure drop across the heat pump	kPa	11.1
EcoDesign data		
EcoDesign Energy Label Rating	LT/HT	A++/A++
SCOP Low Temperature		5.85
Seasonal Efficiency High temperature	**%**	178
General Data		
Refrigerant type		R134A
Compressor Type		Scroll
Number of Compressors		2
Number of Circuits		1
Capacity steps		2
Minimum capacity step	%	50
Electrical Data		
Power supply	V/Ph/Hz	400/3+N/50
Maximum input power	kW	47.8
Maximum input current standard unit	A	85.8
Peak input current standard unit	A	268
Peak input current with soft start option fitted	A	178
Fuse rating (delayed)	A	200
Fans		
Sound power level	dB(A)	74
Sound pressure level	dB(A)	42

Model	Octave band (Hz)								Lw		Lp
	63	125	250	500	1K	2K	4K	8K			
	dB	dB	dB	dB	dB	dB	dB	dB	Db	dB(A)	dB(A)
302	78.1	69.3	63.2	61.7	60.6	55.2	51.8	42.7	78.9	65	49
402	78.1	69.3	63.2	61.7	60.6	55.2	51.8	42.7	78.9	65	49
602	83.1	74.3	68.2	66.7	65.6	60.2	56.8	47.7	83.9	70	54
702	86.1	77.3	71.2	69.7	68.6	63.2	59.8	50.7	86.9	73	57
902	87.1	78.3	72.2	70.7	69.6	64.2	60.8	51.7	87.9	74	58
1202	89.1	80.3	74.2	72.7	71.6	66.2	62.8	53.7	89.9	76	60
1402	91.1	82.3	76.2	74.7	73.6	68.2	64.8	55.7	91.9	78	62
1804	101.1	92.3	86.2	84.7	83.6	78.2	74.8	65.7	101.9	88	72
2304	102.1	93.3	87.2	85.7	84.6	79.2	75.8	66.7	102.9	89	73
2604	104.1	95.3	89.2	87.7	86.6	81.2	77.8	68.7	104.9	91	75

Lw: sound power level according to ISO 3744

Lp: sound pressure level at 1 mt from the unit in free field conditions direction factor Q=2 according to ISO 3744

ErP Data including Product Fiche and Energy Labels where applicable and Warranty information are available at www.lochinvar.ltd.uk

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User	65			70		
Source	**Output**	**Absorption**	**COP**	**Output**	**Absorption**	**COP**
20	109	76.5	3.37	n/a	n/a	n/a
25	124	91.2	3.77	121	84.3	3.33
30	142	108	4.23	137	100	3.7
35	161	127	4.71	156	118	4.15
40	184	149	5.26	177	139	4.61
45	208	173	5.78	200	161	5.1
User	**75**			**78**		
Source	**Output**	**Absorption**	**COP**	**Output**	**Absorption**	**COP**
20	n/a	n/a	n/a	n/a	n/a	n/a
25	n/a	n/a	n/a	n/a	n/a	n/a
30	132	91.6	3.24	130	86.8	3
35	150	109	3.62	147	103	3.35
40	170	128	4.04	165	121	3.7
45	192	149	4.48	187	142	4.13

n/a= not allowed heat pump will not operate at these conditions

Amicus air to water heat pumps must be installed and maintained in line with the Installation Commissioning and Maintenance Instructions which are available on the Literature & Downloads section of www.lochinvar.ltd.uk

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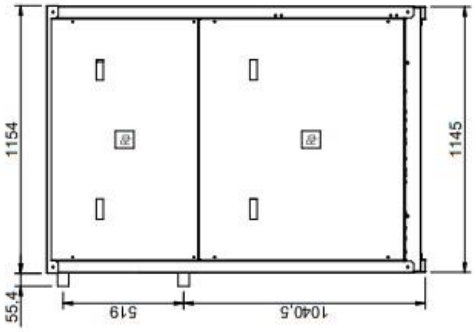
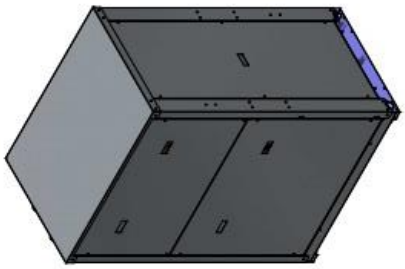
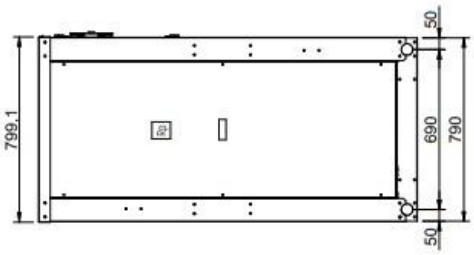
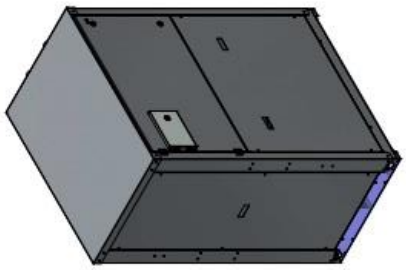
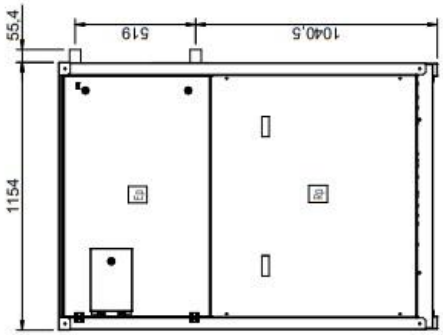
TECHNICAL PRODUCT SUBMITTAL
AMICUS LAHP-902WWXL BOOST HEAT PUMP

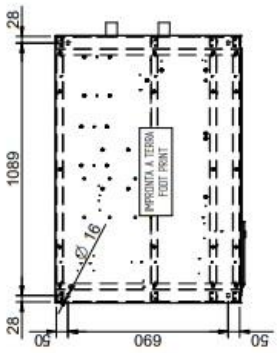


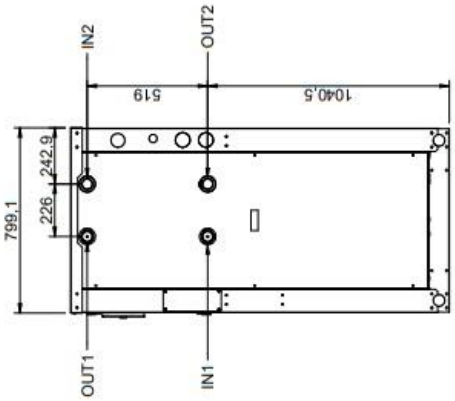












Rp	PANNELLO ASPORTABILE REMOVABLE PANEL
Ep	QUADRO ELETTRICO ELECTRICAL PANEL
Es	INGRESSO ALIMENTAZIONE ELETTRICA POWER SUPPLY DRAIN INLET
IN1 ϕ 1"1/2 G.M.	INGRESSO ACQUA UTENTE USER WATER INLET
OUT1 ϕ 1"1/2 G.M.	USCITA ACQUA UTENTE USER WATER OUTLET
IN2 ϕ 1"1/2 G.M.	INGRESSO ACQUA SORGENTE SOURCE WATER INLET
OUT2 ϕ 1"1/2 G.M.	USCITA ACQUA SORGENTE SOURCE WATER OUTLET

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