

# TECHNICAL PRODUCT SUBMITTAL



## Amicus boost heat pumps

### Key Features

- COP up to 4.94
- noise levels

•Low

### Model

LAHP1402WW

Refrigerant		R134A
<b>EFFICIENCY DATA -Part L2</b>		
Heating Capacity (EN14511) <sup>1</sup>	kW	248
Total Power input (EN14511) <sup>1</sup>	kW	51.24
Heat Absorption capacity (EN14511) <sup>1</sup>	kW	197.1
COP (EN14511) <sup>1</sup>	W/W	4.84
<b>EFFICIENCY DATA -ErP and Energy Label</b>		
EcoDesign Energy Label Rating	LT/HT	A++/A++
Seasonal Efficiency Low temperature	%	206.3
SCOP Low Temperature		5.36
Seasonal Efficiency High temperature	%	165.9
SCOP High Temperature		4.35
<b>GENERAL</b>		
Power supply	V/Ph/Hz	400/3+N/50
Maximum input current <sup>1</sup>	A	126
Peak current <sup>1</sup>	A	373
Compressors/Circuits	n°	2/1
Source flow rate	litre/sec	9.48
Source circuit pressure drop	kpa	11.8
User flow rate	litre/sec	12.03
User circuit pressure drop	kpa	16.5
Sound power level	dB(A)	78
Sound pressure level	dB(A)	62
Flow/Return connections	Vitaalic Inch	2"
Minimum water content in the user circuit	litre	1700
<b>DIMENSIONS</b>		
Height	mm	1600
Width	mm	1150
Depth	mm	800
Weight	Kg	790

<sup>1</sup> rated conditions

source water 35/30, user water 65/60

Amicus Boost 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](http://www.lochinvar.ltd.uk)

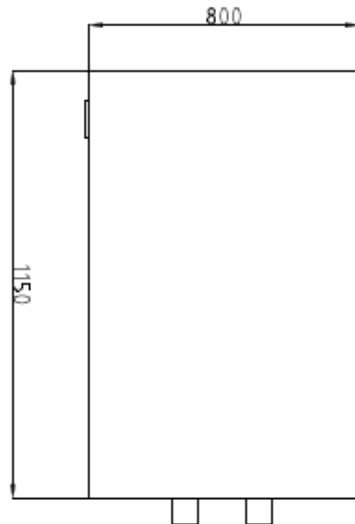
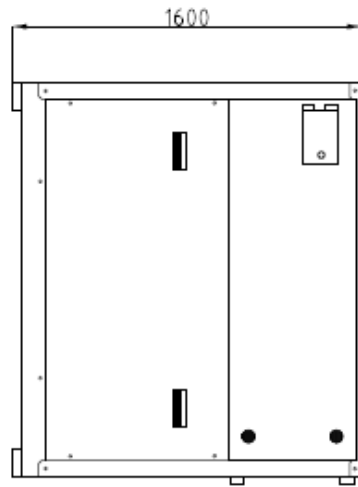
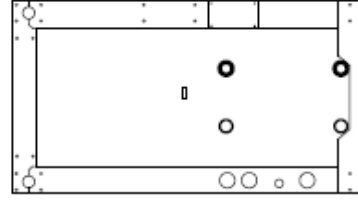
Particular attention should be made to:-

- Dimensions and clearances
- Minimum buffer vessel storage volumes
- Unit start up
- Water quality

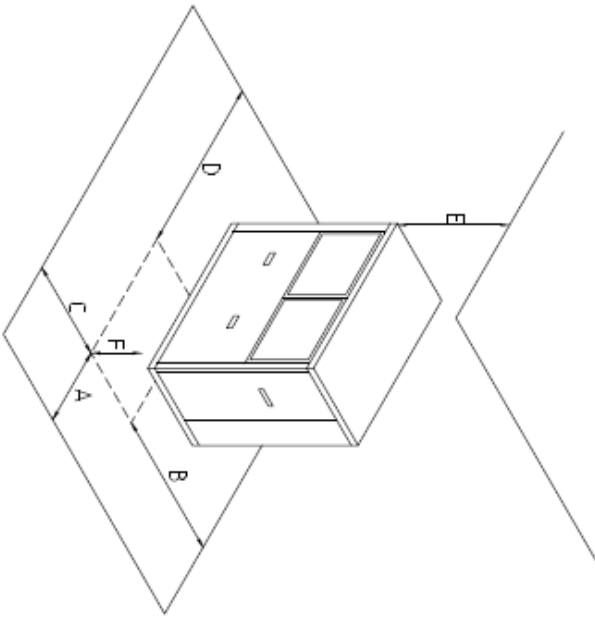
### ErP and Warranty

ErP Data including Product Fiche and Energy Labels where applicable and Warranty information are also available at [www.lochinvar.ltd.uk](http://www.lochinvar.ltd.uk)

## Dimensions



## Clearances



Legend	Unit	Model							
		302	402	602	702	902	1202	1402	
A	mm	1000	1000	1000	1000	1000	1000	1000	
B	mm	500	500	500	500	500	500	500	
C	mm	600	600	600	600	600	600	600	
D	mm	0	0	0	0	0	0	0	
E	mm	500	500	500	500	500	500	500	