

TECHNICAL PRODUCT SUBMITTAL



Amicus boost heat pumps

Key Features

- COP up to 4.94
- noise levels

•Low

Model

LAHP1804WW

Refrigerant		R134A
EFFICIENCY DATA -Part L2		
Heating Capacity (EN14511) ¹	kW	322.7
Total Power input (EN14511) ¹	kW	67.89
Heat Absorption capacity (EN14511) ¹	kW	255.2
COP (EN14511) ¹	W/W	4.753
EFFICIENCY DATA -ErP and Energy Label		
EcoDesign Energy Label Rating	LT/HT	A++/A++
Seasonal Efficiency Low temperature	%	203.4
SCOP Low Temperature		5.29
Seasonal Efficiency High temperature	%	162.8
SCOP High Temperature		4.27
GENERAL		
Power supply	V/Ph/Hz	400/3+N/50
Maximum input current ¹	A	172
Peak current ¹	A	354
Compressors/Circuits	n°	4/2
Source flow rate	litre/sec	12.28
Source circuit pressure drop	kpa	12.2
User flow rate	litre/sec	15.65
User circuit pressure drop	kpa	17.2
Sound power level	dB(A)	88
Sound pressure level	dB(A)	72
Flow/Return connections	Vitaalic Inch	2"
Minimum water content in the user circuit	litre	1200
DIMENSIONS		
Height	mm	1900
Width	mm	800
Depth	mm	2170
Weight	Kg	1320

¹ 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

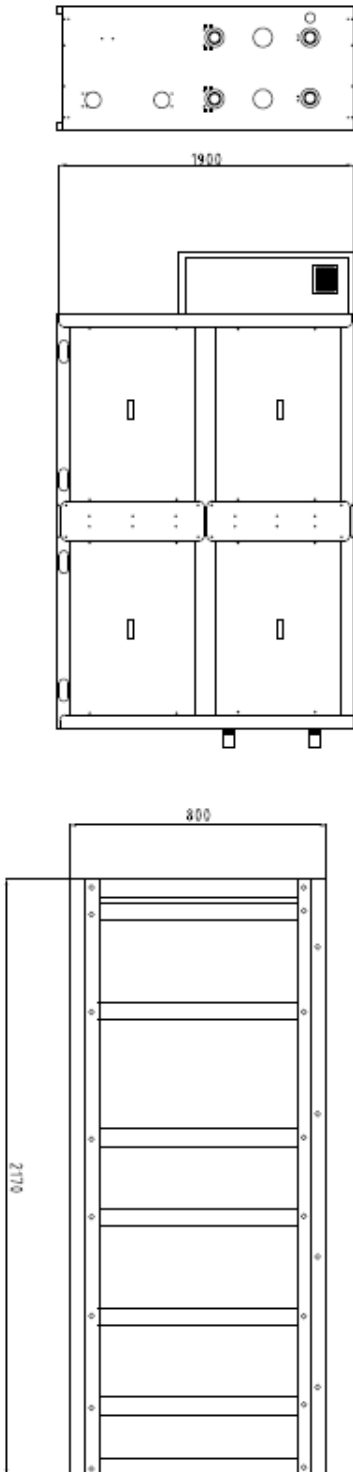
Particular attention should be made to:-

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

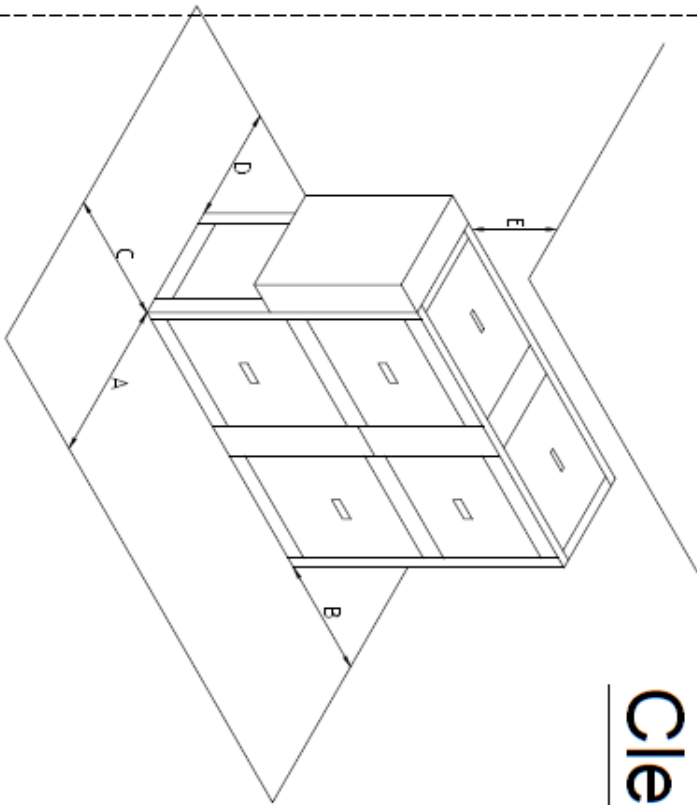
ErP and Warranty

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

Dimensions



Clearances



Legend	Unit	Model		
		1804	2304	2604
A	mm	1000	1000	1000
B	mm	500	500	500
C	mm	800	800	800
D	mm	1000	1000	1000
E	mm	500	500	500