

TECHNICAL PRODUCT SUBMITTAL



Optimus Gas absorption heat pump

Key features include:

- Efficiency up to 152% GCV
- On board controls
- ODP & GWP <1

Model LCGHP-40HT Low Noise Outdoor Unit

Nominal Input (gross)	kW	25.2	
Gas flow rate	m3/hr	2.72	
EFFICIENCY DATA-Part L2			
Nominal output –Air 7/water 50	kW	38.3	
GUE (gas usage efficiency)-Air7/water 50	%	152	
Nominal output 2-Air 7/water 65	kW	31.1	
GUE (gas usage efficiency)-Air7/water 65	%	124	
Nominal output-Air-7/water 50	kW	32	
GUE (gas usage efficiency)-Air-7/water 50	%	127	
EFFICIENCY DATA-ErP and Energy Label			
EcoDesign Energy label rating		A+	
Seasonal space heating energy efficiency (Average climate conditions)	%	113	
GENERAL DATA			
NOx emissions (corrected to 0% O ₂)	ppm	23	
NOx emissions (corrected to 0% O ₂)	mg/kWh	40	
Dimension (height)	mm	1537	
Dimension (width)	mm	848	
Dimension (depth)	mm	1258	
Weight full	kg	400	
Flow connection	BSP Rp	11/4"	
Return connection	BSP Rp	11/4"	
Gas connection	BSP Rp	3/4"	
Electrical requirements		230v/1ph/50hz	
Power consumption	W	83	
Maximum outlet temperature	°C	65	
Maximum return connection	°C	55	
Refrigerant fluid	Ammonia R717	kg	7
	Water H ₂ O	kg	10
Sound pressure level indoor	db	n/a	
Sound pressure level outdoor	db	74	

Optimus gas absorption 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:-

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|-----------------------------|---------------------|
| • Transport and positioning | section 2 |
| • Hydraulic connections | section 3.1 page 21 |
| • Electrical power supply | section 4.3 page26 |
| • Maintenance | Section 7 |

ErP and Warranty

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