

TECHNICAL PRODUCT SUBMITTAL



Optimus Gas absorption heat pump

Key features include:

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

Model LCGHPi-40HT Indoor 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	1580	
Dimension (width)	mm	848	
Dimension (depth)	mm	1258	
Weight full	kg	405	
Flow connection	BSP Rp	1 1/4"	
Return connection	BSP Rp	1 1/4"	
Gas connection	BSP Rp	3/4"	
Electrical requirements		230v/1ph/50hz	
Power consumption	W	93	
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	74	
Sound pressure level outdoor	db	n/a	

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:-

- Transport and positioning section 2
- Hydraulic connections section 3.1 page 21
- Electrical power supply section 4.3 page 26
- 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