



Heat pump Manufacturer	Vaillant
Heat pump Model number	VWL 105 / 6 - 0010037214
Heat pump type	Monobloc
Heat pump model name	AroTHERM plus 10kW & AI

Capacity information:

Flow temp V						
Ext temp V	35°C	40°C	45°C	50°C	55°C	
-5°C	9.9	9.7	9.4	9.1	8.8	
-3°C	10.07	10.3	10	9.6	9.2	
-0°C	11.9	11.6	11.3	10.7	10.2	
2°C	12.8	12.5	12.1	11.5	10.9	

Further information:

Dimensions	
Height	1565mm
Width	1100mm
Depth	450mm
Weight (Net)	194kg

Efficiency		
MCS Listed SCOP @	35°C flow	5.03
	40°C flow	4.58
	45°C flow	4.13
	50°C flow	3.85
	55°C flow	3.58

MCS Certificate number(s)	
KIWA 00016/022 HP	

Hydronics	
Minimum water content of system	45 Litres
Nominal flow-rate	28.6 l/min
Available head of pump at nominal flow	74 kPa
Connection size	BSPP 1" 1/4 Male
Typical primary pipework size*	35mm
Integral expansion vessel capacity	N/A

Max sound power level	60dB(A)
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Flow temperature	PCDB index number
35°C	106952
45°C	106951
55°C	106950

Coastal location restriction	
No restriction	

Refrigerant	
Type	R290
Quantity	1.3kg

ENA Info	
Connect and notify/apply to connect	Connet & notify
ENA database reference	HP_1131

Electrical	
Breaker needed	25A Type A RCBO
Min isolator rating	25A

Acceptable antifreeze arrangement	
Glycol or antifreeze valves	

Warranty	
2 years standard - 7 years if Vaillant advanced installer	

*subject to full hydronic design
(or change to pressure drop of heat pump and flow sensor if pump and flow sensor are external)