

# Alira

outdoor commercial heat pump  
with active cooling



MODEL

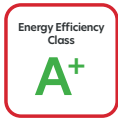
LWP450

TOTAL POWER  
(kW)

50

# Alira Outdoor Commercial

The Alira outdoor commercial air source heat pump is highly efficient, quiet and is available in 1 model with an output of 50kW. Using the air as the source of energy, the Alira utilises advanced technology to provide sustainable heating and hot water. The Alira can be cascaded (up to 4 units) for larger projects and comes complete with the Luxtronik controller, however, using a BMS system there can be an unlimited number of units.

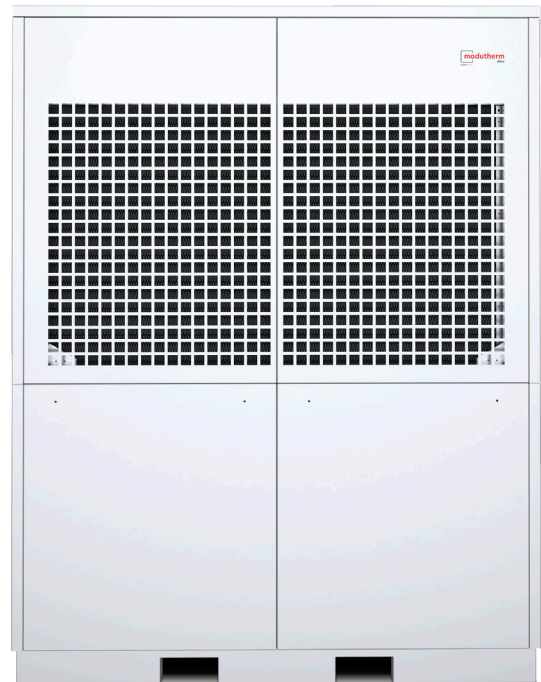


## key features

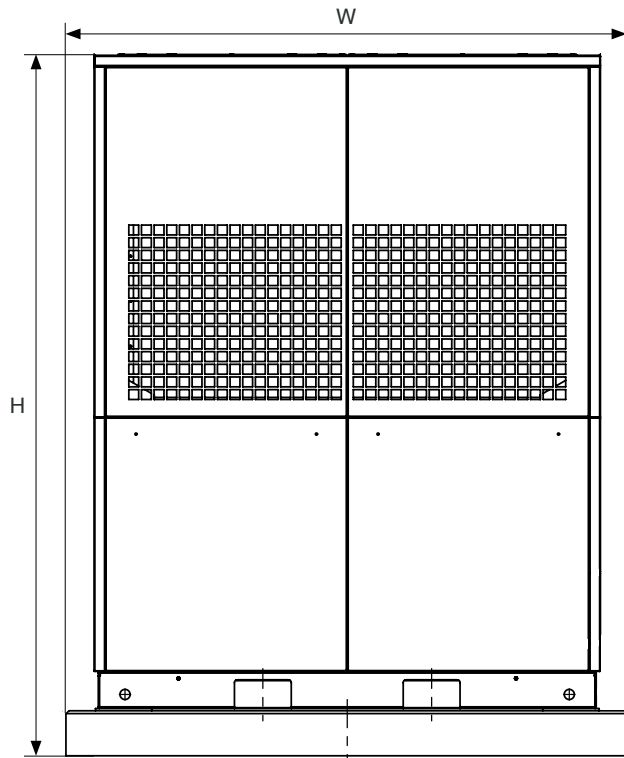
- Low noise levels
- Operates up to 65°C water temperature
- COP of 3.57 based on EN14511 with water at 35°C and ambient air at 7°C
- Energy efficiency A+ (35°C)
- Weather resistant
- Indoor wall mounted controller included
- Chilled water temperatures of up to 7°C are possible in active cooling mode

## warranty

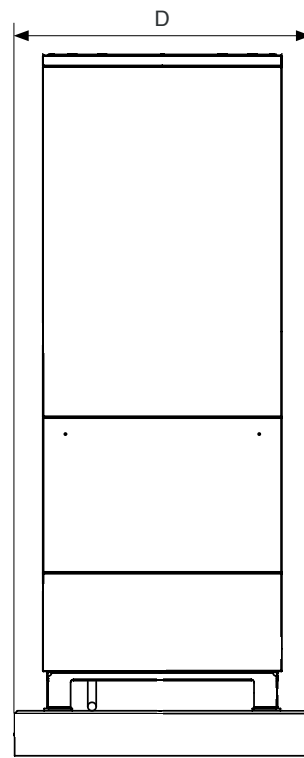
- 2 year warranty\*



# DIMENSIONS



FRONT VIEW



SIDE VIEW

MODEL

LWP450

Height	mm	2320
Width	mm	1800
Depth	mm	850
Hot water flow	inches	2
Hot water return	inches	2

# TECHNICAL DATA

		MODEL	
		LWP450	
heating capacity	Air 7°C - Water 35°C	kW	47.8
	COP		3.57
	Air 7°C - Water 45°C	kW	39.56
	COP		3.42
	Air 10°C - Water 35°C	kW	33.38
	COP		4.68
cooling capacity	Air -7°C - Water 35°C	kW	38.92
	COP		2.95
	Air -10°C - Water 65°C	kW	33
	COP		2.57
	Air 35°C - Water 18°C	kW	55
	EER		2.5
limits of use	Air 35°C - Water 7°C	kW	24.7
	EER		2.56
	Total building power	kW	50
	Heating circuit (min / max)	°C	20 / 65
	Cooling circuit (min / max)	°C	10 / 35
sound	Heat source heating (min / max)	°C	-22 / 35
	Heat source cooling (min / max)	°C	10 / 40
general data	Sound pressure level - 1 metre from edge of unit (min / max)	dB(A)	63 / 72.4
	Total weight	kg	680
	Refrigerant type/capacity	/kg	R410A - 23
	Electrical supply	V	415
	Compressor		2
	Operating pressure	bar	6
	Electric heating element	kW	N/A



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A member of the Modular Heating Group.