

Daikin Altherma HPC Floor standing model

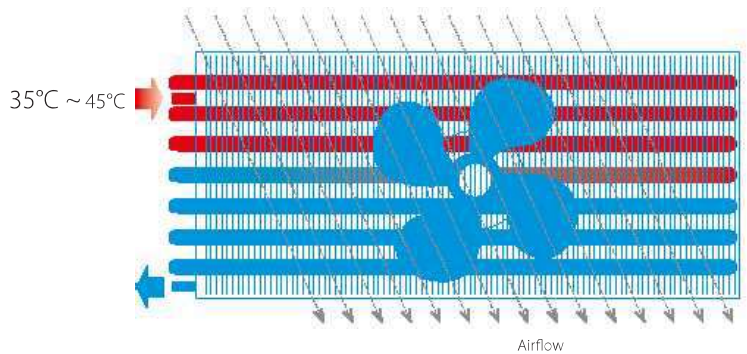


By providing cooling and heating, Daikin Altherma HPC is combinable with underfloor piping and can replace outdated radiators. The unit is available in three models (floor standing, wall mounted and concealed) and fits in any bedrooms or living rooms thanks to its silent operation.

What is a heat pump convector

The way a heat pump convector works is similar to a radiator, as both use convection to heat a room. A radiator creates convection by running water through its pipes. With a heat pump convector, a radiator's convection process is faster because there is a small fan behind it speeding up the heating cycle.

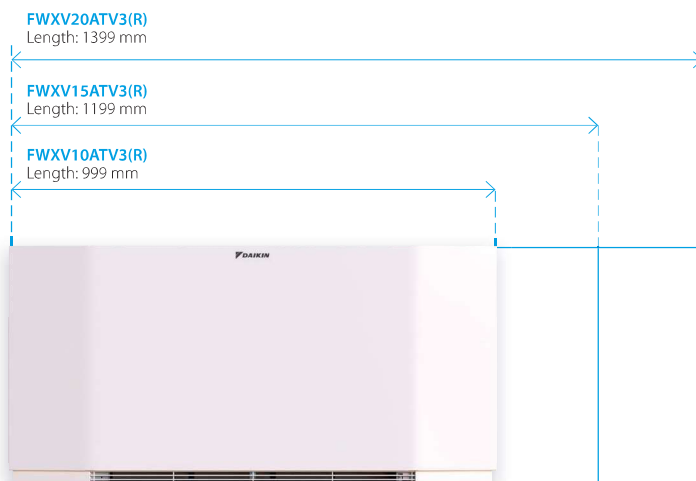
A heat pump convector creates the same room temperature as a traditional radiator, but with lower water temperatures in the radiator, and in the long run, contribute to direct energy savings for users.



- > Optimized for new build houses
- > Can be selected at low water temperature (35°C) which makes it ideal for heat pump applications.

Slim design

The floor standing Daikin Altherma HPC measures 135 mm (depth), this heat pump convector can fit in any house or apartment.



Fast and high capacity

The Daikin Altherma HPC combines the advantages of residential underfloor heating and radiators. It delivers high capacity heating or cooling faster and can be selected at ultra-low temperatures (35/30°C regime).



Indoor unit				FWXV/M10ATV3	FWXV/M15ATV3	FWXV/M20ATV3	
Cooling capacity at 7/12°C	Min.		kW	0,66	1,30	1,82	
	Med.		kW	1,36	2,16	2,52	
	Max.		kW	1,77	2,89	3,20	
Sensible cooling capacity at 7/12°C	Min.		kW	0,39	0,99	1,22	
	Med.		kW	0,98	1,53	1,55	
	Max.		kW	1,33	2,10	1,78	
Heating capacity at 35/30°C	Min.		kW	0,41	0,45	0,93	
	Med.		kW	0,82	1,29	1,66	
	Max.		kW	1,14	1,73	2,15	
Heating capacity at 45/40°C	Min.		kW	0,95	1,26	1,90	
	Med.		kW	1,63	2,33	3,05	
	Max.		kW	2,18	3,11	3,88	
Power input	Min.		kW	0,003	0,004	0,005	
	Med.		kW	0,018	0,020	0,027	
	Max.		kW	0,018	0,020	0,027	
Fan speed	Min.		m³/h	118	180	246	
	Med.		m³/h	210	318	410	
	Max.		m³/h	294	438	566	
Casing	Colour	RAL 9003					
	Material	Metal sheet					
Dimensions	Unit	Height	mm	601			
		Width	mm	999	1199	1399	
		Depth	mm	135	135	135	
	Packed unit	Height	mm	690			
		Width	mm	1230	1430	1630	
		Depth	mm	210			
Weight	Unit		kg	20/12	23/15	2618	
	Packed unit		kg	21/13	24/16	2719	
Packing	Material	Carton					
	Weight		kg	1			
Heat exchanger	Quantity			1	1	1	
	Internal coil volume		l	0,8	1,13	1,46	
		Max Operating pressure		bar	10		
Water circuit	Piping connections diameter		inch	3/4" male			
	Piping material			EUROKONUS			
	Heating - Water pressure drop at 35/30°C	Min.		kPa	0,3	2,0	1,2
		Med.		kPa	1,3	7,5	4,0
		Max.		kPa	2,4	12,3	8,0
	Heating - Water pressure drop at 45/40°C	Min.		kPa	1,3	8,6	3,8
		Med.		kPa	4,2	3,3	11,2
		Max.		kPa	7,2	11,5	21,3
	Cooling - Water pressure drop at 7/12°C	Min.		kPa	1,2	4,3	2,1
		Med.		kPa	2,8	19,3	13,1
		Max.		kPa	2,9	27,0	24,0
	Heating - Water flow rate at 35/30°C	Min.		kg/h	69,9	73,6	160,2
		Med.		kg/h	141,4	221,1	285,3
		Max.		kg/h	195,2	297,2	369,9
	Heating - Water flow rate at 45/40°C	Min.		kg/h	163,5	212,5	327,0
		Med.		kg/h	280,3	401,1	524,6
		Max.		kg/h	374,1	534,5	667,5
Cooling - Water flow rate at 7/12°C	Min.		kg/h	113,5	223,7	313,0	
	Med.		kg/h	234,1	371,7	433,6	
	Max.		kg/h	303,6	496,6	550,6	
Sound power level	Super silent	Pressure	Heating/Max.	bar	10	10	10
		Min.		dB(A)	29	31	32
		Max.		dB(A)	34	35	35
Sound pressure level	Super silent	Min.		dB(A)	51	53	55
		Max.		dB(A)	20	22	23
		Min.		dB(A)	25	26	26
Operation range	Heating	Water side	Min.	°C	30		
			Max.	°C	85		
	Cooling	Water side	Min.	°C	5		
			Max.	°C	20		
	Indoor installation	Ambient	Min.	°CDB	0		
			Max.	°CDB	45		
Control systems	Infrared remote control			no			
	On board control			yes			
	Wired remote control			yes			
Electrical specifications				FWXV10ATV3	FWXV15ATV3	FWXV20ATV3	
Power supply	Phase			1			
	Frequency		Hz	50			
	Voltage		V	230			
Electrical power consumption	Max.		W	21	22	32	
	Standby		W	3	4	5	
Current	Maximum running current		A	0,18	0,19	0,28	