



Heatboost Fan Coil Radiators

Futureproof, Efficient & Cost-Effective Radiators



Harnitek Heatboost Fan Coil Radiators

Powerful. Compact. Heat-pump ready.

Our Heatboost radiators are suitable for a wide range of product applications in both residential and commercial settings. They are especially suited for use with heat pumps due to their super low temperature operation, with an internal waterflow temperature starting at only 35°C. This makes them an ideal heating system of choice for new builds and anyone looking for a cost-saving and eco-friendly replacement for traditional heating.

Heatboost radiators can heat your home up to 7x more efficiently than a traditional steel convection radiator. One large Heatboost unit can replace two steel radiators in the same space with the same levels of heat efficiency without sacrificing comfort.



Hybrid Heating & Cooling

Efficiently heats and cools with one sleek unit, using a high-performance copper and aluminum coil.



Energy Efficient DC Motor

Variable speed motor optimizes performance, reducing energy consumption and ensuring consistent airflow.



Ultra-Low Noise Operation

Multi-blade centrifugal barrel fan and brushless motor design ensure quiet performance, ideal for low-noise environments.



Advanced Heat Exchanger

Maximized thermal efficiency with tightly fitted fins and a seamless copper tube for optimal heat transfer.



Flexible Installation

Pre-assembled for easy standard installation.



Durable & Low Maintenance

Built-in overheat protection, corrosion-resistant components, and minimal maintenance for long-lasting reliability.

How does it work?

Fan coil radiators circulate hot or cold water through a coil and use a fan to distribute the resulting heated or cooled air throughout a room. The fan draws in air and passes it over the coil, where it is heated or cooled. The heated or cooled air is then distributed back into the room through vents. Fan coil radiators provide energy efficiency and precise temperature control, making them a popular choice for residential and commercial spaces.

Technical Data

Model		HFP-150LM-Z1	HFP-350LM-Z1	HFP-450LM-Z1	HFP-550LM-Z1
(a) Total Cooling Capacity	kW	0.75	1.5	2.2	3.1
SensibleCooling Capacity	kW	0.61	1.25	1.9	2.6
Water Flow Rate	l/h	142	302	453	573
Water Pressure Drops	kPa	7	9	22	28
(b) Heating Capacity	kW	0.99	2	2.8	4.2
Water Flow Rate	l/h	142	302	453	573
Water Pressure Drops	kPa	6.5	7	18.5	24.5
(c) Heating Capacity	kW	1.55	3.1	4.6	6.3
Water Flow Rate	l/h	162	343	471	600
Water Pressure Drops	kPa	7	7.5	19	25
Coil Water Content	l	0.48	0.85	1.15	1.48
Maximum Operating Pressure	bar	10	10	10	10
Water Pipe Connector	inches	G1/2	G1/2	G1/2	G1/2
(d) Maximum Air Flow	m3/h	160	320	460	580
(d) Minimum Air Flow	m3/h	50	150	200	300
Power Supply	V/ph/Hz	230/1/150	230/1/150	230/1/150	230/1/150
Maximum Running Current	A	0.1	0.12	0.15	0.17
Maximum Power Input	W	23	28	35	39
(e)Maximum Noise	dB(A)	39	40	42	42.1
(e)Minimum Noise	dB(A)	19.8	18.3	19.1	21
Net dimension(L*W*H)	mm	694*134*588	894*134*588	1094*134*588	1294*134*588
Package dimension(L*W*H)	mm	720*165*630	920*165*630	1120*165*630	1320*165*630
Net Weight	kg	14	17	20	23
Gross Weight	kg	15	18.5	22	25

- Note:**
See key below for details
- (a) Cooling: Water inlet/outlet 7/12°C; Room temperature DB/WB 27/19°C.
 - (b) Heating: Water inlet50°C, water flow rate as in cooling operation; Room temperature 20°C.
 - (c) Heating: Water inlet 70°C, outlet60°C; Room temperature 20°C.
 - (d) Air flow measured with clean filter.
 - (e) Sound pressure level tested as per EN 12102:2008 and ISO3745:2012, and certified by Intertek.
 - The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

Heat Output Under Different Water Temperature

High Fan Speed

Fan Speed	Working Mode	Water Inlet Temp (°C)	HFP-150LM-Z1 WATT / BTU	HFP-350LM-Z1 WATT/BTU	HFP-450LM-Z1 WATT/BTU	HFP-550LM-Z1 WATT/BTU
High Speed	Cooling	7	WATT 748 / 2550 BTU	WATT 1496 / 5101 BTU	WATT 2154 / 7345 BTU	WATT 3120 / 10639 BTU
		12	WATT 480 / 1636 BTU	WATT 960 / 3273 BTU	WATT 1412 / 4814 BTU	WATT 2066 / 7045 BTU
	Heating	35	WATT 552 / 1882 BTU	WATT 1104 / 3764 BTU	WATT 1558 / 5312 BTU	WATT 2103 / 7171 BTU
		38	WATT 611 / 2083 BTU	WATT 1222 / 4167 BTU	WATT 1737 / 5923 BTU	WATT 2426 / 8272 BTU
		40	WATT 680 / 2318 BTU	WATT 1360 / 4637 BTU	WATT 1936 / 6601 BTU	WATT 2939 / 10021 BTU
		43	WATT 756 / 2577 BTU	WATT 1511 / 5152 BTU	WATT 2102 / 7167 BTU	WATT 3045 / 10383 BTU
		45	WATT 834 / 2843 BTU	WATT 1668 / 5687 BTU	WATT 2390 / 8149 BTU	WATT 3419 / 11658 BTU
		48	WATT 932 / 3178 BTU	WATT 1864 / 6356 BTU	WATT 2631 / 8971 BTU	WATT 3894 / 13278 BTU
		50	WATT 994 / 3389 BTU	WATT 1987 / 6775 BTU	WATT 2837 / 9674 BTU	WATT 4227 / 14414 BTU
		53	WATT 1072 / 3655 BTU	WATT 2145 / 7314 BTU	WATT 3138 / 10700 BTU	WATT 4467 / 15232 BTU
		55	WATT 1120 / 3819 BTU	WATT 2240 / 7638 BTU	WATT 3539 / 12067 BTU	WATT 4778 / 16292 BTU
		58	WATT 1193 / 4068 BTU	WATT 2387 / 8139 BTU	WATT 3789 / 12920 BTU	WATT 4991 / 17019 BTU
		60	WATT 1284 / 4378 BTU	WATT 2567 / 8753 BTU	WATT 3860 / 13162 BTU	WATT 5414 / 18461 BTU
		63	WATT 1337 / 4559 BTU	WATT 2674 / 9118 BTU	WATT 4175 / 14236 BTU	WATT 5705 / 19454 BTU
		65	WATT 1394 / 4753 BTU	WATT 2787 / 9503 BTU	WATT 4289 / 14625 BTU	WATT 5744 / 19587 BTU
		68	WATT 1459 / 4975 BTU	WATT 2917 / 9946 BTU	WATT 4547 / 15505 BTU	WATT 5968 / 20350 BTU
		70	WATT 1553 / 5295 BTU	WATT 3106 / 10591 BTU	WATT 4629 / 15784 BTU	WATT 6335 / 21602 BTU

Heat Output Under Different Water Temperature

Medium Fan Speed

Fan Speed	Working Mode	Water Inlet Temp (°C)	HFP-150LM-Z1 WATT / BTU	HFP-350LM-Z1 WATT/BTU	HFP-450LM-Z1 WATT/BTU	HFP-550LM-Z1 WATT/BTU
Medium Speed	Cooling	7	WATT 684 / 2332 BTU	WATT 1368 / 4664 BTU	WATT 2005 / 6837 BTU	WATT 2927 / 9981 BTU
		12	WATT 384 / 1309 BTU	WATT 767 / 2615 BTU	WATT 1116 / 3805 BTU	WATT 1907 / 6502 BTU
	Heating	35	WATT 496 / 1691 BTU	WATT 992 / 3382 BTU	WATT 1343 / 4579 BTU	WATT 1899 / 6475 BTU
		38	WATT 588 / 2005 BTU	WATT 1175 / 4006 BTU	WATT 1518 / 5176 BTU	WATT 2246 / 7658 BTU
		40	WATT 624 / 2127 BTU	WATT 1248 / 4255 BTU	WATT 1825 / 6223 BTU	WATT 2658 / 9063 BTU
		43	WATT 735 / 2506 BTU	WATT 1470 / 5012 BTU	WATT 1976 / 6738 BTU	WATT 2759 / 9408 BTU
		45	WATT 806 / 2748 BTU	WATT 1612 / 5496 BTU	WATT 2232 / 7611 BTU	WATT 3365 / 11474 BTU
		48	WATT 898 / 3062 BTU	WATT 1795 / 6120 BTU	WATT 2523 / 8603 BTU	WATT 3629 / 12374 BTU
		50	WATT 936 / 3191 BTU	WATT 1871 / 6380 BTU	WATT 2678 / 9131 BTU	WATT 3667 / 12504 BTU
		53	WATT 993 / 3386 BTU	WATT 1986 / 6772 BTU	WATT 3065 / 10451 BTU	WATT 4202 / 14328 BTU
		55	WATT 1028 / 3505 BTU	WATT 2056 / 7010 BTU	WATT 3322 / 11328 BTU	WATT 4455 / 15191 BTU
		58	WATT 1131 / 3856 BTU	WATT 2261 / 7710 BTU	WATT 3499 / 11931 BTU	WATT 4526 / 15433 BTU
		60	WATT 1169 / 3986 BTU	WATT 2337 / 7969 BTU	WATT 3666 / 12501 BTU	WATT 5059 / 17251 BTU
		63	WATT 1218 / 4153 BTU	WATT 2437 / 8310 BTU	WATT 3806 / 12978 BTU	WATT 5331 / 18178 BTU
		65	WATT 1305 / 4450 BTU	WATT 2611 / 8903 BTU	WATT 3951 / 13472 BTU	WATT 5444 / 18564 BTU
		68	WATT 1359 / 4634 BTU	WATT 2718 / 9268 BTU	WATT 4143 / 14127 BTU	WATT 5704 / 19450 BTU
		70	WATT 1456 / 4964 BTU	WATT 2913 / 9933 BTU	WATT 4336 / 14785 BTU	WATT 6335 / 21602 BTU

Heat Output Under Different Water Temperature

Low Fan Speed

Fan Speed	Working Mode	Water Inlet Temp (°C)	HFP-150LM-Z1 WATT / BTU	HFP-350LM-Z1 WATT/BTU	HFP-450LM-Z1 WATT/BTU	HFP-550LM-Z1 WATT/BTU
Low Speed	Cooling	7	WATT 574 / 1957 BTU	WATT 1148 / 3914 BTU	WATT 1384 / 4719 BTU	WATT 2536 / 8647 BTU
		12	WATT 376 / 1282 BTU	WATT 752 / 2564 BTU	WATT 1058 / 3607 BTU	WATT 1590 / 5421 BTU
	Heating	35	WATT 378 / 1288 BTU	WATT 756 / 2577 BTU	WATT 1166 / 3976 BTU	WATT 1636 / 5578 BTU
		38	WATT 473 / 16112 BTU	WATT 947 / 3229 BTU	WATT 1273 / 4340 BTU	WATT 2049 / 6987 BTU
		40	WATT 553 / 1885 BTU	WATT 1106 / 3771 BTU	WATT 1514 / 5162 BTU	WATT 2290 / 7808 BTU
		43	WATT 604 / 2059 BTU	WATT 1208 / 4119 BTU	WATT 1665 / 5677 BTU	WATT 2405 / 8201 BTU
		45	WATT 665 / 2267 BTU	WATT 1330 / 4535 BTU	WATT 1911 / 6516 BTU	WATT 2886 / 9841 BTU
		48	WATT 722 / 2462 BTU	WATT 1443 / 4920 BTU	WATT 2163 / 7375 BTU	WATT 3040 / 10366 BTU
		50	WATT 765 / 2608 BTU	WATT 1531 / 5220 BTU	WATT 2247 / 7662 BTU	WATT 3131 / 10676 BTU
		53	WATT 813 / 2772 BTU	WATT 1627 / 5548 BTU	WATT 2604 / 8879 BTU	WATT 3616 / 12330 BTU
		55	WATT 868 / 2959 BTU	WATT 1736 / 5919 BTU	WATT 2818 / 9609 BTU	WATT 3843 / 13104 BTU
		58	WATT 965 / 3290 BTU	WATT 1931 / 6584 BTU	WATT 2948 / 10052 BTU	WATT 4029 / 13738 BTU
		60	WATT 1011 / 3447 BTU	WATT 2022 / 6895 BTU	WATT 3279 / 11181 BTU	WATT 4322 / 14738 BTU
		63	WATT 1046 / 3566 BTU	WATT 2091 / 7130 BTU	WATT 3401 / 11597 BTU	WATT 4391 / 14973 BTU
		65	WATT 1089 / 3713 BTU	WATT 2179 / 7430 BTU	WATT 3492 / 11907 BTU	WATT 4583 / 15628 BTU
		68	WATT 1193 / 4068 BTU	WATT 2385 / 8132 BTU	WATT 3564 / 12153 BTU	WATT 4830 / 16470 BTU
		70	WATT 1229 / 4190 BTU	WATT 2457 / 8378 BTU	WATT 3681 / 12552 BTU	WATT 4985 / 16998 BTU

Heat Output Under Different Water Temperature

Super Low Fan Speed

Fan Speed	Working Mode	Water Inlet Temp (°C)	HFP-150LM-Z1 WATT / BTU			HFP-350LM-Z1 WATT/BTU			HFP-450LM-Z1 WATT/BTU			HFP-550LM-Z1 WATT/BTU		
Super Low Speed	Cooling	7	WATT	N/A	BTU	WATT	N/ A	BTU	WATT	N/ A	BTU	WATT	N/A	BTU
		12	WATT	N/A	BTU	WATT	N/A	BTU	WATT	N/ A	BTU	WATT	N/A	BTU
	Heating	35	WATT	366 / 1248	BTU	WATT	732 / 2496	BTU	WATT	732 / 2496	BTU	WATT	1535 / 5234	BTU
		38	WATT	405 / 1381	BTU	WATT	810 / 2762	BTU	WATT	810 / 2762	BTU	WATT	1761 / 6005	BTU
		40	WATT	494 / 1684	BTU	WATT	989 / 3372	BTU	WATT	989 / 3372	BTU	WATT	2047 / 6980	BTU
		43	WATT	556 / 1895	BTU	WATT	1113 / 3795	BTU	WATT	1113 / 3795	BTU	WATT	2203 / 7512	BTU
		45	WATT	571 / 1947	BTU	WATT	1142 / 3894	BTU	WATT	1142 / 3894	BTU	WATT	2635 / 8985	BTU
		48	WATT	662 / 2257	BTU	WATT	1323 / 4511	BTU	WATT	1323 / 4511	BTU	WATT	2807 / 9571	BTU
		50	WATT	692 / 2359	BTU	WATT	1384 / 4719	BTU	WATT	1384 / 4719	BTU	WATT	2822 / 9623	BTU
		53	WATT	729 / 2485	BTU	WATT	1459 / 4975	BTU	WATT	1459 / 4975	BTU	WATT	3237 / 11038	BTU
		55	WATT	754 / 2571	BTU	WATT	1509 / 5145	BTU	WATT	1509 / 5145	BTU	WATT	3485 / 11883	BTU
		58	WATT	844 / 2878	BTU	WATT	1687 / 5752	BTU	WATT	1687 / 5752	BTU	WATT	3816 / 13012	BTU
		60	WATT	857 / 2922	BTU	WATT	1715 / 5848	BTU	WATT	1715 / 5848	BTU	WATT	3912 / 13339	BTU
		63	WATT	932 / 3178	BTU	WATT	1865 / 6359	BTU	WATT	1865 / 6359	BTU	WATT	3965 / 13520	BTU
		65	WATT	968 / 3300	BTU	WATT	1936 / 6601	BTU	WATT	1936 / 6601	BTU	WATT	4089 / 13943	BTU
		68	WATT	1017 / 3467	BTU	WATT	2033 / 6932	BTU	WATT	2033 / 6932	BTU	WATT	4387 / 14959	BTU
		70	WATT	1089 / 3713	BTU	WATT	2178 / 7426	BTU	WATT	2178 / 7426	BTU	WATT	4555 / 15532	BTU