

EXPERIENCE THE
ALLIANCE
DIFFERENCE

Alliance High Temperature Commercial Heat Pump Range

ALLHTC19R134 · ALLHTC35R134 · ALLHTC70R134 · ALLHTC135R134

Max. water temperature 80°C

- Ideal solution for industrial hot water applications such as sterilising etc
- Highly economical to run
- Easy to install, self-contained, quiet in operation
- Eco-friendly R134A refrigerant
- Backed by Fourways Group nationwide



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Delivering excellent efficiency with high COP's, Alliance High Temperature Commercial Heat Pump range is the ideal solution for industrial hot water applications such as electroplating, laundries, abattoirs, food processing plants and sterilization of bottles. With the ability to heat water beyond a typical 60°C, these High Temperature Heat Pumps are suitable for the prevention and control of Legionella in large reticulation systems like hotels and hospitals. Thanks to Alliance's pioneering heat pump technology, these units are easy to install, self-contained and quiet in operation, while the use of R134A refrigerant ensures eco-friendliness. As with all Alliance products, these High Temperature Heat Pumps are backed by a network of branches in all major metropolitan areas.



Model		ALLHTC19R134	ALLHTC35R134	ALLHTC70R134	ALLHTC135R134
Operating air temperature	°C	-7 to 45	-7 to 45	-7 to 45	-7 to 45
Heating Capacity	kW	19	35	70	135
Consumed power	kW	5,3	8,3	19	38,6
COP		3,6	4,2	3,7	3,5
Power supply		230V~/ 50Hz	380V~415V/ 3 / 50Hz	380V~415V/ 3 / 50Hz	380V~415V/ 3 / 50Hz
Max power input	kW	7,5	15	25,09	77,3
Nominal Running current	A	14,3	31,5	48,77	108,5
Rated hot water capacity	L/hr	326	752	1204	3231
Controller		5 inch colour touch screen			
Heat exchanger		Patented tube in shell			
Compressor quantity		1	1	2	4
Compressor type		Copeland Scroll	Copeland Scroll	Copeland Scroll	Copeland Scroll
Refrigerant		R134a	R134a	R134a	R134a
Fan quantity		2	1	2	2
Fan direction		Horizontal	Vertical	Vertical	Vertical
Noise	dB(A)	58	60	63	70
Maximum set temperature	°C	80	80	80	80
Water connection	Inch	DN32	DN40 Flange	DN50 Flange	DN80 Flange
Nominal water flow	m3/h	3,3	6	12	23,3
Water pressure drop (max)	kPa	25	38	42	45
Built in circulation pump		Grundfos CM 3-3	Grundfos CM 5-3	Grundfos CM 10-2	External pump
Unit net dimensions (L*W*H)	mm	1048*445*605	1195*980*1900	1930*1050*1980	2350*1150*2370
Net weight	kg	219	363	757	1050

Test conditions: ambient temp. 20°C/15°C, water circulation from 15°C to 65°C

Alliance reserves the right to discontinue or change specifications at any time without notice and without incurring obligation. E&OE.

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