

Alliance

Affordable quality · Proven reliability · Since 2006

Alliance Cycle Heating Commercial Heat Pump Range

*ALLCH100R410 · ALLCH200R410 · ALLCH320R410
ALLCH888R410 models*

- Cost-effective hot water solutions for bulk usage
- COPs of up to 4.6
- Advanced control logic specifically for commercial applications – fast, stable hot water supply
- Eco-friendly R410A refrigerant



Total Comfort

Alliance Cycle Heating Commercials Heat Pump Range

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Alliance Cycle Heating Heat Pumps are the economical solution for commercial bulk hot water supply. Their robust design combines innovative technology that drastically reduces the electricity cost of hot water. Each time water cycles through the Heat Pump, temperature is raised by 5° to 10°C until pre-set levels are reached. Advanced control logic ensures a stable hot water supply. Alliance Cycle Heating Heat Pumps: the ideal solution for economical bulk hot water usage.



Model	ALLCH100R410	ALLCH200R410	ALLCH320R410	ALLCH888R410
Rated heating output	9.1 Kw	19.6 Kw	32 Kw	88.8 Kw
Rated power input	2.3 Kw	4.2 Kw	7.2 Kw	19.2 Kw
COP	3.9	4.6	4.4	4.6
Max running current	13.4 Amps	10.7 Amps	18 Amps	47 Amps
Power supply	200-240V / 1Ph / 50Hz	380-415V / 3Ph / 50Hz	380-415V / 3Ph / 50Hz	380-415V / 3Ph / 50Hz
Hot water volume	196	413	688	1908
Compressor	EVI Rotary	Scroll	Scroll	Scroll
Compressor Quantity	1	1	2	2
Fan Quantity	1	2	2	2
Water flow volume	1.5 m ³ /hr	3.4 m ³ /hr	5.5 m ³ /hr	15.5 m ³ /hr
Water pressure drop	60 kPa	90 kPa	110 kPa	100 kPa
Water pipe connections	1 inch	1 inch	1 ¹ / ₄ inch	DN65 Flange
Noise	56 dB(A)	58 dB(A)	66 dB(A)	72 dB(A)
Air discharge type	Horizontal	Horizontal	Vertical	Vertical
Operation range	-7 to 45	-15 to 45	-15 to 45	-15 to 45
Condenser	Patented tube in shell heat exchanger			
Max water temp	55°C	55°C	55°C	55°C
Casing	Galvanized metal	Galvanized metal	Galvanized metal	Galvanized metal
Net/gross weight	90/100(kg)	116/130(kg)	229/253(kg)	683/813(kg)
Net dimensions(LxWxH)	1042x445x605(mm)	1050x400x1245(mm)	1420x750x970(mm)	2180x1080x2100(mm)
Packing dimensions(LxWxH)	1140x470x980(mm)	1100x455x1380(mm)	1500x875x1250(mm)	2360x1280x2260(mm)
Refrigerant	R410A	R410A	R410A	R410A

Test conditions: ambient temp.20°C/15°C, water circulation from 15°C to 55°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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