

EXPERIENCE THE
ALLIANCE
DIFFERENCE

Alliance Commercial **ECO HEAT** Heat Pump Range

AEH11R410 · AEH19R410 · AEH38R410 · AEH50R410 · AEH100R410

- Famous brand high efficiency scroll compressor
 - GMCC, Gree & Danfoss
- High efficiency eco-friendly R410A refrigerant which does not pollute the ozone layer
- Intelligent control: micro processor based digital controller with LCD display
- Wi-Fi as standard. Connect and control your hot water from your phone.
- Adjustable water temperature setting: 25°C - 55°C
- Extremely energy efficient with COP's up to 4.55
- Patented high efficiency Tube in Shell water heat exchanger
- Electronic expansion valve (EEV) for reliability and high precision
- Automatic defrost function
- Advanced system protection
- Backed by Fourways Group industry leading warranty, service and technical support nationwide.



Alliance

www.allianceafrica.co.za

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Alliance Commercial ECO HEAT Heat Pump Range

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



SPECIFICATIONS

Model		AEH11R410	AEH19R410	AEH38R410	AEH50R410	AEH100R410
Heating capacity	kW	10,8	18,8	38	49	100
Rated power input	kW	2,58	4,56	8,75	10,76	21
Max. power input	kW	3,02	6,02	13,9	17,5	31,5
Max. current	A	15,2	11	24,9	36	53,3
COP		4,25	4,29	4,34	4,55	4,19
Hot water yield	Ltrs/hr	230	400	950	1400	2400
Operating range	°C	-15 to 43				
Power supply	V / Hz	230V / 50Hz	380V / 3 / 50Hz			
Compressor quantity		1	1	2	2	1
Compressor brand		GMCC	GREE LANDA	GREE LANDA	GREE LANDA	DANFOSS
Compressor model		PA330X3CS-4MU1	QXAS-H59SN345B	QXAS-H59SN345B	QXAS-H72SN345	CH290A4BBA
Throttle type		Electronic expansion valve				
Fan quantity		1	2	2	2	2
Built in pump Brand / Model		XINHU / GPD25-8SB	NA	NA	NA	NA
Water flow volume	m³/h	1,6	4	8	8,5	18
Water pressure drop	kPa	45	45	60	65	75
Water connection	mm	DN20	DN25	DN32	DN40	DN50
Noise	dB(A)	52	<54	<59	<64	<70
Air volume	m³/h	2200	4000	4000 x 2	12200	17000 x 2
Air discharge type		Horizontal	Horizontal	Vertical	Vertical	Vertical
Max water temperature	°C	55				
Heat exchanger		Patented tube in shell				
Controller		LCD Multi-function controller				
Refrigerant		R410a				
Casing		Powder coated galvanised sheet				
Net dimensions (L x W x H)	mm	985 x 420 798	1000 x 375 1320	1410 x 748 x 1000	1250 x 1076 x 1870	2198 x 1096 x 2176
Packaging dimensions (L x W x H)	mm	1158 x 560 x 1017	1070 x 445 x 1440	1440 x 830 x 1150	1285 x 1141 x 1998	2238 x 1162 x 2325
Net Weight	kg	68	149	259	450	715

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

Alliance

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