

EXPERIENCE THE
ALLIANCE
DIFFERENCE

Alliance **DIRECT HEATING** Heat Pump Range

· ALLDH21R417 · ALLDH43R417
· ALLDH71R417 · ALLDH92R417

- Famous brand high efficiency scroll compressor – Copeland
- High efficiency eco-friendly R417A refrigerant which does not pollute the ozone layer
- Adjustable water temperature setting: 25°C - 60°C
- Extremely energy efficient with COP's up to 4.6
- Patented high efficiency Tube in Shell water heat exchanger
- Electronic expansion valve (EEV) for reliability and high precision
- Wi-Fi ready
- Touch screen wired controller
- Automatic defrost function
- Advanced system protection
- Backed by Fourways Group industry leading warranty, service and technical support nationwide



Alliance

www.allianceafrica.co.za

fourways

Alliance's DIRECT HEATING Heat Pump

Alliance's Direct Heating Heat Pump range is the ideal economical hot water solution for hotels, guesthouses, B&B's, hostels, factories, apartments etc. The Alliance direct heating range of heat pumps adopt advanced variable flow rate control technology. A refrigerant pressure actuated water flow control valve ensures hot water is supplied at a constant pre-set temperature in winter and summer.

With a maximum outlet water temperature of 65°C the Alliance direct heating type heat pumps are capable of producing stored hot water in the tank of 60°C.



SPECIFICATIONS

Model		ALLDH21R417	ALLDH43R417	ALLDH71R417	ALLDH92R417
Heating capacity	kW	19	38	72	89
Rated power input	kW	4,53	9,21	17,6	21,8
Rated current	A	8,6	17,5	33,4	41,4
Max. power input	kW	7	14	24	30
Max. current	A	13,3	26,6	45,6	57
COP		4,2	4,1	4,1	4,1
Hot water yield	Ltrs/hr	409	818	1550	1916
Operating range	°C	-10 to 45			
Power supply	V / Hz	380V / 3 / 50Hz			
Compressor quantity		1	2	2	2
Compressor brand		Copeland	Copeland	Copeland	Copeland
Compressor model		ZW61KA-TFP-52E	ZW61KA-TFP-52E	ZW125KBE-TFP	ZW150KBE-TFP
Throttle type		Electronic expansion valve			
Fan quantity		1	2	2	2
Water flow volume	m3/h	3,1	6,2	12,2	14,9
Water pressure drop	kPa	70	75	95	115
Water connection		DN25	DN40	DN50	DN50
Noise	dB(A)	58	66	70	72
Fan air volume	m3/h	4500	9000	19000	19000
Fan air discharge type		Vertical	Vertical	Vertical	Vertical
Max outlet water temperature	°C	65			
Heat exchanger		Tube in shell		Tube in tube	
Controller		Colour touch screen LCD Multi-function controller - WiFi			
Refrigerant		R417a			
Refrigerant charge volume	g	3300	3300 x 2	6800 x 2	7500 x 2
Casing		Powder coated galvanised sheet			
Net dimensions (L x W x H)	mm	748 x 805 x 1074	1503 x 750 x 1068	2000 x 1100 x 1800	2000 x 1100 x 1800
Packaging dimensions (L x W x H)	mm	810 x 840 x 1208	1565 x 800 x 1216	2800 x 1170 x 1950	2800 x 1170 x 1950
Weight - Net / Gross	kg	128 / 155	245 / 285	560 / 625	585 / 650

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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