

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: 250°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

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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.



Model		ALLDH21R417	ALLDH43R417	ALLDH71R417	ALLDH92R417
Heating capacity	kW	20,9	42,6	70,8	92,3
Rated power input	kW	4,8	9,7	15,4	22,96
Rated current	A	4,5	18,4	29,1	40,3
Max. power input	kW	5,5	11,1	20,8	28,8
Max. current	A	10,4	20,8	39,4	54,5
COP		4,4	4,41	4,6	4,31
Hot water yield	Ltrs/hr	451	916	1522	1978
Operating range	°C	-5 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	4,7	7,7	15,5	19,8
Water pressure drop	kPa	50	60	75	85
Water connection		DN25	DN40	DN50	DN65
Noise	dB(A)	<55	<66	<70	<72
Fan air volume	m³/h	4500	9000	18000	22000
Fan air discharge type		Vertical	Vertical	Vertical	Vertical
Max outlet water temperature	°C	65			
Heat exchanger		High efficiency tube in shell			
Controller		LCD Multi-function controller			
Refrigerant		R417a			
Casing		Powder coated galvanised sheet			
Net dimensions (L x W x H)	mm	810 x 810 x 1055	1450 x 750 x 1150	1850 x 1000 x 1950	2000 x 1100 x 2080
Packaging dimensions (L x W x H)	mm	890 x 890 x 1255	1550 x 840 x 1350	1930 x 1100 x 2300	1930 x 1100 x 2300
Weight - Net / Gross	kg	145 / 155	280 / 300	560 / 588	582 / 615

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

Alliance

JHB & Central: (011) 704-6320
Pretoria: (012) 643-0445
Gqeberha (PE): (041) 484-6413

KZN: (031) 579-1895
CPT: (021) 556-8292
EL: (043) 722-0671

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