

Join the new revolution in Water Heating!

CUT WATER HEATING COSTS BY UP TO *TWO-THIRDS* WITH AN ALLIANCE AIR HEAT-PUMP WATER HEATER

**The cost-effective new NON-SOLAR way to heat water
– either in homes or commercially.**

- *Drastically cut electricity costs*
- *Cheaper to install than solar heating, no panels on the roof or exposed glass to break*
- *Heats at night and during cloudy weather*
- *Remote control with timer*
- *Water temperature adjustable from 40° to 60°*
- *Guaranteed and backed nationwide by Alliance Air*

(Note: no solar collectors on the roof!)



AllianceAir

JOIN THE NEW REVOLUTION IN WATER HEATING!



Alliance Air Heat Pump Water heaters drastically cut electricity bills, are easy to install and cost significantly less than solar heating

It's the new trend in water heating that's fast gaining momentum in South Africa! Whether in homes or hotels, water heating accounts for a large portion of electricity usage. And with rapidly increasing electricity costs, everyone's looking to cut down. That's why Alliance Air Water Heater sales are rocketing!

Specification Sheet

Alliance Air Water Heaters work on the same heat-pump principle as airconditioners, extracting ambient heat from the atmosphere but, instead, transferring it to water. Thus where in a normal geyser, 1 kW of electrical energy produces just 1 kW of heat energy, with an Alliance Air Heat Pump Water

Heater, 1 kW of electrical energy produces approximately 3 kW of heat energy. The result is water heated for only approximately one third of the electrical usage of a normal household geyser.

The domestic Alliance Air units comfortably heat from 100 litres to 500 litres of water, while the largest commercial unit is 77kW, capable of heating 1660 litres/hour. Modularity allows up to 7 sets to be linked, with water temperature adjustable from 40° to 60°. Eco-friendly and cheaper to install than solar heating, Alliance Air Water Heaters are guaranteed and backed nationwide by Alliance Air.

Model		ALLW2.8kW	ALLWH3.2kW	ALLWH5.0kW	ALLWH7.2kW	ALLW.INT	
Power Supply	Ph-V-Hz	1 - 220 - 50	1 - 220 - 50	1 - 220 - 50	1 - 220 - 50	1 - 220 - 50	
	Heating Capacity	Kw	2.8	3.2	4.5	7.2	1.5
	Power Consumption	Kw	0.81	0.85	1.07	1.64	0.5
Water Heating	COP		3	3.7	4.2	4.4	3.3
	Rated Current	A	3.2	3.7	6	8.5	3.2
Recommended Water Tank	Volume	L	100 ~ 180	100 ~ 250	100 ~ 400	100 ~ 500	190ℓ Storage Tank
Refrigerant			R 22	R410A	R410A	R410A	R134A
Outdoor Noise level	dB(A)		44	49	57	55	48
Max. Pipe Length	m		8	8	8	8	n/a
Max. Height Difference	m		3	3	3	3	n/a
Operating Conditions (Ambient Temp)	°C		-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C	-20°C~43°C
Water Outlet Temp.	°C		40 ~ 55	40 ~ 60	40 ~ 60	40 ~ 60	70°C

Test Conditions: Outdoor temp. 20/15°C (DB/WB), inlet water temp. 15°C, outlet water temp. 55°C

Due to Alliance Air's policy of constant improvement, specifications are subject to change without notice. E&OE.

