

Alliance

Combo Heat Pump

Ideal for all residential and commercial applications

Compact all-in-one unit – easily installed!

SANS 151 compliant

Electricity savings of up to **66% and more!**



- *Combination storage tank and Heat Pump*
- *Cuts water heating costs by two-thirds or more!*
- *Complies with XA2 Energy Usage Regulations*
- *170-litre capacity tank with 5-year warranty*
- *Water heating adjustable from 38°C to 60°C*
- *Intelligent control*
- *Heats day and night in any weather*
- *Backed nationwide by Alliance branches in every major metropolitan area*



Alliance Combo Heat Pump



- LOCALLY TESTED – SANS 151 COMPLIANT**

Alliance Integrated 170-litre Heat Pumps have been tested for South African conditions and are SANS 151 compliant.

- ENABLES DEVELOPERS TO COMPLY WITH BUILDING REGULATIONS**

Alliance Heat Pump sales have soared since the 'Energy Usage in Building Regulations (XA2) law came into being in 2011, requiring all new buildings to have 50% of their hot water supplied by means other than electrical element heating. The compact Alliance Combo unit enables developers to comply with these regulations, especially in multi-storey flats where solar panels cannot be installed.

- COMPACT – QUICKLY AND EASILY FITTED**

Combining both storage tank and Heat Pump Water Heater, the Alliance Combo unit is easily installed without the need for complicated plumbing work. It can be located on balconies, under carports or under a cover outdoors, while top inlet/outlet vents allow external ducting thus enabling indoor installation.

- UP TO 60°C WATER TEMPERATURE - WHATEVER THE WEATHER!**

The Alliance Combo unit heats day or night, in rainy weather, from -20°C to 43°C ambient temperature. 60°C outlet water temperature fully meets clients' needs. Vertical tank minimises mixing of incoming cold water with heated water, while an integrated electric booster ensures pre-set temperatures are reached.

- GREEN ENERGY-SAVING ENVIRONMENTAL EFFICIENCY**

Utilising eco-friendly refrigerant gas, the Alliance Combo Heat Pump has an energy-efficient COP of 3.45, reducing the cost of water heating by 66% or more and ensuring ever-increasing savings as electricity prices increase.

- INTELLIGENT CONTROL**

With 6 timer settings, the Alliance Combo unit can be set to meet specific client requirements or when electricity demand is low. A 'Vacation' setting ensures energy savings when residents are away, while an automatic weekly disinfect function heats water to 65°C to kill potential bacteria. Additional features are Auto Restart, Auto Defrosting, Overload Protector and Temperature Controller.

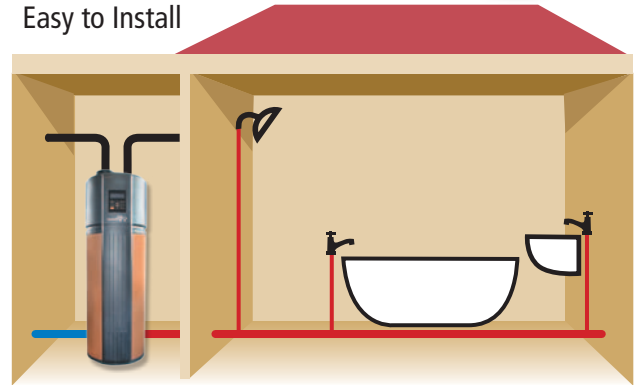
- ENGINEERED-IN QUALITY AND SAFETY**

An extensive Research & Development programme ensures top quality. The manufacturers of Alliance Water Heaters employ over 300 senior engineers and operate 31 approved test laboratories, guaranteeing the innovation and high quality of Alliance All-in-One Heat Pumps.

- NATIONWIDE SALES AND SUPPORT**

Alliance Heat Pumps are a subsidiary of Fourways Airconditioning South Africa with branches in all major metropolitan areas, providing comprehensive after-sales technical and parts support.

Easy to Install



Model	ALLWH190
Water heating cap.	1450W
Rated power/AMPS	3800W/17A
Power supply	220-240V~ 50Hz
Protectors	1)High-pressure 2) Overload 3) Temp Controller 4) Electric Leakage
E-heater back-up power	2000W
COP	3.45
Refrigerant	R134a (900g)
Water Pipeline system	
Outlet water temp.	Default 60°C (38-70°C adjustable)
Water side exchanger	Safety condenser, copper tube wrapped around outside of storage tank
Inlet pipe Dia.	DN20
Outlet pipe Dia.	DN20
Drain pipe Dia.	DN20
PT valve Dia.	DN20
Rated pressure	0.6MPa
Exchanger Air Side	
Sound level	41 db(A)
Dimensions	Φ560×1680mm
Water tank cap.	170L
Net weight	94kg
Test conditions: Ambient temperature 15/12°C (DB/WB), Water temperature from 15°C up to 45°C.	

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