



**Trusted by
industry leaders.**

Add warmth to life

**with Kwikpump domestic
integrated heat pumps.**



Product application

The Kwikpump Integrated Domestic Heat Pump is a combination of a hot water cylinder with a conventional electric element and with an energy-efficient heat pump mounted on top of the cylinder. The primary uses for domestic household application and also to supply hot water to small businesses such as hairdressing salons and spas. Available in tank volumes: 150L, 175L and 275L units.

Electricity consumption is only used to transfer heat from the surrounding environment, such as air. The heat pump has the ability to absorb heat (not create heat) and transfer

heat by means of a refrigerant, which captures the heat in the ambient air and transfers it to heated water.

The fan on the heat pump circulates air through the evaporator that acts as a heat collector. The liquid refrigerant in the evaporator absorbs the available heat in the ambient air, transforming it into gaseous refrigerant. The refrigerant gas is then pumped into a compressor. When this warmed refrigerant gas is compressed, it intensifies the heat.

This intensely hot refrigerant is then pumped through a copper coil that is wrapped around the outside of the tank where the actual heat transfer takes place. The hot gas in the coil gives up its heat to the cooler water. The refrigerant returns to a liquid state and is pumped through an expansion valve and then into an evaporator air coil, which starts the process all over again.



Kwikpump 150L

Factory Model No.
GT-SKR010C150-V

HP-150-V
R134a

Features

- The inner cylinder is manufactured from duplex stainless steel, providing longevity and hygiene.
- Polyurethane insulation between the inner cylinder and outer casement reduces heat loss.
- Aesthetically appealing appliance with casement.
- A vertical air discharge heat pump with highly efficient heat exchanger.
- Includes a micro-computer with timer and temperature functions, which automatically starts and stops the heat pump according to the water temperature and the timer setting.
- Space saving due to the integration of the cylinder and heat pump.
- Works in all weather conditions even at night.
- Environmentally friendly, thereby reducing global greenhouse effects.
- For maintenance purposes, the water heater and the heat pump can be separated.

Energy saving

Heat pumps are one of the most efficient hot water heating systems available, as they utilise the solar heat stored in the surrounding environment.

This free environment energy provides approximately 75% of the heat pumps heating energy and only approximately 25% of external energy is required in the form of electricity, in order to achieve a heat output of 100%.

Product specifications

Kwikpump 150L Integrated Domestic Heat Pump

Kwikpump 175L Integrated Domestic Heat Pump

Kwikpump 275L Integrated Domestic Heat Pump

Main product info

Product Code	HP-150-V	HP-200-V	HP-300-V
Factory Model No.	GT-SKR010C150-V	GT-SKR010C200-V	GT-SKR010C300-V

Technical info

Water Tank Volume	150L	175L	275L
Power Supply	220-240V~/ 50HZ/1PH	220-240V~/ 50HZ/1PH	220-240V~/ 50HZ/1PH
Heating Capacity	3.6kW	3.6kW	3.6kW
Max Input Current	5.5A	5.5A	5.5A
Max Input Power	1.2kW	1.2kW	1.2kW
Rated Current	4.1A	4.1A	4.1A
Rated Input Power	0.9kW	0.9kW	0.9kW
Compressor Input Power	1.5kW	1.5kW	1.5kW
Element kW Rating	0.86kW	0.86kW	0.86kW
Max Exhaust Pressure Of Compressor	2.85Mpa	2.85Mpa	2.85Mpa
Max Suction Pressure Of Compressor	0.7Mpa	0.7Mpa	0.7Mpa
Max Working Pressure Of Heat Exchanger	3.0Mpa	3.0Mpa	3.0Mpa
Allowable Pressure Of System	3.0Mpa	3.0Mpa	3.0Mpa
Refrigerant	R134A/1.5kg	R134A/1.5kg	R134A/1.5kg
Fan Type	Vortex	Vortex	Vortex
Inner Cylinder	Duplex Stainless Steel 2205	Duplex Stainless Steel 2205	Duplex Stainless Steel 2205
Degree of Protection	IPX4	IPX4	IPX4
Protection Against Electric Shock			
Earth Requirement	≤0.1Ω	≤0.1Ω	≤0.1Ω
Water Connection	G¾"	G¾"	G¾"
Duct Connection (mm)	150	150	150
Noise Level	<55dB(A)	<55dB(A)	<55dB(A)
Size (mm)	600W x 1378H	600W x 1608H	600W x 2004H
Nett Weight	85kg	91kg	101kg
Hot Water Temp. Range/Default	28-70°C/60°C	28-70°C/60°C	28-70°C/60°C
Working Ambient Temperature	-7~43°C	-7~43°C	-7~43°C

Product warranty

- The period of the warranty is from the date of installation providing that documentation of proof of installation is furnished, or alternatively from the date of manufacture, as determined from the manufacturers data plate.
- The heat pump component has a five year warranty period.
- The inner stainless steel cylinder of the hot water component, has a five year warranty period.
- The warranty only applies to defects, which have risen solely due to faulty materials and workmanship during the manufacturing process.
- If any component fails and cannot be repaired on site, the integrated heat pump will be removed and taken away for repair, then re-installed once the repair work has been carried out.
- The warranty on the installation is carried by the installer.

Product Installation data

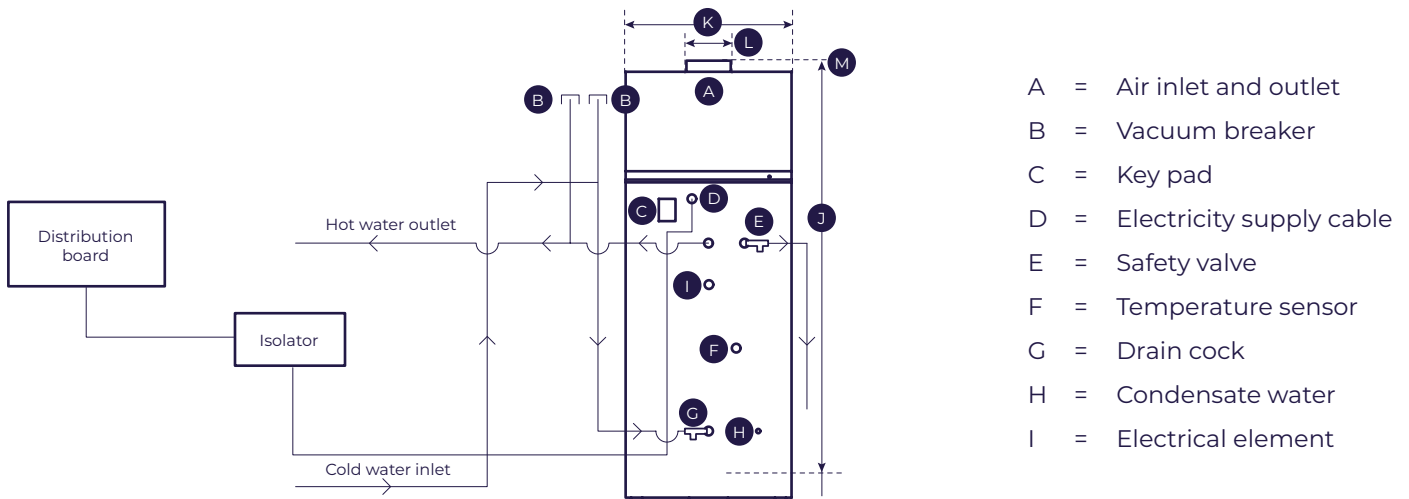
- Because the integrated heat pump uses less than a third of the energy of a normal electric water heater (geyser), it qualifies for installation in terms of SANS 10400XA.
- The integrated heat pump must be well ventilated and installed undercover, ensuring that rain water does not fall into the air inlet/outlet.
- The installation position should allow for condensate water discharge from the heat pump.
- The ground surface area must be hard, smooth and even, in order to revert any vibration.
- The connection of the heat pump and element to the electrical power source, must be done by a qualified electrician.
- The heat pump is supplied with a 400kpa safety valve (T&P valve) and drain cock.

Installation accessories

- Temperature and pressure relief safety valve
- Drain cock
- Element and thermostat kit

Installation specifications

Product Code	Water Tank Volume (L)	Dimension J (mm)	Dimensions K (mm)	Dimensions L (mm)	Dimensions M (mm)	Circuit Breaker
HP-150-V	150	1378	600	150	30	3.6kW - 4.5A = 20A
HP-200-V	190	1604	600	150	30	
HP-300-V	270	2004	600	150	30	



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