

RENEWABLE ENERGY  
GIVES YOU THE POWER TO SAVE

**Kwikpump**  
DOMESTIC HEAT PUMPS



**SUPREME**



**STANDARD**

HEATS WATER AT **1/3** OF THE **COST**

## HOW DOES IT WORK

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 HEAT WATER.

THE FAN ON THE HEAT PUMP CIRCULATES AIR THROUGH THE OUTER EVAPORATOR THAT ACTS AS A HEAT COLLECTOR. THE LIQUID REFRIGERANT IN THE EVAPORATOR ABSORBS THE AVAILABLE ENERGY IN THE AMBIENT AIR, THE REFRIGERANT ENTERS THE COMPRESSOR IN A GASEOUS STATE. AFTER COMPRESSION, THE REFRIGERANT LEAVES THE COMPRESSOR STILL IN A GASEOUS STATE, BUT AT A HIGHER TEMPERATURE AND PRESSURE

THIS INTENSELY HOT REFRIGERANT IS THEN PUMPED INTO A HEAT EXCHANGER CONDENSER WHERE THE ACTUAL HEAT TRANSFER TAKES PLACE. AS THE WATER PASSES THROUGH THE HEAT EXCHANGER, THE HOT GAS 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.

## FEATURES

- DOMESTIC APPLICATION IN HOUSEHOLDS TO HEAT WATER IN ELECTRIC GEYSERS AND SOLAR WATER HEATERS.
- CAN BE USED FOR OTHER APPLICATIONS WHERE HOT WATER IS READILY USED, SUCH AS HAIRDRESSING SALONS AND SPAS.
- WORKS IN ALL WEATHER CONDITIONS AND EVEN AT NIGHT.
- MICRO -COMPUTER CONTROLLED WITH TIMER FUNCTION, THE HEAT PUMP AUTOMATICALLY STARTS UP AND STOPS ACCORDING TO THE WATER TEMPERATURE AND THE TEMPERATURE SETTING.
- SUPER SIZED EVAPORATOR COIL WITH HIGH EFFICIENCY HYDROPHILIC ALUMINIUM FIN AND INNER GROOVED COPPER PIPE, PROVIDE HIGHER PERFORMANCE IN COLD WEATHER CONDITIONS.
- HIGH EFFICIENCY HEAT EXCHANGER.
- PROVIDES THE SAME AMOUNT OF HOT WATER AT A THIRD OF THE COST THAN OTHER WATER HEATERS.
- ENVIRONMENTALLY FRIENDLY, FREE OF POLLUTIONS THEREBY REDUCING GLOBAL GREEN HOUSE EFFECTS.



**MICRO-COMPUTER  
WITH TIMER FUNCTION**

## FEATURES BETWEEN INLAND & COASTAL OUTER CASING

	 <b>STANDARD (METAL CASING)</b>	 <b>SUPREME (ABS CASING)</b>	<b>ADVANTAGES ABS CASING</b>
<b>BOTTOM SHEET; FRAME &amp; BRACKET</b>	<b>GALVANISED STEEL SHEET POWDER COATED</b>	<b>STAINLESS STEEL 201 POWDER COATED</b>	<b>RUST PREVENTATIVE &amp; DURABLE</b>
<b>FRONT; BACK &amp; SIDE GRID</b>	<b>NORMAL STEEL WITH POWDER PAINTING</b>		
<b>CABINET</b>	<b>GALVANISED STEEL SHEET POWDER COATED</b>	<b>ANTI-UV ABS</b>	
<b>WATER PUMP</b>	<b>GRUNDFOS PLASTIC BLADE PUMP</b>		<b>FOR HARSH WATER</b>

# 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%.



**SUPREME**



**STANDARD**

## PRODUCT INSTALATION

- THE HEAT PUMP IS FOR AN OUTDOOR INSTALLATION AND THE SPACE FOR THE INSTALLATION MUST BE WELL VENTILATED.
- THE INSTALLATION POSITION SHOULD ALLOW FOR WATER DISCHARGE FROM THE HEAT PUMP.
- FOR A GROUND LEVEL INSTALLATION, THE SURFACE AREA MUST BE HARD, SMOOTH AND EVEN IN ORDER TO PREVENT ANY VIBRATION.
- THE HEAT PUMP CAN ALTERNATIVELY BE INSTALLED ON A WALL BY USING THE PROVIDED WALL-MOUNTING BRACKETS AND COMPONENTS.
- THE CONNECTING OF THE HEAT PUMP TO THE ELECTRICAL POWER SOURCE, MUST BE UNDERTAKEN BY A QUALIFIED ELECTRICIAN. OFFER A SEPARATE POWER POINT, WHICH MEETS THE RATED REQUIREMENTS FOR THE HEAT PUMP. DO NOT USE THE MAIN POWER SWITCH TO CONTROL THE SWITCHING ON AND OFF OF THE HEAT PUMP.
- INSTALLATION KIT COMPONENTS.

I N S T A L L A T I O N K I T



**DRAIN COCK COMBINATION VALVE**



**2 X LEVER BALL VALVES**



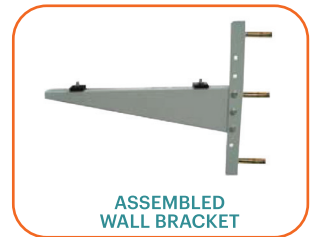
**Y - STRAINER**



**LOAD CONTROL VALVE**

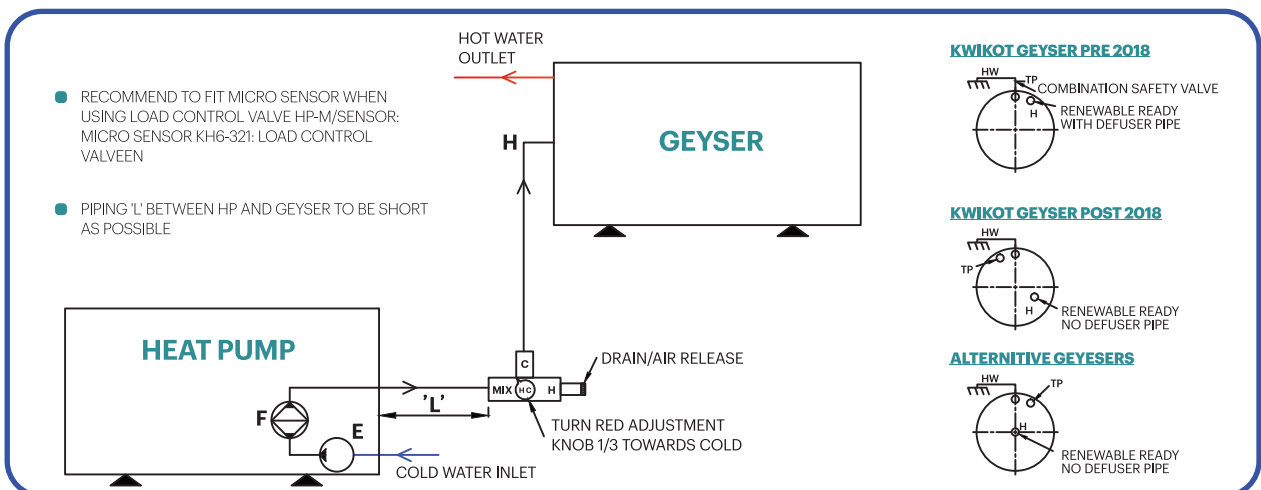


**MICRO SENSOR**



**ASSEMBLED WALL BRACKET**

## INSTALLATION DIAGRAM



# PRODUCT SPECIFICATION

DOMESTIC HEAT PUMPS			
PRODUCT CODE: STANDARD	HP-003	HP-005	HP-007
PRODUCT CODE: SUPREME	HP-003PC	HP-005PC	HP-007PC
POWER SUPPLY	220-240V~/50HZ/1PH	220-240V~/50HZ/1PH	220-240V~/50HZ/1PH
HEATING CAPACITY	2530W	3850W	5500W
HOT WATER OUTPUT	54.4L/H	83L/H	118L/H
STANDARD INPUT CURRENT	3.1A	4.4A	6.6A
STANDARD INPUT POWER	660W	960W	1430W
MAX INPUT CURRENT	4.6A	6.8A	10A
MAX INPUT POWER	990W	1450W	2150W
MAX DISCHARGE/SUCTION PRESSURE	2.8/0.8MPA	2.8/0.8MPA	2.8/0.8MPA
MAX PRESSURE FOR HEAT EXCHANGER	2.8MPA	2.8MPA	2.8MPA
REFRIGERANT/WEIGHT	R134A/1150G	R134A/1550G	R134A/1650G
DEGREE OF PROTECTION	IPX4	IPX4	IPX4
PROTECTION AGAINST ELECTRIC SHOCK	I	I	I
EARTH CONNECTION	≤0.1Ω	≤0.1Ω	≤0.1Ω
NET WEIGHT	47KG	54KG	57KG
SIZE	885×360×600MM	885×360×600MM	885×360×600MM
WATER CONNECTION	G3/4"	G3/4"	G3/4"
NOISE LEVEL	<52DB(A)	<52DB(A)	<52DB(A)
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 HEAT PUMP HAS A TWO-YEAR WARRANTY PERIOD FROM DATE OF INSTALLATION, PROVIDED THAT THE WARRANTY REPLY CARD HAS BEEN CORRECTLY COMPLETED AND SUBMITTED TO ELECTROLUX SA (PTY) LTD.
- THE WARRANTY ONLY APPLIES TO DEFECTS, WHICH HAVE ARISEN SOLELY DUE TO FAULTY MATERIALS AND WORKMANSHIP DURING THE MANUFACTURING PROCESS.
- IF ANY COMPONENT FAILS OVER THE WARRANTY PERIOD, THE HEAT PUMP WILL BE REMOVED FROM THE INSTALLATION AND TAKEN AWAY FOR REPAIR, THEN RE-INSTALLED ONCE THE REPAIR WORK HAS BEEN CARRIED OUT. THE PIPING FROM THE HEAT PUMP TO THE WATER HEATER WILL BE SEALED OFF BY THE TECHNICIAN, SO THAT THE WATER HEATER CAN OPERATE WITHOUT THE HEAT PUMP.
- THE WARRANTY ON THE INSTALLATION IS CARRIED BY THE INSTALLER.

**Electrolux SA (Pty) Ltd**



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