PIUSI 12V/24V DC HIGH SPEED BATTERY PUMP KIT

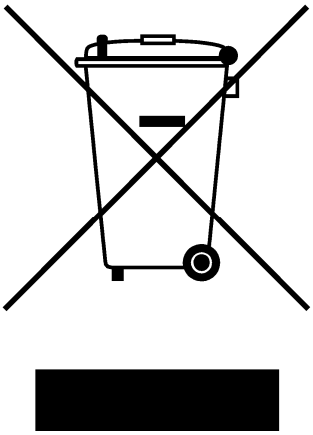
Applies to the following models **ONLY:**

12BIKIT	24BIKIT	12BIKIT2	24BIKIT2

Please read carefully **BEFORE** commencing installation.

Registered Office: HYTEK (GB) LIMITED,
Delta House, Green Street, Elsenham, Bishop's Stortford,
CM22 6DS UK.
Registered in England No. 1915382
Tel: +44 (0) 1279 815 600
Email: info@hytekgb.com

ENVIRONMENTAL INFORMATION



UK Regulation SI 2013 3113 requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product must be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities.

FAILURE TO COMPLY WITH ANY OF THE FOLLOWING WILL INVALIDATE THE PUMP WARRANTY.

1. This pump MUST NOT be used to dispense petrol or other highly flammable liquids.

2. It must not be sited adjacent to a petrol dispenser or in any other hazardous zone.

3. Assembly of this equipment and its associated pipe work and fittings should only be carried out by qualified fuel installation engineers.

4. The pump must only be operated when the pump chamber is full of liquid. It must not be run "Dry".

5. The pump must only be operated with the suction strainer fitted to the inlet of the pump unit in accordance with the installation instructions on the following page.

6. The maximum continuous running time when operated using a 12V DC or 24V DC supply must not exceed 30 minutes. Run on bypass for maximum of 2-3 minutes only.

7. The installation must conform to all relevant electrical and local authority regulations and standards.

PRODUCT DESCRIPTION

The 12BI pump kit is designed to pump clean non-flammable liquids such as diesel or gas oil using a 12 Volt DC or 24 Volt DC electrical supply (model dependent).

ASSEMBLY (12BIKIT, 12BIKIT2 & 24BIKIT)

1. Fit a hose tail to the foot valve. Seal threaded joint with PTFE supplied.
2. Cut the required length of 1” hose from the 7 metre hose supplied. This will be for the suction. Fit hose to the foot valve assembly, securing with a worm drive clip.
3. Note the flow direction arrow on the pump casting. Now seal a brass hose tail into the inlet pump port using PTFE tape to seal the joint. Now fit the suction hose to the pump inlet hose tail, securing with a worm drive clip.
4. Fit a hose tail to the nozzle using PTFE tape. Fit a suitable length of the 1" hose supplied to the fuel delivery nozzle using a worm drive clip.
5. Fit the remaining hose tail to the pump outlet using PTFE tape. In turn, fit the delivery hose securing with a worm drive clip.

INSTALLATION

Use the pump mounting plate to securely mount the pump. The pump can be installed in any position, with the pump axis either horizontal or vertical.

OPERATION

PRIMING: If an automatic dispensing nozzle is installed on the end of the delivery line, the evacuation of air in the system will be difficult. It is recommended that the automatic dispensing nozzle be temporarily disconnected during the initial priming phase.

1 Connect the pump to a suitable 12 Volt DC or 24 Volt DC power supply (model dependent)**.**

2. Ensure that the pump chamber is primed with the liquid to be pumped.

3. Ensure that the end of the suction hose/pipe is fully immersed in the fuel to be pumped and place the fuel delivery nozzle in the tank / container to be filled.

4. Switch on pump using the switch and dispense fuel.

5. After fuelling is completed, turn the pump off using the switch.

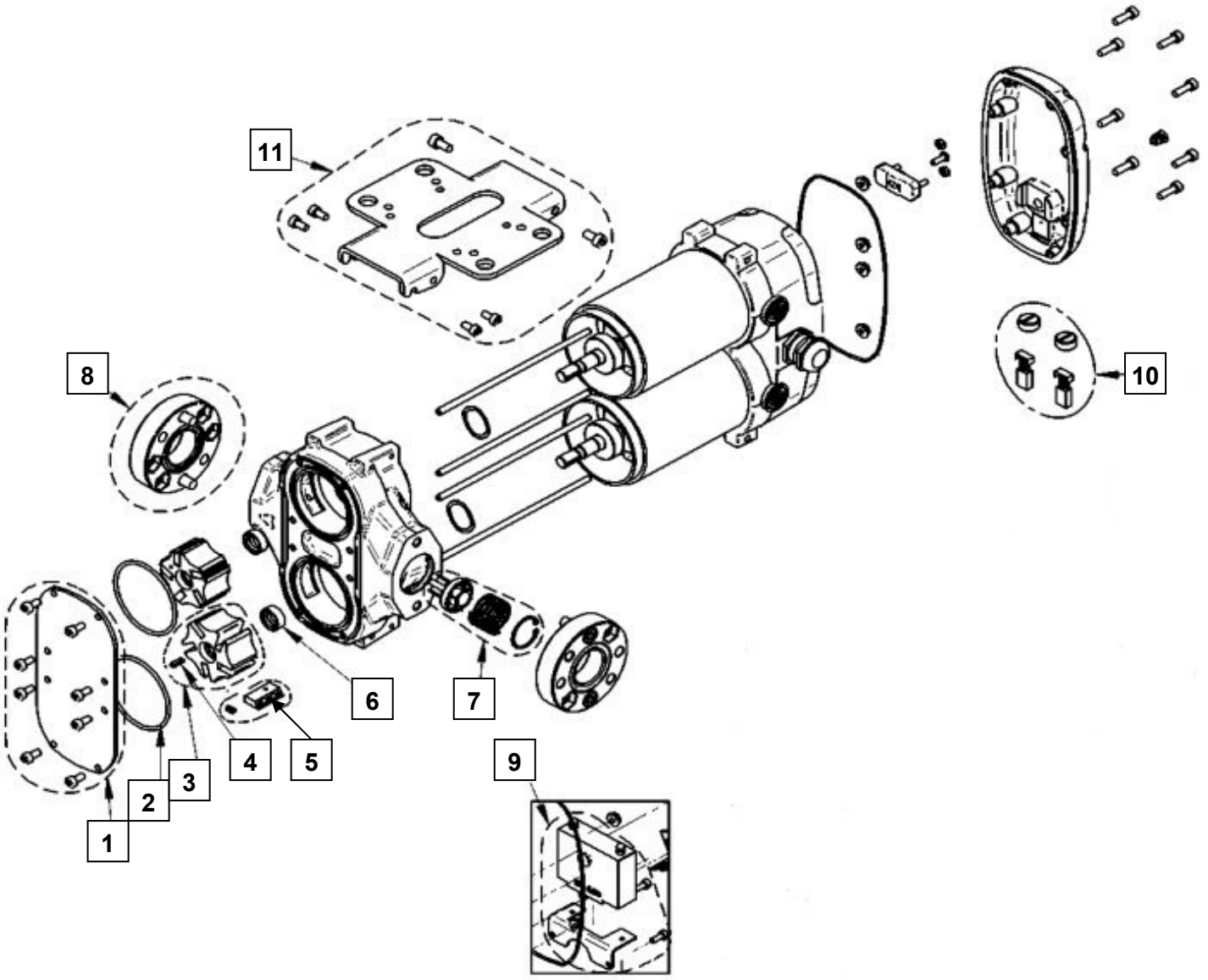
TROUBLESHOOTING

IF PUMP FAILS TO PRIME: Check suction line for leaks or obstructions. Check bypass valve for dirt.

PUMP IS JAMMED: If the motor hums but pump will not start, the probable cause is a stuck rotor. Remove rotor cover and check rotors and vanes.

LOW PUMPING CAPACITY: Strainer may be clogged, bypass valve not seating properly, obstruction in the suction line, make sure all rotor vanes slide easily in their slots.

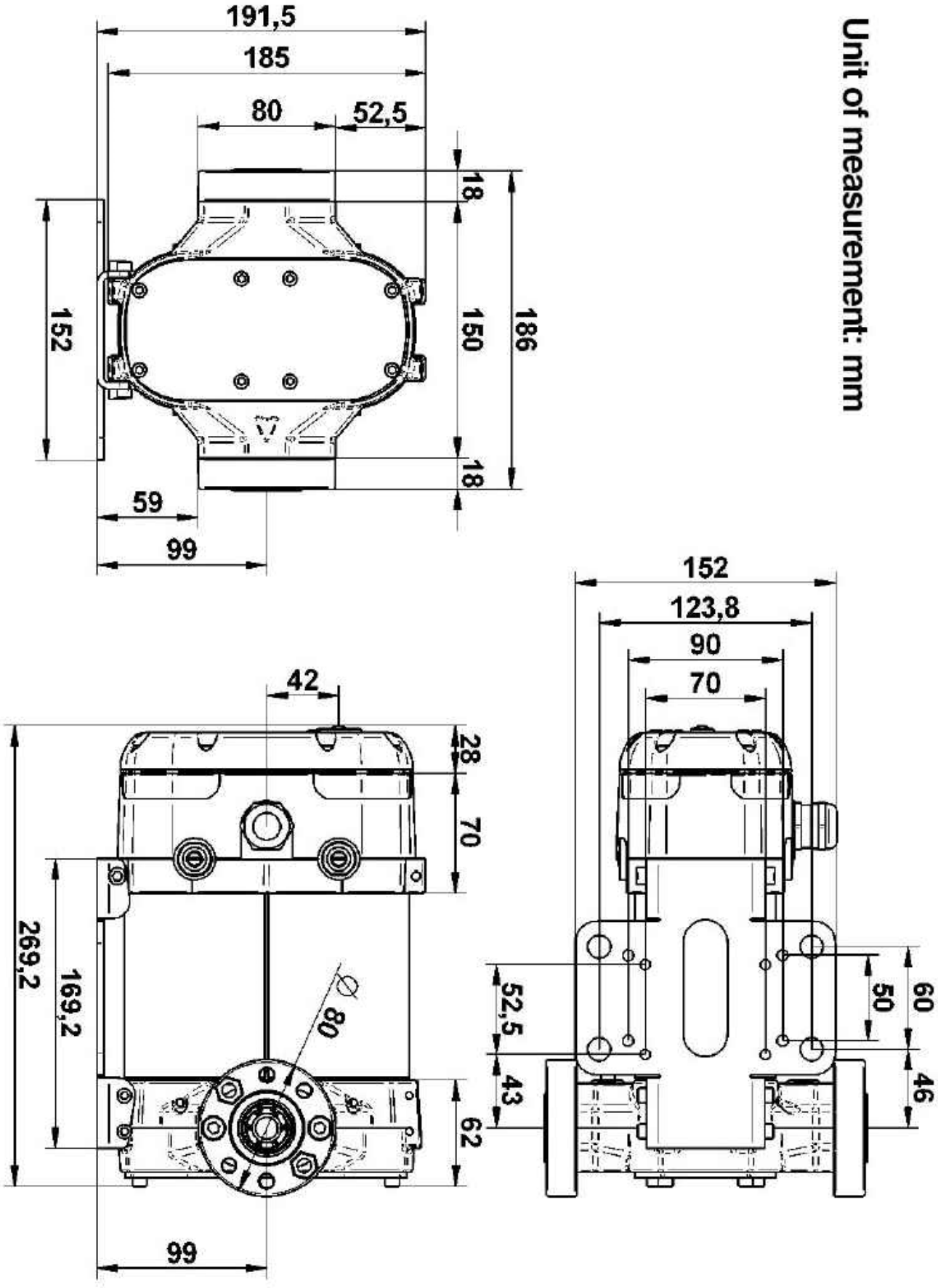
EXPLODED PARTS DIAGRAM



PARTS LIST

ITEM	PART DESCRIPTION	PART NUMBER
1	Rotor plate	Contact Hytek
2	Pump Housing O-ring (2 per pump)	12BI.17
3	Rotor (2 per pump)	Contact Hytek
4	Shaft Key	Contact Hytek
5	Vanes (5 per rotor)	12BI.1
6	Shaft Seal (2 per pump)	12BI.16
7	Bypass Assembly	12BI.3
8	Flange Kit (2x Flanges with O-rings)	EP80.13
9	On/Off Switch	12BI.2
10	Motor Brushes (4 per pump)	12BI.13
11	Pump Mounting Plate	Contact Hytek

DIMENSIONS


Unit of measurement: mm
191,5
185
80
52,5
18
152
150
186
18
59
99
152
123,8
90
70
42
28
70
269,2
169,2
Ø 80
62
99
52,5
43
50
60
46

HYTEK (GB) LIMITED, Delta House, Green Street, Elsenham, Bishop's Stortford CM22 6DS UK.
Tel: +44 (0) 1279 815 600 Fax: +44 (0) 1279 812 978 email: info@hytekgb.com
Web: www.hytekgb.com