

Technical Data

ECONOMY PUMP UNIT

230v - 50 LPM

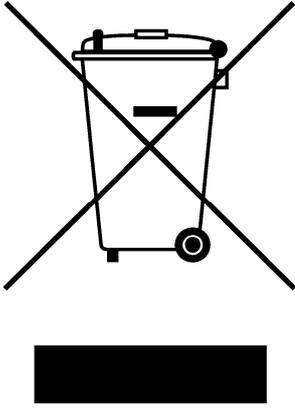


Applies to the following models **only**:

- SPT60A - SPT60A.B

Please read carefully **before** commencing installation

ENVIRONMENTAL INFORMATION



European Directives 2002/96/EC and 2003/108/EC require that the equipment bearing this symbol on the product an/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.

PRODUCT DESCRIPTION

Direct drive, self priming, vane pump unit designed for pumping diesel or biodiesel up to B30. (B100 on SPT60A.B version) The pump has 1" BSPT flanged inlet/outlet ports and is rated at IP55 for outdoor use.

IMPORTANT WARNING NOTES

1. This pump **MUST NOT** be used to dispense petrol or other flammable liquids with a flash point below 55°C.
2. It must not be sited adjacent to a petrol dispenser or any other hazardous zone.
3. On above ground storage tanks, a spring loaded angle check valve or pressure regulating valve must be fitted at the tank outlet to prevent loss of fuel under gravity in the event of vandalism or accidental damage.
4. Installation of this equipment and its associated tank, pipe work and fittings should only be carried out by qualified fuel installation engineers.
5. The installation must conform to all relevant electrical and local authority regulations and standards.

INSTALLATION

1. The pump unit may have had its mounting feet removed for packaging purposes. If so, mount the feet onto the bottom of the pump unit using the nuts and bolts supplied.
2. If no wall-mounting bracket is supplied, mount on a horizontal surface using the holes provided in the pump feet, or use a tank/barrel mount adaptor if provided.
3. Connect the pipe from the tank to the suction inlet of the pump. The inlet thread is 1" BSP female. If the pump is more than 2m from the tank the pipe should be 1½ diameter reducing to the appropriate size just before the pump inlet. Seal the threads with a suitable thread-sealing compound.
4. Connect a suitable "soft wall" hose to the pump outlet. In turn, fit a suitable trigger or automatic nozzle onto the hose. Seal both with a suitable thread-sealing compound.
5. Connect the flying lead to a suitable power supply, fused at 10 amps for 230v AC.

230v AC: Brown – Live
 Blue – Neutral
 Yellow/Green – Earth

6. To prime the pump, first ensure the pump is switched off, there is fuel in the tank, and the end of the suction hose is fully immersed. Unscrew the filter cap on the pump unit and pour in fuel until the pump chamber is full. Replace the filter cap and operate as per instruction for use.

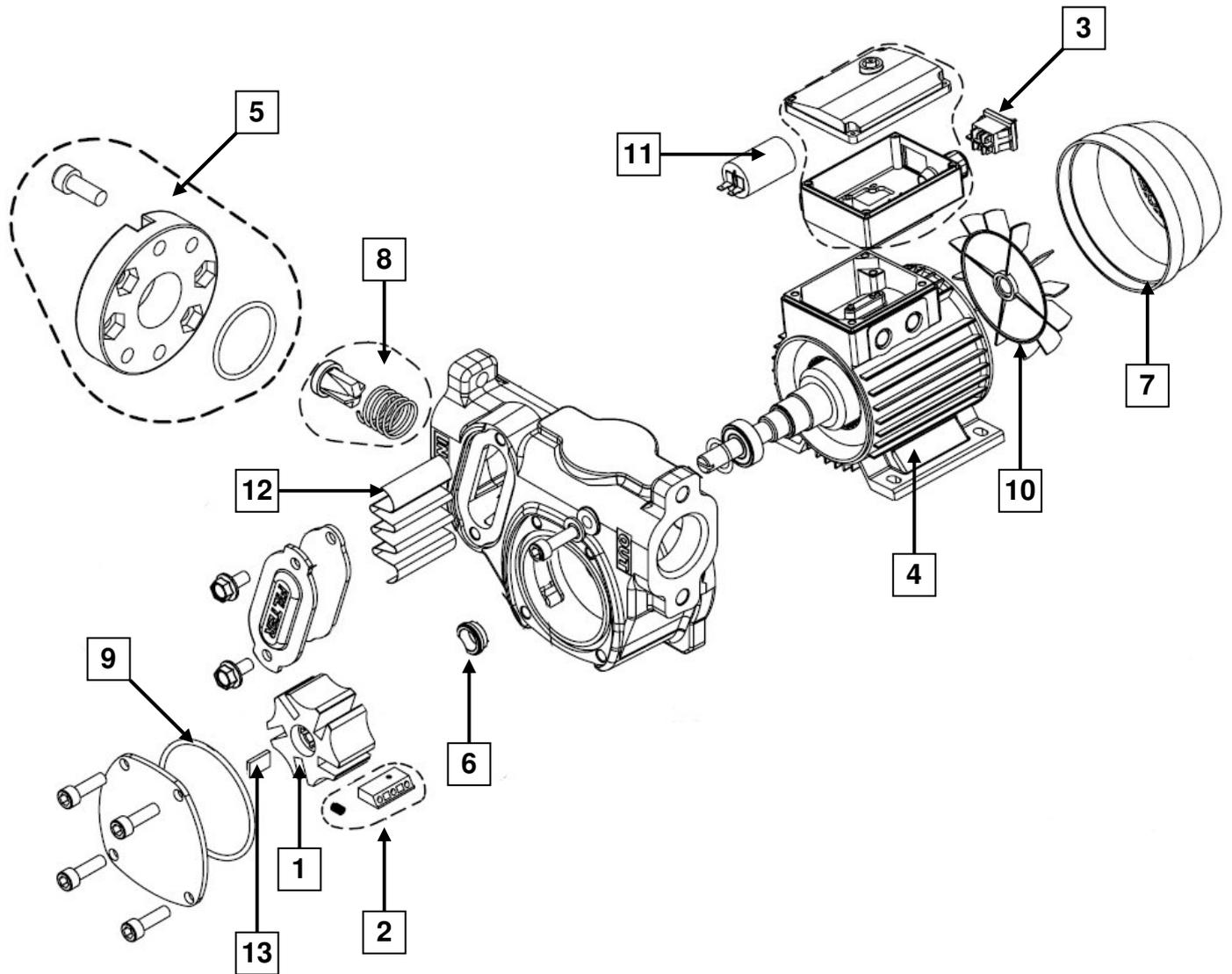
INSTRUCTIONS FOR USE

1. Switch on pump.
2. Place nozzle spout in the fuel tank.
3. Squeeze nozzle trigger to dispense fuel.
4. On completion of delivery, release nozzle trigger and remove nozzle from fuel tank.

OPERATION WARNING - FAILURE TO OBSERVE THE WARNINGS BELOW MAY LEAD TO THE PUMP UNIT BEING DAMAGED:

1. Please ensure that the delivery hose is stowed correctly after each use to prevent it being run over by a vehicle.
2. Do not run the pump dry.
3. Do not run the pump for prolonged periods on bypass. (Nozzle closed).
Maximum running time on bypass = 2 minutes.
4. Do not use this product if it is leaking or damaged.
5. Do not use this product for longer than the recommended duty cycle.
6. Do not use this product if it becomes hot to the touch.
7. Do not use this product with liquids with a flash point under 55°C.
8. Do not use this product in an enclosed environment or without adequate ventilation.

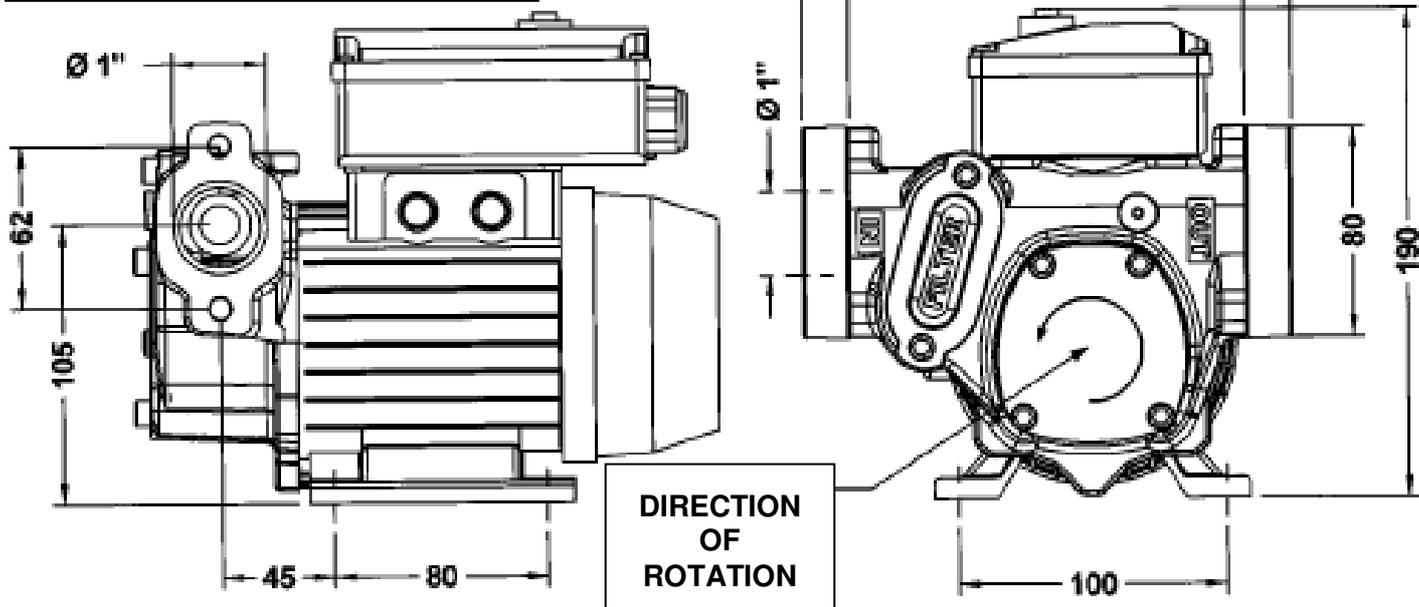
EXPLODED DIAGRAM AND PARTS LIST



ITEM	PART DESCRIPTION	PART NUMBER
1	Rotor	SPT60A.1
2	Vanes (5 per rotor)	SPT60A.2
3	On/Off Switch	SPT60A.3
4	Foot casting (2 per pump)	SPT60A.4
5	Flange Kit (2x Flanges with O-rings)	EP80.13
6	Shaft Seal	SPT60A.6
7	Fan Cover	SPT60A.7
8	Bypass Assembly	SPT60A.8
9	Pump Housing O-ring	SPT60A.9
10	Fan/Impellor	SPT60A.10
11	Capacitor	SPT60A.11
12	Gauze filter	SPT60A.12
13	Shaft Key	SPT60A.13

TECH DATA

SPT60A DIMENSIONS



E.C. DECLARATION OF CONFORMITY

Date of Issue: 28th May 2014

Equipment Details: SPT60A Pump Unit and Motor

Applicable Standards: EMC
EN61000-6-3:2007
EN61000-3-2:2006
EN61000-3-3:2008 Emissions
EN61000-6-1:2007 Immunity
2006/95/EC Electrical Eq. (Low Voltage)
Machinery Directive 2006/42/EC
The Pressure Equipment Regulations
1999 S.I. 1999/2001
Entry Into Force:- 29 November 1999
Amended to S.I. 2002/1267
Pressure Equipment Directive 97/23/EC
Waste Electrical and Electronic Equipment
Regulations 2006
2002/96/EC 2003/108/EC
2011/65/EU RoHS Directive

Certificate Numbers:
and Details RoHS test report number NB2010060608
By Product Technology Service (Ningbo)
6&7F, 59, Huayu Road, Yinzhou District
Ningbo 315192 P.R. China

Certificate Numbers:
and Details EMC test report number:
SZEE090616404102-1
By Centre Testing International Corporation
Building C, Hongwei Industrial Zone,
Baoan 70 District, Shenzhen, Guangdong,
China

Authorized By: Clive Wellings Technical Manager Hytek

Declaration Number: EC075/1

THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROTECTED BY COPYRIGHT © AND PROPERTY LAWS
AND IS THE SOLE PROPERTY OF HYTEK (GB) LTD. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT
THE WRITTEN PERMISSION OF HYTEK (GB) LTD IS PROHIBITED.