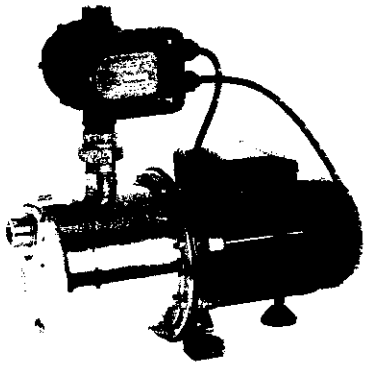
VADA - PRESSURE PUMP

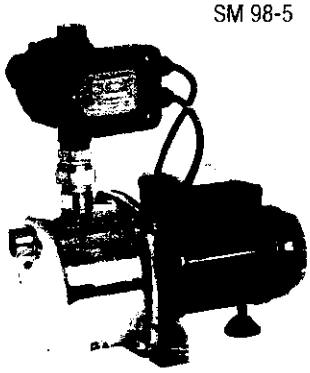
Machine Type: 1442 Manual #
Pump Pressure 240 volt 505

SPECIFICATIONS

Technical Data	SM 85-3	SM 98-5
Supply voltage	240 V ~ 50 Hz	240 V ~ 50 Hz
Power consumption	900W	1300W
Curent input	4,0 A	6,0 A
Required fuse • Fusible	10 A	10 A
Insulation class	F	F
Protective device	IP 44	IP 44
Capacitor capacity	10 µF	16 µF
Maximum head height	35 m	60 m
Maximum delivery	90 L/min	100 L/min
Max. suction height	8 m	8 m
Max. Water temper	35°C	35°C
Pressure pipe min.	1"	1"
Weight	8,0 Kg.	13,0 Kg.
Packing Dimensions	42x19x23	45x21x24



SM 98-5



SM 85-3

WARRANTY & CARE DETAILS

Dear Customer,

This is the warranty by Reece Pty. Ltd. relating to your this product. Please keep it together with your purchase receipt. In the unlikely event of a query please contact your nearest Reece Plumbing Centre.

Warranty

You have purchased a quality product from Reece Australia. This product is covered by a 12 month warranty. This warranty covers faults in the product construction, material and assembly. Faulty products will be repaired or exchanged free of charge. Faulty items become our property.

Please note that every product is subject to a stringent final inspection before it is delivered.

This warranty does not include faults caused by

- Unsuitable or improper use
- Incorrect installation
- Normal wear and tear
- Inadequate or complete lack of maintenance
- Chemical, electrochemical or electrical influences.

Warranty repairs may only be performed by our service representatives or an authorized customer service workshop.

Any attempt to repair the device by the customer or an unauthorised third parties shall terminate the warranty..

Any warranty service granted by Reece will niether extend the period of the warranty nor will any new warranty period be justified for any parts repaired or replaced by us.

To the maximum extent permitted by law, Reece excludes all warranties other than those set out above. In the event of a warranty claim, we will replace or repair defective products, or pay for the cost of having defective products repaired or replaced, but will not be liable for any injury to any person, damage to any property, any indirect or consequential loss, or in any other respect.

EC declaration of conformity
It is hereby declared that the item below conforms with the following directives:
• 98/37/CE
IP2: 2.2 kW - VHz rated, curve point at Qmax → LpA measured: ≤ 76 dB(A)R 1m - H 1m
IP2 ≥ 2.2 kW - VHz rated, curve point at Qmax → LpA measured: ≤ 80 dB(A)R 1m - H 1m
• 73/23/CE • 89/336/CE
• 2000/14/CE
IP2: 2.2 kW - V rated Hz, curve point at Qmax → LWA measured 84 dB(A)/Ref guaranteed 85 dB(A)Procedure followed: Enclosure 7
IP2 ≥ 2.2 kW - V rated Hz, curve point at Qmax → LWA measured 94 dB(A)/Ref guaranteed 95 dB(A)Procedure followed: Enclosure 7
Applied harmonized standards
• EN 60034-1/EN 60335-1/EN 60335-2-41/EN 292-1/EN 292-2/EN 55014/EN ISO 3744

vada reece Plumbing Centres

VADA - PRESSURE PUMPS

1. Safety Measures

- Read carefully the operating instructions before assembling and starting. The appliance must not be used by operators who are not thoroughly acquainted with the instructions handbook (operating instructions). The appliance is not intended for use by young children or infirm persons without supervision. Young childreen should be supervised to ensure they do not play with the appliance.
- The user is liable towards third parties in the area where the appliance is in operation.
- Before starting it is necessary to check that the necessary electrical protection measures are met, by means of a test carried out by a specialist.

WHILST using the pump, there should be no person in the water or liquid to be pumped, and the carrying out of any type

of maintenance is strictly forbidden. The pump may be connected only by means of a safety switch for fault currents, with an opening

rated current up to 30 mA and a socket with an earth contact in compliance with the regulations. Protection: at least 10 Amps.

Operation in swimming pools and garden ponds is not

recommended. For other operation, the provisions in conformity with

the standard VDE 0100 part 702 must be respected.

CAUTION: Before checking, unplug the pump

from the mains! Replacing the power supply cable requires using

special tools and therefore you must address to the authorized after-sales service.

The pump may only operate with an extension obtained through cable mod. H07 RNF and a thread section of no less than 1 mm in compliance with the DIN 57282 or DIN 57245 standard.

- The noise (continuous equivalent in dbA) of the motor-driven pumps is less or equal (≤) to 70 dbA.
- The voltage (230 Volts alternating current) indicated on the pump rating plate must correspond to the available mains voltage.
- The temperature of the liquid conveyed must not exceed 35°C.
- Never attempt to lift or move the pump by stretching the power-supply cable whilst it is plugged into the mains.
- Make sure that the plugged electrical connections are in an area safe from flooding and are protected from humidity.
- Before use it is necessary to check that the plug and the mains connection line are not damaged.
- Unplug from the mains before performing any work on the pump.
- Avoid directly exposing the pump to the jet of water.
- The user is responsible for complying with the local regulations concerning assembly and safety.
- The user by taking appropriate measures (e.g. installing an alarm, reserve pump and the like) will have to exclude the possibility of indirect damage caused by flooding premises due to failure of the pump.
- In the event of the pump failing, repair work may only be carried out by the repair workshops of the technical service. Only genuine spare parts must be used.
- It is notified that in conformity with the law on product liability we cannot be held responsible for the damage caused by our appliance:

a) because of improper repairs not carried out by the personnel of the assistance points authorized by us; or

b) if GENUINE SPARE PARTS are not used to replace parts; or

c) if the indications and provisions given in the instructions handbook are not complied with. The same provisions hold for the accessories.

Resistance

This pump should not be used to convey inflammable, combustible or explosive liquids.

2. Use

CAUTION! Sector of use

- For irrigation and watering of lawns, gardens, vegetable patches, etc.
- For operating garden sprinkler systems
- For drawing water from ponds, streams, water butts and wells, subject to fitting of suitable filter.

Acceptable liquids

In order to pump clear water (fresh water), rainwater or non-aggressive chemical cleaning solutions. Abrasive liquids or any other type of corrosive liquid could damage or destroy the pump.

Operating Instructions

Generally speaking it is recommended to use a preliminary filter and exhauster with a suction hose, suitable and foot valve (reflux lock) to avoid long suction times and pointlessly damaging the pump due to stones and solid foreign bodies.

VADA - PRESSURE PUMPS

3. Before Starting

Your irrigation pump is self-priming. Before starting for the first time, the pump has to be filled through the delivery union with the delivery liquid until it overflows.

Suction Piping

- Fit the water suction pipe so that it points upwards towards the pump. Absolutely avoid fitting the suction pipe higher than the pump (formation of air bubbles in the suction pipe).
- The suction and delivery piping must be fitted so as not to be able to apply any mechanical pressure on the pump.
- The suction valve should be situated at least 30 cm. below the bottom water level.
- Suction pipes that are not airtight suck in air obstructing suction of the water.

Delivery Piping

During suction, the cut-off parts (sprayers, valves, etc.) situated in the delivery piping have to be fully open so that the air in the suction pipe can be freely expelled.

Maintenance Instructions

The irrigation pump is entirely maintenance-free. Should the pump become blocked, first try rinsing. Should it turn out that the blockage is due to the inefficiency or complete absence of the filters, dismantle the hydraulic section and thoroughly rinse the interior, carefully reassemble and refit the filters correctly before turning back on.

- If there is a risk of frost, the pump has to be emptied completely.
- When the pump is not going to be used for a long time, for instance in the winter period, it is recommended to rinse out the pump thoroughly with water, empty it completely and store it in a dry place.
- Before restarting, check whether the pump works freely by briefly connecting and disconnecting it.
- Then fill the pump again with the delivery liquid and set it up for use.

CAUTION!

In order to work, the pump must always be filled with the delivery liquid until it overflows! Caution: The pump must never run dry. The manufacturer's warranty is null and void in the event of damage to the pump caused by its running dry. Check that the pump is airtight, in fact not airtight pipes draw in air preventing the pump from workin properly.

TROUBLESHOOTING

Marhi Type: 1442

SCANNED

Pump Pressure 240 volt

5. Troubleshooting Table

Trouble	Cause	Remedy
Motor will not start	• No mains voltage. • Pump impeller jammed • Thermostat detached.	• Check voltage. • Dismantle the hydraulic section and check whether the impeller rotates freely; reassemble with care.
Pump will not suck	• Suction valve not in water. • Pump chamber with no water. • Air in suction pipe. • Suction valve not airtight. • Suction rose dirty. • Max. suction lift exceeded.	• Put the suction valve into water (min. 30 cm.) • Pour water into the suction union. • Check airtight of the suct. pipe. • Clean the suction valve. • Clean the suction rose. • Check the suction lift.
Insufficient rate of flow.	• Suction lift too high. • Dirty suction rose. • Water level falls quickly. • Pump flow rate reduced by foreign bodies.	• Check suction lift. • Clean the suction rose. • Set the suct. valve lower down. • Clean the pump and replace the worn parts.
Thermal cutout switches off pump.	• Motor overload. Excessive friction caused by foreign bodies.	• Eliminate the foreign bodies. Wait for the thermal cutout switch to trigger again (approx. 20 mins.).

If it is not possible to eliminate the trouble, please call our service department.
To avoid damage during transport, please ship in the ORIGINAL PACKING