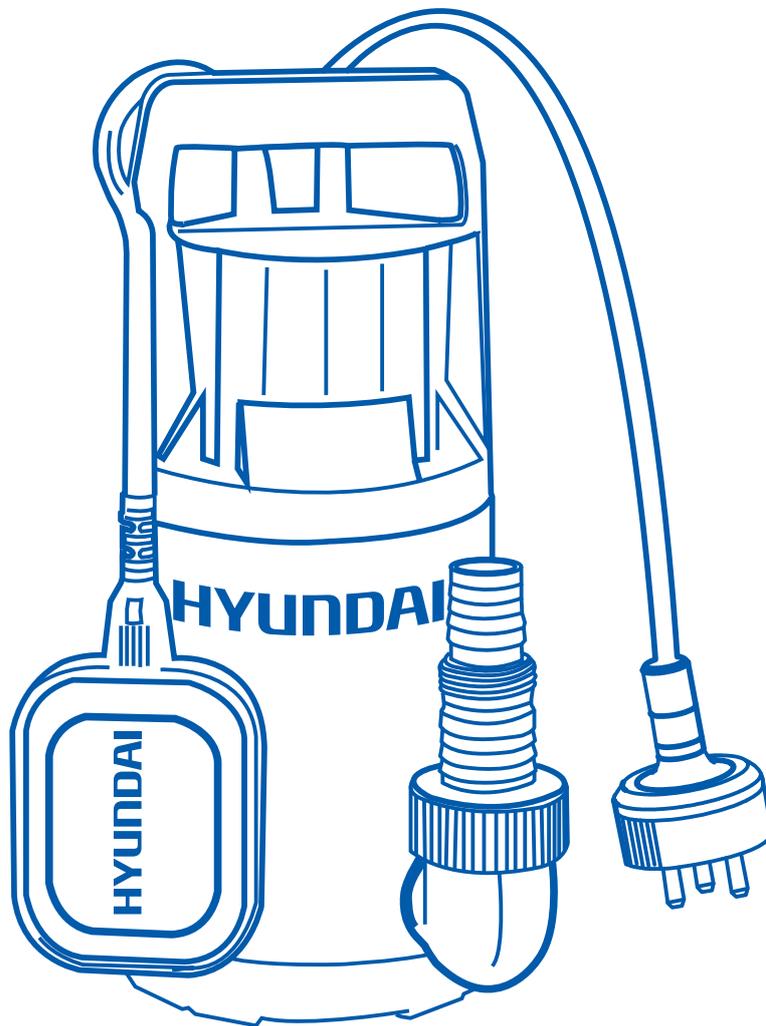


# HYUNDAI

## ELECTRIC WATER PUMPS

Models HY25032C - HY40038SSC - HY55038SSD - HY80032SSC - HY85038CD  
HY85038D - HY90038C



## User Manual

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## 1. BEFORE YOU BEGIN

### 1.1. Intended use.

- 1.1.1. The appliance is intended for pumping rainwater, fresh water, mains water and chlorinated swimming pool water.
- 1.1.2. It must not be used for the drinking water supply or for the delivery of foodstuffs.
- 1.1.3. Explosive, flammable, aggressive or health-hazardous substances and faecal matter must not be pumped.
- 1.1.4. The appliance is not suitable for commercial or industrial use.
- 1.1.5. The appliance is not suitable for continuous running (e. g. permanent circulation in filter systems).
- 1.1.6. It is not suitable for use with liquids containing abrasive materials (e. g. sand) or containing mixtures of dirt, sand, mud or clay.
- 1.1.7. Any other use is considered improper. Unpredictable damage can occur as a result of improper use, modifications to the appliance or due to the use of parts which have not been tested and approved by the manufacturer!

## 2. SAFETY

### 2.1. What do the symbols used mean?

- 2.1.1. Danger notices and information are clearly marked throughout these instructions for use. The following symbols are used:

|  <b>DANGER</b> |  <b>WARNING</b>   |  <b>NOTE</b>           |
|---|--|---|
| Failure to observe this danger notice may cause physical injury or death.                         | This danger notice warns of damage to the appliance, the environment or other property.  | This symbol signifies information that may help you reach a better understanding of the processes involved. |
|                | Read these instructions for use carefully before using the appliance for the first time!<br>These instructions contain all information necessary to safely use this appliance and provide for its extended lifespan.<br>Please make sure to observe all safety information included in these instructions! |   |

### 2.2. General safety instructions.

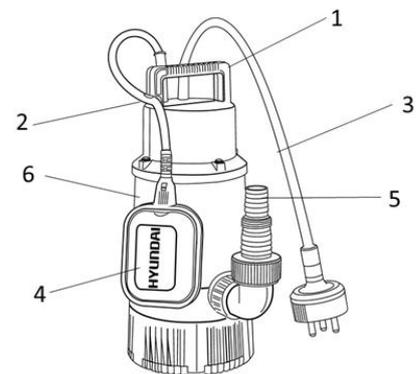
- 2.2.1. To operate this appliance safely, the user must have read and understood these instructions for use before using the appliance for the first time.
- 2.2.2. Always keep the operating instructions within reach.
- 2.2.3. If you sell or pass the appliance on, you must also hand over these operating instructions.
- 2.2.4. Observe all safety instructions! Failure to do so may cause harm to you and others.
- 2.2.5. Do not use the appliance in potentially explosive areas or in the vicinity of flammable liquids or gases!
- 2.2.6. Do not touch the mains plug with wet hands! Always disconnect the mains plug by pulling the plug and not the cable.

- 2.2.7. The pump must be connected to earthed sockets which have been properly installed, earthed and tested. Mains voltage and fuse must comply with the technical data.
- 2.2.8. During operation for swimming pools, garden ponds and similar places, the appliance must be equipped with a residual current circuit breaker (RCCB) with a design fault current of not more than 30 mA.
- 2.2.9. Do not kink, crush, drag or drive over the mains cable; protect against sharp edges, oil and heat.
- 2.2.10. Extension cables must not be used.
- 2.2.11. Disconnect the mains plug before all work on the appliance.
- 2.2.12. Do not install and switch on the appliance if there are people or animals in the medium being pumped (e. g. a swimming pool), or they are in contact with it.
- 2.2.13. Children and young people under the age of 16 years must not use this appliance, and must be kept away from it when it is in operation.
- 2.2.14. Repairs must be carried out only by a qualified electrician.
- 2.2.15. If repairs are carried out incorrectly, there is a danger of liquid penetrating into the electrical components of the appliance.

### 3. COMPONENTS

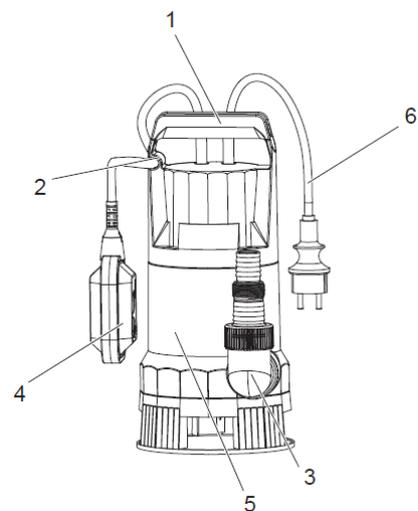
#### 3.1. HY80032SSC.

|   |
|---|
| 1. Carrying handle                      |
| 2. Float switch height adjustment       |
| 3. Mains cable and plug                 |
| 4. Float Switch                         |
| 5. Hose adapter for pressure connection |
| 6. Pump casing                          |



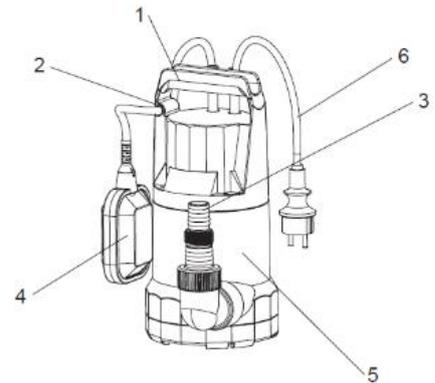
#### 3.2. HY55038SSD/HY85038D.

|   |
|---|
| 1. Carrying handle                      |
| 2. Float switch height adjustment       |
| 3. Hose adapter for pressure connection |
| 4. Float Switch                         |
| 5. Pump casing                          |
| 6. Mains cable and plug                 |



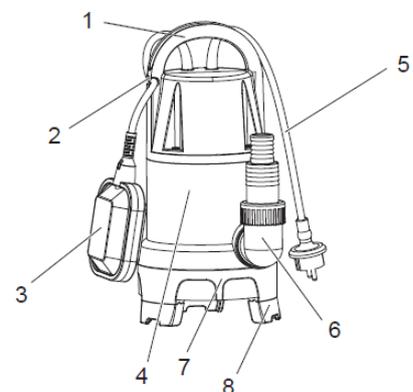
### 3.3. HY25032C/HY90038C.

|   |
|---|
| 1. Carrying handle                      |
| 2. Float switch height adjustment       |
| 3. Hose adapter for pressure connection |
| 4. Float Switch                         |
| 5. Pump casing                          |
| 6. Mains cable and plug                 |



### 3.4. HY40038SSC/HY85038SD.

|   |
|---|
| 1. Carrying handle                      |
| 2. Float switch height adjustment       |
| 3. Float Switch                         |
| 4. Pump casing                          |
| 5. Mains cable and plug                 |
| 6. Hose adaptor for pressure connection |
| 7. Pump base                            |
| 8. Feet                                 |



## 4. OPERATION

### 4.1. Installation and commissioning.

|   |  |
|---|--|
|  <b>NOTE</b> | <p>Attach a sufficiently long and strong rope to the handle before first use.</p> <p>The pump is submerged into the liquid on this holding rope and can also be carried with it as well as with the handle.</p> <p>In the case of continuous use of the pump with the rope, the condition of the rope must be checked regularly as it can decay and break over time.</p> |
|---|--|

#### 4.1.1. Connecting the pressure pipe.

- 4.1.1.1. For occasional use, use a suitable water hose.
- 4.1.1.2. The use of rigid pipes with a non-return valve is recommended for use at a fixed location. This prevents return flow of the liquid when switching off.
- 4.1.1.3. Threaded connection details see page 11.
- 4.1.1.4. Screw pressure line onto the pressure connection.
- 4.1.1.5. All threaded connections must be sealed with a suitable sealing tape.
- 4.1.1.6. When using a hose, screw a suitable hose adapter onto the pressure connection.
- 4.1.1.7. Push the hose firmly onto the hose adapter and secure with a hose clamp.

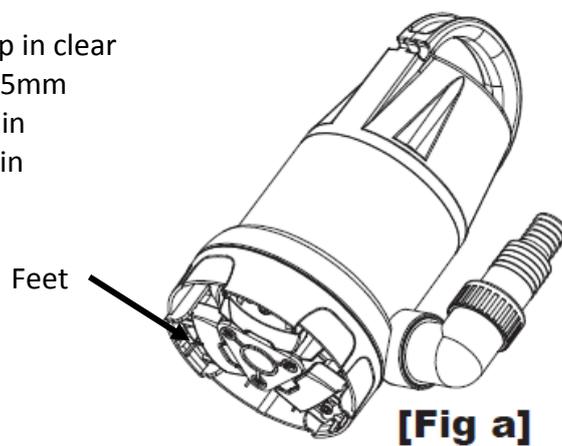
#### 4.1.2. Installation.

- 4.1.2.1. The appliance needs an area of at least 50 × 50 cm and the float switch must be able to move freely so that it functions properly.
- 4.1.2.2. The appliance can be submerged under water up to the submerged operating depth mentioned in the technical data.
- 4.1.2.3. Install the appliance so that the suction openings cannot be blocked by foreign bodies (place the appliance on a firm, even base if necessary).
- 4.1.2.4. Ensure that the appliance is stable.

#### 4.1.3. Clear water-dirty water mode. (Models - HY40038SSC/HY85038SD).

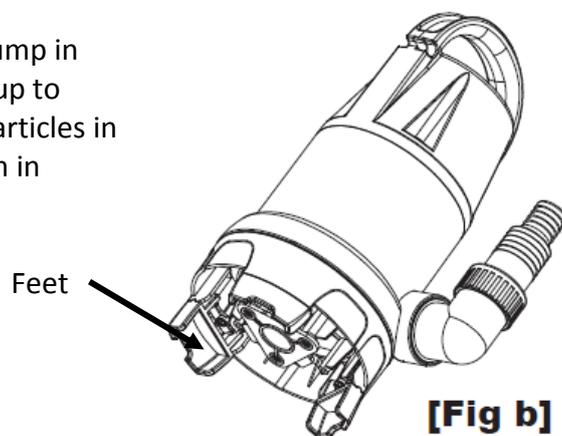
##### 4.1.3.1. Clear water mode (figure a).

- 4.1.3.1.1. Fold the feet to use the pump in clear water mode allowing suction up to 5mm from the ground and with particles in suspension that are less than 5mm in diameter.



##### 4.1.3.2. Dirty water mode (figure b).

- 4.1.3.2.1. Unfold the feet to use the pump in dirty water mode allowing suction up to 30mm from the ground and with particles in suspension that are less than 30mm in diameter.



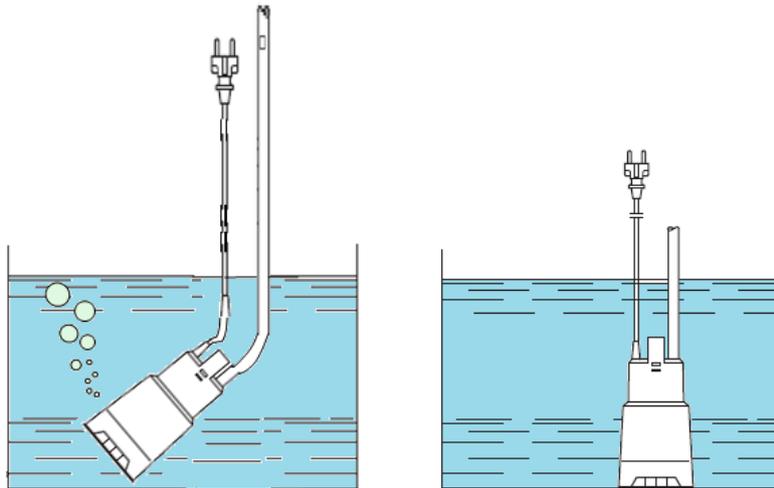
## 4.2. Operation.



### WARNING

Do not lift the pump with the cable or pressure hose as these are not designed for the tensile stress from the weight of the pump.

- 4.2.1. Submerge the pump at an angle into the liquid to be pumped so that no air pocket forms on the underside of the appliance. Suction would be prevented by this air pocket.



- 4.2.2. Once the pump is submerged, it can be righted again.  
4.2.3. Leave the pump on the bottom of the liquid container. Use a strong rope attached to the carrying handle of the pump for lowering.  
4.2.4. Tighten the end of the rope firmly after lowering.  
4.2.5. The pump can also be operated while suspended on a rope.



### NOTE

For operation with rope:  
Do not operate the pump without pressure hose.  
Avoid the pump twisting around its longitudinal axis.

- 4.2.6. After the appliance has been connected to the mains power supply, the pump can start to pump.



### WARNING

The float switch must be able to move so that the submersible pump cannot run dry.

5. CLEANING AND MAINTENANCE

5.1. Cleaning and Maintenance overview.

5.1.1. Before every use;

| <b>What?</b>                        | <b>How?</b>  |
|-------------------------------------|--|
| Check casing and cables for damage. | Visual inspection.   |
| Check float switch for damage.      | Lift and shake the switch to check the free movement of the contained metal balls. |

5.1.2. After every use;

| <b>What?</b>         | <b>How?</b>        |
|----------------------|--------------------|
| Clean the appliance. | See details below. |

5.2. Cleaning the appliance externally.

5.2.1. Rinse with clean water.

5.2.2. Remove stubborn contamination with a brush and detergent.

5.2.3. Submerge the pump in a container with clean water and switch on for a short time to rinse the inside of the pump.

5.3. Cleaning the suction area

5.3.1. Clean all accessible insides of the casing.

5.3.2. Remove any fibres which may have wound around the rotor shaft by opening the pressure connection.

5.4. Remove stubborn contamination with a brush and detergent.

|   |   |
|---|---|
|  <b>NOTE</b> | Before using the pump again, first “soak” it so that any possible dirt residues do not block the appliance. |
|---|---|

6. STORAGE

|  |   |
|--|---|
|  <b>WARNING</b> | Risk of damage to the appliance!<br>Frost can destroy the appliance and accessories, as these always contain water! |
|--|---|

6.1. If there is a risk of frost, dismantle the appliance and accessories, clean them and store in a place protected from frost.

## 7. DISPOSAL

|   |   |   |
|---|---|---|
|  <b>NOTE</b> |  | <p>Products which are labelled with the adjacent symbol must not be disposed of in household rubbish. You must dispose of packaging and old electrical and electronic equipment separately.</p> |
|---|---|---|

### 7.1. Disposing of packaging.

7.1.1. The packaging consists of cardboard and correspondingly marked plastics that can be recycled.

7.1.1.1. Recycle all packaging materials.

### 7.2. Disposing of appliance (at end of life).

7.2.1. Please check with your local authority about the possibilities for correct disposal.

## 8. TROUBLESHOOTING

|   |  |
|---|--|
|  <b>DANGER</b> | <p>Danger of physical injury and death!<br/>Improperly conducted repairs may prevent your appliance from working safely. Such repairs will endanger you and your surroundings.</p> |
|---|--|

8.1. Minor faults are often sufficient to cause a malfunction. In most cases, you will be able to correct these faults easily yourself.

8.2. Please start by referring to the following table before contacting our technical support.

8.3. This will help you save much effort and possibly expense.

8.4. If you are unable to correct a fault yourself, please contact our technical support directly.

8.5. Please note that improperly conducted repairs will void your warranty and may cause you additional expense.

| Fault/Malfunction            | Cause   | Remedy   |
|------------------------------|---|--|
| Pump does not run.           | No mains voltage.   | Check cables, plug, socket and fuse.   |
|                              | Motor overheats due to: <ul style="list-style-type: none"> <li>• liquid temperature too High.</li> <li>• blocking by foreign bodies?</li> </ul> | Eliminate the cause of the overheating (max. temperature of liquid<br>► Technical data – page 11).             |
|                              | Residual current circuit breaker (RCCB) has tripped.  | Reset RCCB.<br>Contact qualified electrician if RCCB trips again.  |
|                              | Motor defective.  | Contact dealer.  |
| Pump runs but does not pump. | Suction openings blocked.   | Remove blockage.   |
|                              | Pump draws in air.  | Keep the pump at an angle while submerging.<br>Switch the pump on and off several times in order to expel air. |
|                              | Pump blocked by foreign bodies.   | Clean the pump Cleaning the suction area – page 8).  |

| <b>Fault/Malfunction</b> | <b>Cause</b>                      | <b>Remedy</b>  |
|--------------------------|-----------------------------------|--|
| Delivery rate too low.   | Delivery height too great.        | Comply with maximum delivery height (► Technical data – page 11)                       |
|                          | Pressure line diameter too small. | Use pressure line with larger diameter.  |
|                          | Pressure line blocked.            | Rectify blockage.  |
|                          | Suction openings blocked.         | Clean suction opening.   |
|                          | Pressure line kinked.             | Straighten pressure line.  |
|                          | Pressure line leaks.              | Seal pressure line, tighten threaded.  |
| Pump runs very loudly.   | Pump drawing in air.              | Ensure there is sufficient liquid present. Keep the pump at an angle while submerging. |

## 9. TECHNICAL DATA

|   |  |
|---|--|
|  <b>NOTE</b> | <p>Risk of damage to the appliance!</p> <p>The particle size mentioned does not refer to sand or stones but rather to soft, flexible particles such as fluff and similar which the rotor cannot wedge inside the pump.</p> |
|---|--|

| Model                          | HY80032SSC                     | HY25032C | HY40038SSC | HY90038C  |
|--------------------------------|--------------------------------|----------|------------|-----------|
| Rated voltage                  | 230 V / 50 Hz                  |          |            |           |
| Rated power                    | 800 W                          | 250 W    | 400 W      | 900 W     |
| Protection type                | IPX8                           |          |            |           |
| Max. delivery height           | 30 m                           | 6 m      | 6.5 m      | 9.5 m     |
| Max. flow rate                 | 5500 l/h                       | 6000 l/h | 7500l/h    | 15000 l/h |
| Max. submersion depth          | 7 m                            | 7 m      | 5m         | 7 m       |
| Max. temperature of liquid     | 35 °C                          |          |            |           |
| Outlet pipe size               | 1" to 1 ¼"<br>(25 mm to 32 mm) |          |            |           |
| Cable length                   | 10 m                           |          |            |           |
| Particle size (See note above) | 5.0 mm                         |          |            |           |

| Model                          | HY85038CD                      | HY55038SSD | HY85038D  |
|--------------------------------|--------------------------------|------------|-----------|
| Rated voltage                  | 230 V / 50 Hz                  |            |           |
| Rated power                    | 850W                           | 550 W      | 850 W     |
| Protection type                | IPX8                           |            |           |
| Max. delivery height           | 8 m                            | 7 m        | 8.5m      |
| Max. flow rate                 | 13500L/H                       | 9500 l/h   | 14000 l/h |
| Max. submersion depth          | 5 m                            | 7 m        | 7 m       |
| Max. temperature of liquid     | 35 °C                          |            |           |
| Outlet pipe size               | 1" to 1 ¼"<br>(25 mm to 32 mm) |            |           |
| Cable length                   | 10m                            |            |           |
| Particle size (See note above) | 30 mm                          | 35 mm      |           |

## 10. GENPOWER CONTACT DETAILS

10.1. Postal address;

Genpower Limited, Isaac Way, Pembroke Dock,  
Pembrokeshire, SA72 4RW, UK.

10.2. Telephone contact number;

Office +44 (0) 1646 687880

10.3. Email contact;

Technical [service@genpower.co.uk](mailto:service@genpower.co.uk)

10.4. Web site;

[www.hyundaipowerequipment.co.uk](http://www.hyundaipowerequipment.co.uk)

## 11. DECLARATIONS OF CONFORMITY

11.1. Genpower Ltd confirms that these Hyundai products conform to the following CE Directives;

11.1.1. 2006/42/EC Machinery Directive

11.1.2. 2004/108/EC EMC Directive

11.1.3. 2006/95/EC Low Voltage Directive





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