

# SUBMERSIBLE SITE DRAINAGE

## HS (MANUAL) SINGLE PHASE

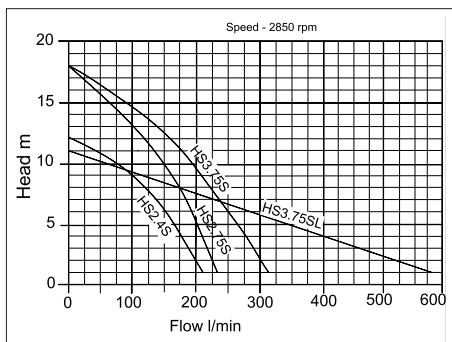


The **HS** series is a lightweight and robust range of single-phase contractors' pumps used widely by tool rental companies, utilities and in the construction industry. The hydraulic design features a double mechanical seal, with an oil lifter, for positive seal lubrication in any operating position; the spiral shape minimizes clogging. These combine with a urethane impeller, stirrer and cast iron pump chamber to give excellent wear and blockage resistance in water that contains sand and silt. The high-performance motor enables long periods of operation while partially submerged.

The puddle pump adaptor kit is an optional extra that will convert the **HS2.4S** manual to a puddle sucker. It will enable the pumping of water levels down to 10mm, maximize utilisation and is very simple to fit. The kit comprises a rubber coated steel bottom plate, stainless steel bolts, nuts and washers.

**Fluid:** Rain water | Ground water | Sand carrying water | Temperature: 0 - 40°C

**Application:** Hire fleets | Construction | Utilities | Dewatering | Fixed installations | Processing



| HS | Impeller    | Shaft seal        | Level switch (automatic)           |
|----|-------------|-------------------|------------------------------------|
|    | Semi-vortex | Double mechanical | Pendant, Agma or Sensor (optional) |

| Pump          | Handle                 | Outlet              | Pump casing           |
|---------------|------------------------|---------------------|-----------------------|
|               | Steel & rubber         | Cast aluminium      | Ductile iron          |
|               | Impeller               | Shaft seal          | Lubrication           |
|               | Urethane               | Silicon carbide     | Oil                   |
|               | Shaft                  | S/S 410S            | Stirrer               |
|               | Strainer               | PVC                 | Sintered alloy        |
|               | Level switch (Pendant) | Level switch (Agma) | Level switch (Sensor) |
| Polypropylene | Polypropylene & PC     | Rubber & S/S 304    |                       |

| Motor          | Poles, protection        | Insulation | Thermal protection                 | Starting           |
|----------------|--------------------------|------------|------------------------------------|--------------------|
|                | 2 pole, IP68             | Class E    | Integral                           | Internal capacitor |
|                | Motor frame & head cover |            | Power cable (10mtr) & switch cable |                    |
| Cast aluminium |                          | Rubber     |                                    |                    |

### PUDDLE PUMP ADAPTOR

Convert the HS2.4S by fitting a residue plate.

Rubber coated steel plate

Pumps down to 10mm



**HS2.4S manual**



**HS3.75S manual**



**HS3.75SL manual**

| item code  | model                              | Manual or Auto | outlet (mm) | kW   | volt | flow (l/min) | head (mtrs) | free passage (mm) | w x l x h (mm) | dry weight (kgs) |
|------------|------------------------------------|----------------|-------------|------|------|--------------|-------------|-------------------|----------------|------------------|
| 10-10-1163 | HS2.4S                             | M              | 50          | 0.4  | 110  | 205          | 12          | 7                 | 185x241x328    | 11.3             |
| 10-10-1181 | HS2.4S                             | M              | 50          | 0.4  | 230  | 205          | 12          | 7                 | 185x241x328    | 11.3             |
| 10-10-1020 | HS2.75S                            | M              | 50          | 0.75 | 110  | 230          | 18          | 7                 | 185x290x385    | 16.9             |
| 10-10-1095 | HS2.75S                            | M              | 50          | 0.75 | 230  | 230          | 18          | 7                 | 185x290x385    | 16.9             |
| 10-10-1147 | HS3.75S                            | M              | 75          | 0.75 | 110  | 310          | 18          | 7                 | 184x290x385    | 16.9             |
| 10-10-1159 | HS3.75S                            | M              | 75          | 0.75 | 230  | 310          | 18          | 7                 | 184x290x385    | 16.9             |
| 10-10-1102 | HS3.75SL                           | M              | 75          | 0.75 | 110  | 580          | 10.8        | 7                 | 184x290x425    | 19.6             |
| 10-10-1108 | HS3.75SL                           | M              | 75          | 0.75 | 230  | 580          | 10.8        | 7                 | 184x290x425    | 19.6             |
| 10-85-1016 | Puddle pump adaptor kit for HS2.4S |                |             |      |      |              |             |                   |                | 0.55             |