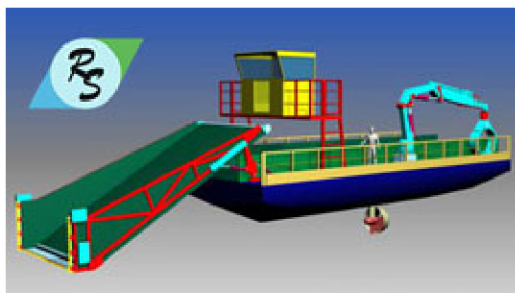


## THE RS16 WORKBOAT



**The RS16** has a front conveyor, which is equipped with cutting blades to cut and collect water weed. The weed is then moved from the front conveyor to the storage conveyor, which is located on the deck of the machine. Larger objects are lifted onboard with the crane. The crane controls are located on the control bridge.

**The RS16** has a single diesel engine which serves as the power source for propulsion and the hydraulic equipment. **The RS16** is steered by rotating the propeller through 360 degrees. When the load is ready, the machine moves to the shore and discharges the load onto the ground or straight into a truck. Larger objects can be lifted straight to onto a truck with the crane.

### **Work Boat RS16**

Technical specifications |

#### **Engine**

Volvo Penta TAMD 162C Heavy duty

6-cylinder, 4-stroke direct injected turbo-charged marine diesel, fresh water cooled  
405Kw (550hp)

Propulsion

Model: Aquamaster 381

Screw diameter in nozzle: 1050

#### **Crane**

Model: HIAB 225F-4, 19,5 m hydraulic boom

#### **Hull:**

Steel, 16m x 6.5m, draft 1.5 m.

#### **Conveyors:**

Cutting Stainless steel self concentrating width 4,5m

Storage conveyor 100m<sup>3</sup>

#### **Dimensions:**

	Hull	Working
Length	16,0m	24,0m
Width	6,5m	6,5m
Height	2,0m	6,0m above water level
Weight	23,0t	44,0t
Cutting width		4,5m
Portable cutting		1,5m below water level
Depth		1,0m above water level

#### **Machine's effectiveness:**

0,5-1 square kilometre/h

Speed 10 knots

**Weights:**

Frame	23t
Front conveyor	2,5t
Storage conveyor	3,5t
HIAB crane	4,0t
Engine	2,0t
Fuel + tank, 3m <sup>3</sup>	3,5t
Propulsion	2,0t
Cabin (add.) + steering bridge	1,5t
Other	2,0t
TOTAL	44,0t

**Electrics:**

24 V, waterproof cables and components of the whole wiring system, IP 64.

**Hydraulics:**

Following systems are hydraulically driven:

- Weed cutting blades
- Front conveyor
- Store conveyor
- Propulsion
- Steering of the boat
- Crane

Front conveyor

Width 4,5m, length 9,3m

Chains and lamellas

Working depth steplessly adjusted +1,0..-1,5 meters

Conveyor and cutting blades are hydraulically protected against collisions

Optional for weed harvesting: one horizontal and two vertical cutting blades, made of self-sharpening, hardened special steel.

**Storage conveyor:**

Length	17.0m
Width	4.5m
Height	1.3m
Volume	100m <sup>3</sup> -115m <sup>3</sup> (H=1.3m-1.5m)
Capacity	40t

The speed of the conveyors is adjusted in both directions electrically from operator's seat.

**Hull:**

Four watertight compartments: construction in ship building steel grade A

Length 16.0m

Beam 6.5m

Draft when loaded 0.6m + propeller 1.4m

Painting and corrosion protection is based on ship building technology.

Hydraulic steering

**Optional equipment:**

High-pressure water cleaner (30 litre/minute, 200 bar) as an additional equipment.

Air-conditioned cockpit version as an additional equipment .

Special tools