

Watermaster

versatile - mobile - proven

Conventional machinery

VS

One machine for all applications

Separate machine for each application



1 transport

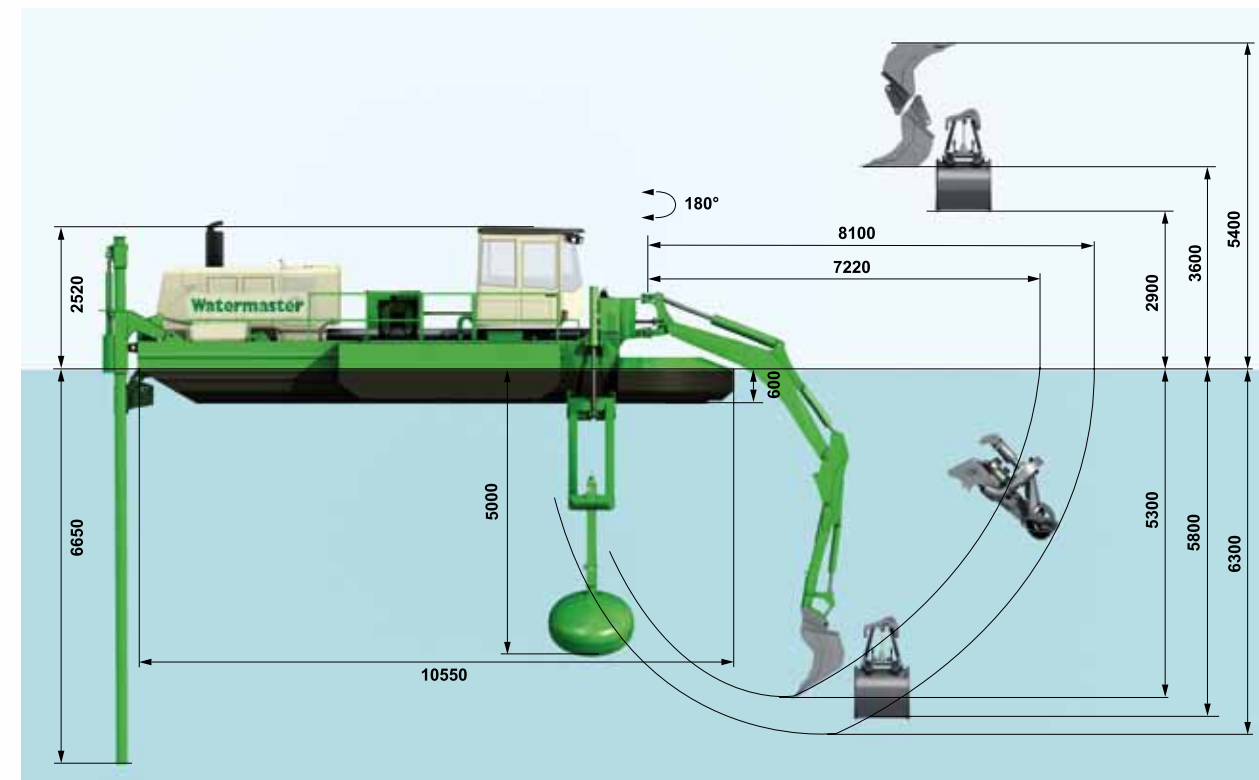
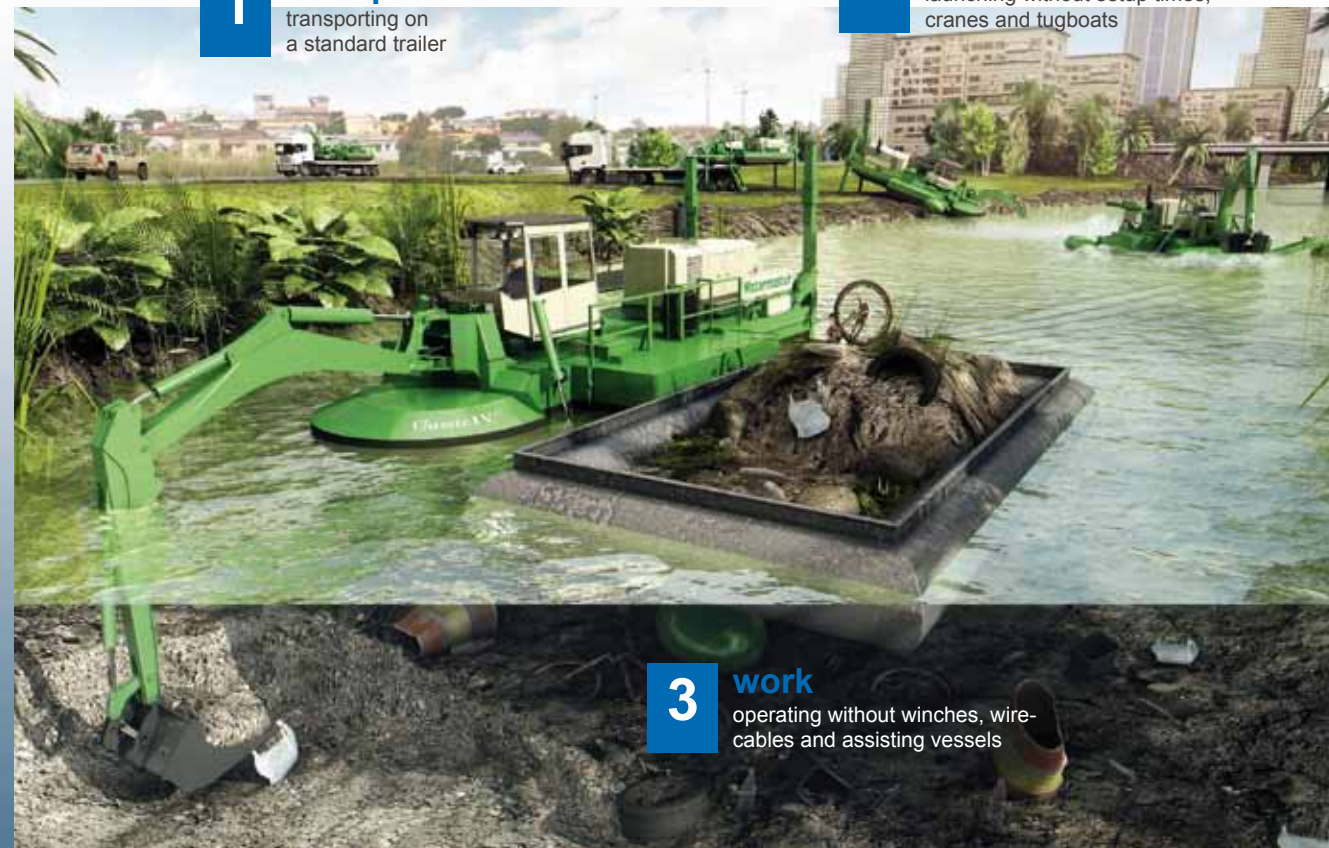
transporting on a standard trailer

2 mobilize

launching without setup times, cranes and tugboats

3 work

operating without winches, wire-cables and assisting vessels



Engine

Caterpillar C7, turbo charged, water cooled, 6-cylinder diesel engine

- flywheel power at 2000 rpm 168 kW (225hp)
- fuel tank capacity 1200 l
- electric system 24 V
- batteries 2 x 180 Ah
- electric fuel pump

Hydraulics

axial piston pump for dredging and propeller

- maximum operating pressure 345 bar
- capacity 95 ccm/rev

axial piston pump for digging and stabilizers

- maximum operating pressure 230 bar
- capacity 100 ccm/rev

Excavator

- swinging angle 180°
- break-out force from bucket cylinder 83 kN
- digging force from arm cylinder 47 kN
- lifting capacity at max. reach 22 kN
- lifting capacity with Power Lift, at max reach 24,5 kN
- quick couplings for tools

Stabilizers

- front stabilizers, max depth 5,0 m
- rear tilting stabilizers, max depth 6,7 m

Hull

- one piece hull divided into 7 watertight compartments
- corrosion resistant painting outside and inside
- protective skid bars on bottom
- slip-safe deck, handrails
- mast, signal lights for dredging and navigation

Cabin

- modern FOPS certified cabin with excellent visibility
- ergonomic operator's seat with full adjustability - seat turns for easy entrance and exit
- additional seat for instructor
- heating, ventilation and air conditioning
- complete gauging for hydraulics and engine
- 10 work lights
- radio receiver with CD-player

Transport dimensions and weight

transport length (without boom)	11,00 m
transport width	3,30 m
transport height	3,15 m
transport weight	ca 18,50 t

Travel speed with propulsion system ca 4 knots.



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Technical specifications are subject to change without prior notice.
The pictures in this brochure include optional equipment.
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Watermaster

Classic IV



Suction dredging, backhoe dredging and pile driving capabilities in one mobile machine



For shallow waters; rivers, canals, ponds, lakes and sea shores



Proven technology with hundreds of references worldwide - made in Finland



versatile

mobile

proven

Watermaster

cutter pump

- general suction dredging attachment
- submersible pump
- discharge distance up to 1,5 km
- 2 cutter crowns included: universal crown & soft soil crown

500 l bucket

- general backhoe dredging attachment
- for excavating hard soils
- abrasion resistant rails under the bottom

clamshell bucket

- for environmental dredging
- long reach
- good for loading into barges
- volume 600 l

rake

- for removal of reeds, roots and other vegetation
- for cleaning the bottom from trash
- 2,75 m wide

piling bucket

- general pile driving attachment for wood piles
- for reinforcing shores
- for marina maintenance



modern & comfortable cabin

Caterpillar engine

discharging up to 1,5 km

side pontoons for stability

hull divided into 7 watertight compartments

quickly changeable attachments

front stabilizer extensions

inland and coastal work

- deepening and cleaning shallow water areas

environmental work

- flood prevention
- vegetation & trash removal
- removal of polluted sediments

construction work

- piping system & cable works
- building works in water environment

industrial work

- maintenance and cleaning of industrial basins and mining ponds

proven technology

- ISO 9001 & 14001 certified serial product
- manufactured since 1986
- Watermasters operate on all continents
- made in Finland



smart solution for hard work