

THE MOBITRAC

WHERE A STANDARD MOWING BOATS STOPS, YOUR MOBITRAC GOES ON!!





MOBITRAC carries out all waterway maintenance and recovery operations;



Recovery



Control

Maintenance

THE COMPANY

mobitrac | the company

The company originally started in 1985. Since the MOBARN group has specialized themselves in developing machines for cleaning and the maintenance of the waterways. Such as in nature preserve areas, swamps, wetlands, ponds, etc.

The group comprises two main activities that are intrinsically related: Development of specialized machinery and Services.

Working closely with various water domes and having many years of experience in manufacturing and product development, have made it possible for MOBARN to produce award-winning equipment with good quality and outstanding performances.

All machines are being built with the newest CE marking

- Machine guideline 98/37/EG
- Low tension guideline 2006/95/EG
- EMC guideline 2004/108/EG

And the following harmonized norms are effective:

- NEN-EN-ISO 12100-1
- NEN-EN-ISO 12100-2
- NEN-EN 349
- NEN-EN 418
- NEN-EN 953
- NEN-EN-ISO 13857
- NEN-EN -60204-1



THE AMPHIBIAN SOLUTION FOR YOU !!

mobitrac | introducción

A **MOBITRAC** is an amphibious machine that has many advantages.

The basic machine can be equipped with a complete set of tools.

The smart connector on the lift arm makes it easy to change the different tools, which makes it possible for the **MOBITRAC** to work as:

- Harvester
- Collector
- Excavator
- Dredger

The weight distribution makes it possible to carry various weights on land and in the water. No other machines, like a crane is needed for loading or unloading into the water.

The **MOBITRAC** drives up and down the trailer than can be pulled by a normal car. Due to the great maneuverability, the **MOBITRAC** turns easily around its own axle in water and is ideal for narrow areas.

The **MOBITRAC** can be operated by one single person.

- Lower operation costs
- Less damage to surroundings
- The caterpillar tracks leave little or no damage to the surface.



The MB-F 209 cutter is easily attached to the front of the MOBITRAC and its hydraulics. This double acting ESM Busati knife bar doesn't require water for lubrication. Therefore it can also be used on shore, shallow waters and even marshlands.

The MB-F 209 has great capacities and could also be used for thicker reeds.

Appliance

Waterways and marshland sites do not always get the attention they deserve. In some cases resulting in an outbreak of noxious weeds, reeds and water plants which also alters the natural streaming.

In addition this can eventually cause environmental inconveniences:

Swamp formation, plagues, decomposition, drainage problems, stinking water sources, etc.

A periodic maintenance for mowing and harvesting is compulsory.

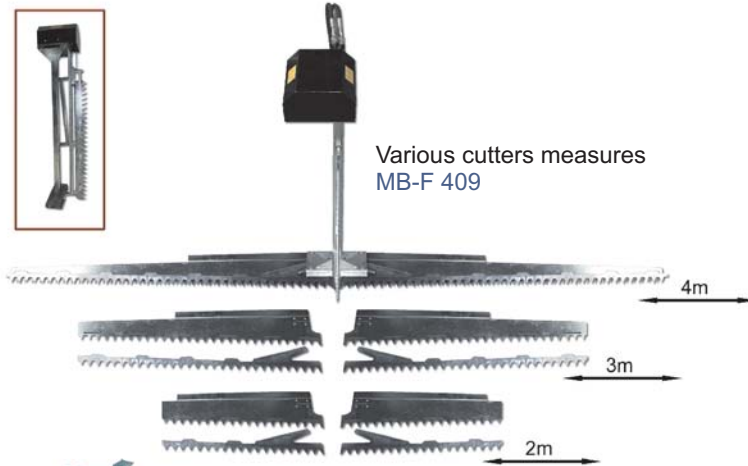
Typical sites for efficient appliances:

- Natural parks and reservoirs
- Private and public ponds
- Marshlands and river effluents

MOBARN offers various Cutters:

	Weight	Width	Depth
MB-F 209	68 kg	2,10 m	0 – 1,50 m
MB-F 409	65 kg	2,10 - 4,0 m	0 – 1,50 m
MB-Z 170	75 kg	1,70 m	0,50 m

Floating & Rooted vegetation can be effectively Cut & Harvested



The MB-F 409 cutting bar.

To be used for normal aquatic plants.

For open water this type of cutting bar would be the obvious choice.

Besides being operated hydraulically this knife needs water for lubrication.

Therefore NOT suitable on land.

A safety system is being built in and protects the knife from braking when hitting hard objects.



HARVESTING

The MR-R350 is a standard rake that can be unfolded from 2 meters up to 3.50. This rake can be used for gathering and transporting of all cut materials (water plants). If required one could also place a net or thin steel plates with drainage holes in the rake, to be able to collect algae, rubbish or absorbers (where there is an oil spill).

Raking

The MR-R209 rake can be used when there is cut material lying on the shore site. It helps to rake the plants and material into the water area where after you collect these plants with the standard collecting rake.

Appliance

The collection of the cut water plants is very important. Maybe is as important as cutting. When we would leave the water plants (if they are cut) in the water, they will become a fertilizer to other organism.

Therefore it is advised that these cut water plants are taken out of the water as good as possible.

RAKES	Measures		Weight
MR-R350 Collecting Rake	11.5 ft	2 - 3,50 m	80 kg
MR-R209 Sweeping Rake	2,10 m		30 kg



Unfolded Rake



EXCAVATION

mobitrac | excavator

The excavator can be attached to the front of the **MOBITRAC**.
 The combination becomes a floating excavator with unique possibilities.
 Now the **MOBITRAC** excavator is well adapted for cleaning inflow and outflows to lakes, digging works in canals, ditches, around bridges, cable laying, etc.

The excavator-arm is regulated from the driver seat with two coordinate levers placed on a middle bracket that can easily be adapted.
 The excavator with various solutions.

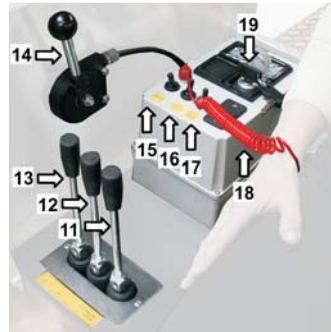


Digging radius	19,68 ft	6,00 m
Digging depth	7,70 ft	2,20 m
Weight arm (Total weight is 325 kg)	551 lbs	250 kg

ACCESSORIES

MB-B 30L	Bucket 25/30 l			
MB-B 50L	Bucket 50 l	width	1,9 ft	60 cm
MB-W 90	Root knife	length	1,9 ft	60 cm
MB-M 60	Digging rake	width	2,9 ft	90 cm

Valve packet with two coordinate levers for turn, lift, bucket and bar..



The excavator is delivered with two supporting legs.



The stabilizing outriggers for the water works to increase safety.



DREDGING PUMP

mobitrac | dredging pump

The dredge pump is made exclusively for the MOBITRAC

The MB-LL80 B-4, one could use for sediments pumping but also for the pumping of algean, beach cleaning or other debris that is floating in water.

The pump will be regulated from a start panel near the driver seat.

Upon request a feeding screw can be added to the front of the pump.

This device will than loosen the bottom to give the pump an even flow of sediment. This is only used when exactly know what kind of material is to be dredged

When the sediments are different than light and soft material, it may be wise to discuss the type of pump you may need.



Dredge pump MB-LL80 B-4
A dredge pump for dredging slurry from ponds and other water areas.
Specially designed to fit on the lift arm of the **MOBITRAC**



Working depth	2000 mm
Weight	65 kg
Pumping distance	150 m
Max. Flow per hour	60 m

10 - 40m³/hour dependent on material, height and length of the hose

to freely flow 2200 l / min

Depth 1.70 meters, 2.40 meter extension.

Hydraulic Drive

For the pumping of sediment

Including 1 roll of 50M hose

TRAILER & SHIPMENT

If one uses the ramps of the trailer, the height of the trailer can be overcome. The trailer can be pulled with a regular car. (Fast traffic) As you can drive the MOBITRAC to the site yourself, most of the time, NO extra help is needed to get started. The MOBITRAC is easy to use and low operational costs.



The trailer comes with two ramps for easy driving up the trailer, and has various connecting points for locking the machine for transportation.

Packaging
All goods will be carefully packed. The MOBITRAC can be placed on a pallet for easy loading and unloading.



Trailer technical information

Length of bed	5,06 m	16 ft
Width of bed	2,20 m	7 ft
Sides aluminium height	30 cm	12 in
Floor height	63 cm	25 in
Tire size	195/50 R13	
Total weight	2.700 kg	5.900 lb
Empty weight	697 kg	1.500 lb
Ramps	2 plates	2 plates



SALE, SUPPLY & SERVICES

mobitrac | sale, supply & services

Standard or Customizing !!

Over the years MOBARN has been able to set a trend in seceding to built according to the wishes of their customers.

- customizing
- standard machines
- 3 cylinder or 4 cylinder diesel engines
- 1 or 2 joysticks for operation
- choice on type of seating
- lights, horn,...
- bigger hydraulic capacity
- maintenance contract
- spare parts in stock
- delivery within 24 hours in Europe

How to handle the MOBITRAC

Training

- Safety first
- Operating the machine
- Maintenance

Our company in Weesp, the Netherlands, has all the facilities to give your people the proper training and guidance in the safety, operational & maintance handling of the MOBITRAC

This to ensure more fun and longer lifespan of using the MOBITRAC.



TECHNICAL DETAILS

mobarn mobitrac|technical details

MOBITRAC

Dimensions

Length	15,4 ft	4,75 m
Width	6,9 ft	2,10 m
Height	6,9 ft	2,10 m
Weight	2.799 lbs	1.270 kg

Engines water cooled, Environment class tier 4

Yanmar	3 cylinder	29.1 HP
Fuel tank capacity		30 L
Fuel consumption (liters/hour)		3,5

These engines are in compliance with the EPA norms

Electric system

Generator and battery	45 ampere
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Hydraulics

Driving pumps	2 x 21cc
Driving engines	2 x 160 cc
Pump for accessories	8:5 cc or 11 cc
Hydraulic tank	70 l
POWERLIMITER	

Material

Pontoons manufactured of saltwater proof aluminium.

Steel construction is pot galvanized al calor.

On the **MOBITRAC** all colored metal parts are powder coated



MOBITRAC 30





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