

*BEACH CLEANING EQUIPMENT.
Lifts the debris, not the sand.*

BARBER SURF RAKE®

THE COMPLETE LINE OF BARBER SURF RAKES®

Model 600HD

At 1800 kilograms, the 600HD is H. Barber & Sons' largest Surf Rake®. It has been successfully used in a variety of municipal applications. Cleaning up to 3,2 hectares an hour with its 2,14 meter wide cleaning width, the 600HD has the greatest cleaning capacity of any beachcleaner. The 2,3 cubic meter hopper can lift up to 2000 kilograms of material and dump its contents hydraulically from a clearance height of 2,75 meters.



Model 400HD

The model 400HD is an excellent choice for resorts, hotels and lakeshore communities. At 1225 kilograms, it is H. Barber & Sons' moderate-size Surf Rake®. The 400HD is equipped with a 1,52 cubic meter hopper which will lift 1600 kilograms of debris to a dumping height of 2,75 meters. This mid-sized model uses the same heavy-duty conveyor and dump components as the 600HD. The 400HD can clean up to 1,6 hectares per hour.

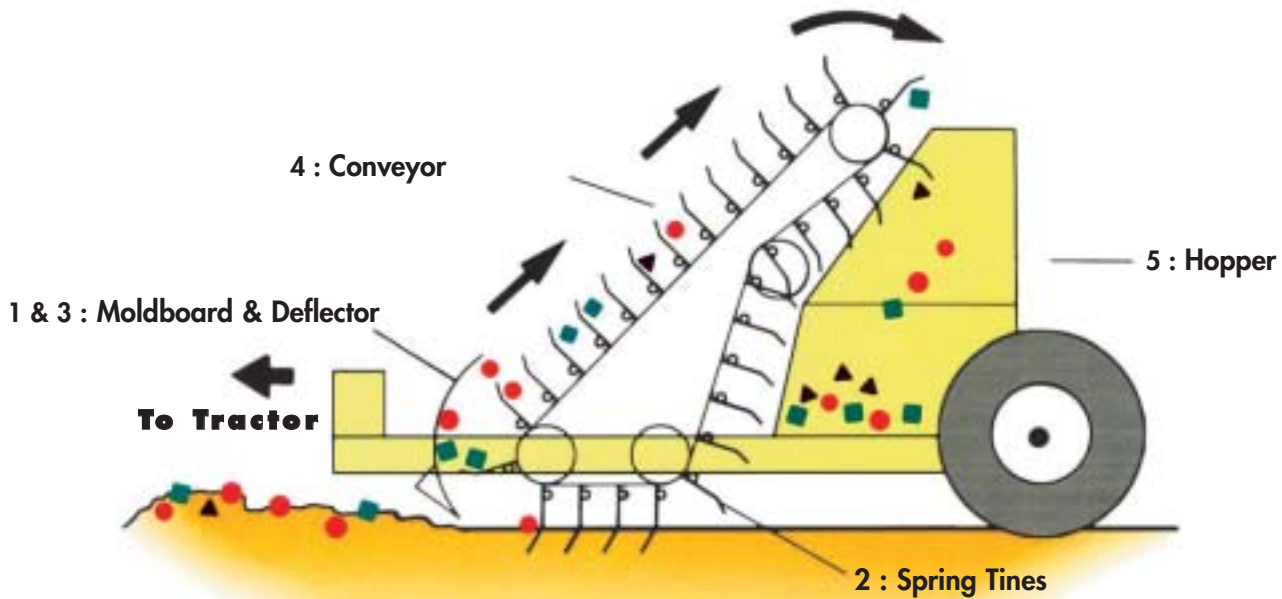


Model 400

Similar to the model 400HD, the model 400 is the smallest Surf Rake®. It weighs 860 kilograms and can lift up to 1100 kilograms in its 0,75 cubic meter hopper. Its hydraulic dump discards material neatly on the ground. Within one hour, the model 400 can effectively clean up to 1,6 hectares.



HOW IT WORKS



The Barber SURF RAKE® is a unique mechanical rake operated by one person from the seat of a towing tractor. It provides safe, fast and efficient beach cleaning. Here is how it works: **1.** The moldboard levels uneven areas in the sand. **2.** A 3/8" grid of stainless steel spring tines rake debris from the sand toward **3.** an adjustable deflector plate. As a result, refuse is deposited on **4.** the conveyor to **5.** the hydraulically raised hopper. The result: a clean, safe and well-manicured beach.



◀ THOROUGH CLEANING

Hundreds of stainless steel tines, mounted in offset rows, rake through the sand every second, removing the unwanted debris. Even the smallest objects such as glass, cigarette butts and pop-tops are captured by the SURF RAKE® and deposited in the hopper

EXTRA STRENGTH STAINLESS STEEL TINE ▶

A new, double torsion, three coil stainless steel tine offers long life, great durability and resistance to corrosion.



◀ SANITIZING CONVEYOR BELT

The Barber SURF RAKE features a new Sanitizing Conveyor "S-Belt". This new belt design maximizes sand penetration and removal of extremely fine debris. Belt perforations, mounting tines underneath the conveyor and eliminating retaining bars now reduce the risk of residual sand removal. The new conveyor belt is easier to repair and keep clean and clear of debris.



SPECIFICATIONS



MODELS	600HD	400HD	400
HYDRAULIC DRIVE	Completely sealed and protected by full flow filter. Large capacity spline mounted cast iron pump, hydraulic motor, flow control, and built-in overflow protection.	Completely sealed and protected by full flow filter. Large capacity spline mounted cast iron pump, hydraulic motor, flow control, and built-in overflow protection.	Completely sealed and protected by full flow filter. Large capacity spline mounted cast iron pump, hydraulic motor, flow control, and built-in overflow protection.
CONVEYOR	Of bar flight type with chain and sprocket drive, covered with continuous 1,8 m wide NBR belt, which will not stretch or corrode.	Of bar flight type with chain and sprocket drive, covered with continuous 1,2 m wide NBR belt, which will not stretch or corrode.	Of bar flight type with chain and sprocket drive, covered with continuous 1,2 m wide NBR belt, which will not stretch or corrode.
TINES	700 Stainless steel tines in 1,8 m rows	370 Stainless steel tines in 1,2 m rows	340 Stainless steel tines in 1,2 m rows
HOPPER	2,3 cubic meter (2000 kg cap.) Hot dip galvanized	1,52 cubic meter (1600 kg cap.) Hot dip galvanized	0,75 cubic meter (1100 kg cap.) Hot dip galvanized
DUMP HEIGHT	2,75 meters	2,75 meters	Ground
TIRES	91.4 x 34.3 x 38.1 cm high flotation design	78.7 x 34.3 x 38.1 cm high flotation design	78.7 x 34.3 x 38.1 cm high flotation design
MOLDBOARD	A moldboard deflector plate is positioned at the front of the machine to level the beach before cleaning.	A moldboard deflector plate is positioned at the front of the machine to level the beach before cleaning.	A moldboard deflector plate is positioned at the front of the machine to level the beach before cleaning.
OPERATING SPEEDS	1 to 25 kilometers per hour	1 to 25 kilometers per hour	1 to 25 kilometers per hour
CLEANING WIDTH	2,14 m (1,8 m of deep cleaning)	1,8 m (1,2 m of deep cleaning)	1,8 m (1,2 m of deep cleaning)
CLEANING DEPTH	Adjustable to 15 cm	Adjustable to 15 cm	Adjustable to 15 cm
DIMENSIONS	Height: 2,3 m Length: 4,0 m Width: 2,3 m	Height: 2,2 m Length: 3,6 m Width: 2,3 m	Height: 1,4 m Length: 3,0 m Width: 2,3 m
WEIGHT	Approximately 1800 kg	Approximately 1225 kg	Approximately 860 kg
PAINT	Dupont IMRON® Polyurethane enamel	Dupont IMRON® Polyurethane enamel	Dupont IMRON® Polyurethane enamel
FINISHING ATTACHMENT	To smooth the sand and eliminate tire marks for a minimum 2,74 m wide path - optional.	To smooth the sand and eliminate tire marks for a minimum 2,74 m wide path - optional.	To smooth the sand and eliminate tire marks for a minimum 2,74 m wide path - optional.
GALVANIZATION	All frame and body parts Hot Dip Galvanized - optional.	All frame and body parts Hot Dip Galvanized - optional.	All frame and body parts Hot Dip Galvanized - optional.
PERFORMANCE	Cleans up to 32,000 m ² /h	Cleans up to 20,000 m ² /h	Cleans up to 16,000 m ² /h
TRACTOR REQUIREMENTS	60 PTO horsepower 4-wheel drive agricultural type tractor with 76 cm rear wheels.	35 PTO horsepower 4-wheel drive agricultural type tractor with 71 cm rear wheels.	30 PTO horsepower 4-wheel drive agricultural type tractor with 71 cm rear wheels.

DEBRIS REMOVED

540 RPM rear PTO, 3 point hitch, and 1 remote hydraulic valve (minimum), up to 3 with options. This is a general guideline. Larger or smaller tractors may be used depending on beach conditions.

Broken glass, plastic, syringes, cigarette butts, pop-tops, straws, cans, tar balls, stones 1 cm to 15 cm in diameter, sea grass, sea weed, fish, small pieces of wood.

The manufacturer reserves the right to change the specifications without notice and without incurring obligation. The information contained herein is from data available at the time of printing.

Since its establishment in 1966, H. Barber & Sons has been committed to the preservation of beautiful beaches and the environment. Its product, the Barber Surf Rake®, is the highest quality, most efficient beach cleaning equipment available. With its ability to clean a variety of beach conditions, the Surf Rake® has earned H. Barber & Sons the distinction of being the leader in beach cleaning technology and the largest manufacturer of beach cleaners in the world.

The corporate headquarters and manufacturing plant of H. Barber & Sons is based in Connecticut. Sales and support services are handled through a worldwide dealer network. Throughout the company, quality production, responsive service and customer support are of utmost importance.

Barber Surf Rakes® are maintaining beautiful beaches both domestically and internationally. Regardless of where a customer may be located, H. Barber & Sons promises expedient delivery of all parts and machinery. It is part of the company-wide commitment to excellent service which customers have come to expect from H. Barber & Sons.



The Barber Surf Rake® is the beach cleaner of choice for restoring the appearance of public and private beaches. The most widely cited reason for choosing the Surf Rake® is its efficiency. It is designed with a unique raking system that quickly and thoroughly cleans an entire beach, including heavy debris areas along the water's edge. It is also the only beach cleaner that is equally effective in wet and dry sand at speeds up to 25 kilometers per hour. The ultimate result: your beaches are returned to a cleaner, more beautiful condition.

Users find the Surf Rake® dependable, easy to operate and maintain. By eliminating the need for hand labor, it actually reduces time and expense, resulting in an extremely cost-efficient method as well. And with increasing concern for the environment, the Barber Surf Rake® is a viable cleaning solution for today.

The World Leader in Tine Raking Cleaning Equipment.



Litter collection machines for both paved surfaces and grass areas. Truck towed and tractor towed models for all applications.



Stone pickers that remove debris and level work area in one pass. A variety of models for different size jobs.



World leader in beach cleaning equipment for more than 40 years. Models for all beaches and conditions.

BARBER

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