**MODEL 600XL**

BARBER'S LARGEST BEACH RAKE MACHINE

With a cleaning width of 15 feet (5m), the SURF RAKE 600XL is the largest beach cleaning machine in Barber’s lineup. Intended for use with vast beaches, it enables beach maintenance teams to clean up to 15 acres per hour. Based on the time-tested reliability, ease-of-operation, and efficiency of the 600HD, the 600XL doubles its cleaning capacity while cutting cleaning times in half.

**DIMENSIONS:**

H: 2,3 m x L: 5,2 m W: 4,6 m

**WEIGHT:**

Approximately 3629 kg

**CLEANING WIDTH:**

5 m

**CLEANING DEPTH:**

Adjustable to 15 cm

**OPERATING SPEED:**

1.0 to 25 kmph

**DEBRIS REMOVED:**

Broken glass, plastic, syringes, cigarette butts, pop-tops, straws, cans, tar balls, stones 3/8″ to 6″ (,95 cm to 15,24 cm) in diameter, sea grass, seaweed, fish, small pieces of wood.

**PERFORMANCE:**

Cleans up to 16 acres/hr, 6.6 hectares/hr

**HOPPER:**

4,6 cubic meters (2000 kg cap.)

**DUMP HEIGHT:**

2,75 m

**TIRES:**

91.4 x 34.3 x 38.1 cm high flotation design

**CONEYOR:**

Of bar flight type, covered with two 6 ft/ 1,8 m wide belts, with stainless steel spring tines mounted on it.

**HYDRAULIC DRIVE:**

Completely sealed and protected by the full flow filter. Large capacity spline mounted pump, hydraulic motor, flow control, and built-in overflow protection.

**HYDRAULIC FLOW:**

80 L/min

**HYDRAULIC CAPACITY:**

122 L

**CYLINDERS:**

Lift 7.62 cm x 45.72 cm single acting .60 m x 1.52 m single acting

**PAINT:**

Dupont IMRON Polyurethane enamel

**TRACTOR:**

110 PTO horsepower 4-wheel drive agricultural type tractor with minimum 460/85R34 rear tires (460/85R38 preferred)

**OTHER TRACTOR REQUIREMENTS:**

540 RPM rear PTO, 3-point hitch and depending on model and options, up to two remote hydraulic valves with raise, hold and float positions. Larger or smaller tractors may be used depending on beach conditions.

**MODEL 600HD**

BARBER'S Most Popular Beach Rake

At 3,800 pounds, the 600HD is the most widely-used beach cleaner by municipalities to clean expansive beaches. Cleaning sand up to nine (9) acres an hour with a seven (7) foot wide cleaning path, the 600HD has the greatest sand cleaning capacity of any beach cleaner in its class. The three (3) cubic yard hopper can hydraulically lift up to 4,500 pounds of material to a clearance height of nine (9) feet and dump its contents.

**SPECIFICATION**

**DIMENSIONS:**

H: 2,3 m x L: 4,0 m W: 2,3 m

**WEIGHT:**

Approximately 1800 kg

**CLEANING WIDTH:**

2,14 m

**CLEANING DEPTH:**

Adjustable to 15 cm

**OPERATING SPEED:**

1.0 to 25 kmph

**DEBRIS REMOVED:**

Broken glass, plastic, syringes, cigarette butts, pop-tops, straws, cans, tar balls, stones 3/8″ to 6″ (,95 cm to 15,24 cm) in diameter, sea grass, seaweed, fish, small pieces of wood.

**PERFORMANCE:**

Cleans up to 3.3 hectares/hr

**HOPPER:**

2,3 cubic meters (2000 kg cap.)

**DUMP HEIGHT:**

2,75 m

**TIRES:**

91.4 x 34.3 x 38.1 cm high flotation design

**CONEYOR:**

Of bar flight type, covered with continuous 1,8 m wide belt, with stainless steel spring tines mounted on it.

**HYDRAULIC DRIVE:**

Completely sealed and protected by the full flow filter. Large capacity spline mounted pump, hydraulic motor, flow control, and built-in overflow protection.

**HYDRAULIC FLOW:**

45 L/min

**HYDRAULIC CAPACITY:**

61 L

**CYLINDERS:**

Lift 7.62 cm x 45.72 cm single acting .60 m x 1.52 m single acting

**PAINT:**

Dupont IMRON Polyurethane enamel

**TRACTOR:**

60 PTO horsepower 4-wheel drive agricultural type tractor with 76 cm rear wheels.

**OTHER TRACTOR REQUIREMENTS:**

540 RPM rear PTO, 3-point hitch and depending on model and options, up to two remote hydraulic valves with raise, hold and float positions. Larger or smaller tractors may be used depending on beach conditions.

**MODEL 400HD**

MID SIZED MECHANICAL BEACH RAKE

The 400HD has proven to be an excellent choice for resorts, hotels and lakeshore communities. At 2,700 pounds, it is the medium-sized beach rake in the SURF RAKE lineup. It is equipped with a two (2) cubic yard hopper that will lift 3,500 pounds of debris from the sand to a dumping height of nine (9) feet. This mid-size beach rake uses the same heavy-duty conveyor and dump components as the 600HD. The 400HD can clean beaches at up to seven (7) acres per hour.

**SPECIFICATION**

**DIMENSIONS:**

H: 2,2 m x L: 3,6 m x W: 2,3 m

**WEIGHT:**

Approximately 1225 kg

**CLEANING WIDTH:**

1,8 m

**CLEANING DEPTH:**

Adjustable to 15 cm

**OPERATING SPEED:**

1.0 to 25 kmph

**DEBRIS REMOVED:**

Broken glass, plastic, syringes, cigarette butts, pop-tops, straws, cans, tar balls, stones 3/8″ to 6″ in (,95 cm to 15,24 cm) diameter, sea grass, seaweed, fish, small pieces of wood.

**PERFORMANCE:**

Cleans up to 2.8 hectares/hr

**HOPPER:**

1,52 cubic meters (1600 kg cap.)

**DUMP HEIGHT:**

2,75 m

**TIRES:**

78.7 x 34.3 x 38.1 cm high flotation design

**CONVEYOR:**

Of bar flight type, covered with continuous 1,2 m wide belt, with stainless steel spring tines mounted on it.

**HYDRAULIC DRIVE:**

Completely sealed and protected by the full flow filter. Large capacity spline mounted pump, hydraulic motor, flow control, and built-in overflow protection.

**HYDRAULIC FLOW:**

45 L/min

**HYDRAULIC CAPACITY:**

42 L

**CYLINDERS:**

Lift 7.62 cm x 45.72 cm single acting .60 m x 1.52 m single acting

**PAINT:**

Dupont IMRON Polyurethane enamel

**TRACTOR:**

35 PTO horsepower 4-wheel drive agricultural type tractor with 71 cm rear wheels.

**OTHER TRACTOR REQUIREMENTS:**

540 RPM rear PTO, 3-point hitch and depending on model and options, up to two remote hydraulic valves with raise, hold and float positions. Larger or smaller tractors may be used depending on beach conditions.

**MODEL 400**

COMPACT BEACH RAKING MACHINE

The 400 is the most compact beach rake in the SURF RAKE lineup. It weighs 1,900 pounds and can lift up to 2,400 pounds in its one (1) cubic yard hopper. Its hydraulic operated hopper places collected material neatly on the ground. Within one (1) hour, the 400 can effectively clean up to five (5) acres of beach sand.

**DIMENSIONS:**

H: 1,4 m x L: 3,0 m x W: 2,3 m

**WEIGHT:**

Approximately 860 kg

**CLEANING WIDTH:**

1,8 m

**CLEANING DEPTH:**

Adjustable to 15 cm

**OPERATING SPEED:**

1.0 to 25 mph

**DEBRIS REMOVED:**

Broken glass, plastic, syringes, cigarette butts, pop-tops, straws, cans, tar balls, stones 3/8″ to 6″ (,9 cm to 15,24 cm) in diameter, sea grass, seaweed, fish, small pieces of wood.

**PERFORMANCE:**

Cleans up to 1.6 hectares/hr

**HOPPER:**

,75 cubic meters (1100 kg cap.)

**DUMP HEIGHT:**

Ground

**TIRES:**

78.7 x 34.3 x 38.1 cm high flotation design

**CONEYOR:**

Of bar flight type, covered with continuous 1,2 m wide belt, with stainless steel spring tines mounted on it.

**HYDRAULIC DRIVE:**

Completely sealed and protected by the full flow filter. Large capacity spline mounted pump, hydraulic motor, flow control, and built-in overflow protection.

**HYDRAULIC FLOW:**

45 L/min

**HYDRAULIC CAPACITY:**

42 L

**CYLINDERS:**

Trip 2.54 cm x 25.40 cm single acting

**PAINT:**

Dupont IMRON Polyurethane enamel

**TRACTOR:**

30 PTO horsepower 4-wheel drive agricultural type tractor with 71 cm rear wheels.

**OTHER TRACTOR REQUIREMENTS:**

540 RPM rear PTO, 3-point hitch and depending on model and options, up to two remote hydraulic valves with raise, hold and float positions. Larger or smaller tractors may be used depending on beach conditions.