

Specifications

General:

Hydraulically driven rotary angle broom
Available in 7' (84"), 8' (96"), and 9' (108") widths
Hydraulic swing capable of up to 30° left or right of center with provisions to hold the broom at 0°
Broom speed up to 275 RPM
Max sweeping speeds up to 20 MPH

Main Frame:

15" Automotive type wheels with 5 or 6 bolt, 5 1/2" pattern
Automotive type hubs with high-speed tapered roller bearings equipped with grease caps and seals
Welded 5" square tubular backbone and vertical support
Adjustable hitch height of 16" to 30" from ground
36" tongue length with 3" pintle eye to connect to tow vehicle

Brush:

32" O.D x 10" I.D poly/wire wafer style brush
2" spacers manufactured from 20-gauge mild steel strap
Brush core can be installed with either end to the left or right with no effect on sweeping performance
Brush and core assembly can be removed from frame without disconnecting hoses from drive motor(s)

Brush Frame:

3 1/2" O.D. round tubular cross member
Two brush arms formed from 1/4" steel plate
Rectangular front support bar for additional frame strength

Brush Hood:

Manufactured from 16- Gauge steel with formed edge fold for additional strength
12-Gauge steel end plates
Hood covers 145° of brush
Pre-drilled holes for easy installation of front deflector

Brush Lift:

Lift provided by a single hydraulic cylinder
Brush pattern is adjustable by means of a threaded shaft on the lift cylinder
Broom head can be locked for transportation

Brush Drive:

Standard with dual low-speed, high-torque, 18 c.i.d hydraulic motors
Motors are coupled directly to the brush core by means of a 5-5/16" poly hexagonal hub
Motors are recessed into brush frame to protect from collision

Engine/Hydraulic System:

Powered by a 23.5 HP air-cooled gasoline engine
Gear-type pump coupled directly to the engine
Two-spool valve on frame (with built-in relief) controls broom lift and brush rotation
13 gallon reservoir and spin-on oil filter with fuel level gauge (20 gallon for diesel options)
Automotive type 12V battery secured in a covered container
Engine air filter/cleaner

Finish:

Steel surfaces undergo a phosphatizing acid bath to clean and etch the surfaces to provide superior adhesion
Epoxy primer and polyurethane topcoat
Painted M-B yellow



Available Options

- All Poly Brush
- Dirt Deflector
- Sprinkler System
- Sight Indicators
- Wireless Remote Control
- LED Light Package
- Rotating Beacon Light
- Fenders
- 3rd Wheel (Located in front)
- Spare Tire (Mounted)
- Gauges (Gas Only)
- Truck Gravel Shield
- 180 Degree Hood Extender
- Elevated Air Pre-Cleaner
- Trailer Brakes
- Parking Brakes

*Standard model 53MH

Hydraulic Tow Behind Broom

7-foot (84") Broom

Combo (Poly/Wire) Brush

M-B Yellow

Dual Hidden Motors

23.5 HP Kohler Gas Engine

Hydraulic Lift and Swing with Manual Valve

Available Options

Broom Width

8-foot (96") Broom

9-foot (108") Broom

Brush Filament

Poly (Polypropylene)

Optional Equipment

Deflector (Number of feet)

150 Gallon Sprinkler System (requires remote option)

Sight Indicators

Electric Brakes

Wireless Remote Control (angle, lift, broom on/off, engine speed hi/low, strobe, sprinkler)

Elevated Centrifugal Air Precleaner

Fenders

Hitch, ball 2/5/16 (IPO pintle)

Rotating beacon lights

LED stop/tail/turn signal, clearance lights (requires fender option)

Electric Trailer Brakes w/ Parking Brake Feature

Three-wheel in place of tow pole

Hour Meter

Spare tire option (mounted)

180° Hood Extension

Truck Gravel Shield

For brush replacements see "Replacement Brush Guide" section or online at www.m-bco.com