

WE KNOW CLEAN™

A FAMILY COMPANY SINCE 1967




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FACTORYCAT®

MAG-HD

**AMERICAN-MADE
WORKHORSE**

Made in the USA 

**RELIABLE MACHINE
BUILT FOR LONGEVITY**



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TANKS

The MAG-HD tank features Clam Shell Tip-Back Tank design as well as a Front Solution Fill System that provides multiple benefits:

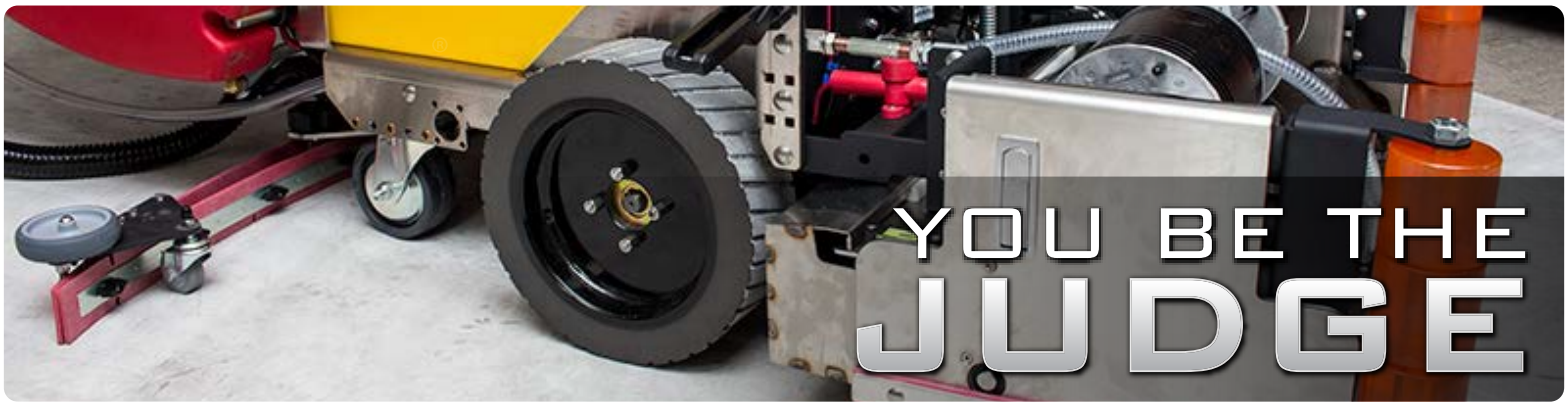
1. Easy rinsing of the Recovery Tank after use
2. Easy access to components for serviceability
3. Doesn't bolt directly to the frame so it's less likely to be damaged or risk stripping inserts
4. Removable Screen Inlet
5. Retractable Faucet Hose



RECOVERY TANKS

The MAG-HD machine's Recovery Tank provides many benefits:

1. Full view instantly into Recovery Tank levels
2. Instant visual of the Drain Saver Basket levels
3. Instant visual of the White Vac Filter
4. A stainless steel baffle separates the foam from the vacuum motor intake, thus protecting vacuum motors
5. An oversized vac screen & ball float which is less likely to clog and features improved airflow over smaller screens - this is a drop-in screen and won't fall into recovery tank like clip on designs

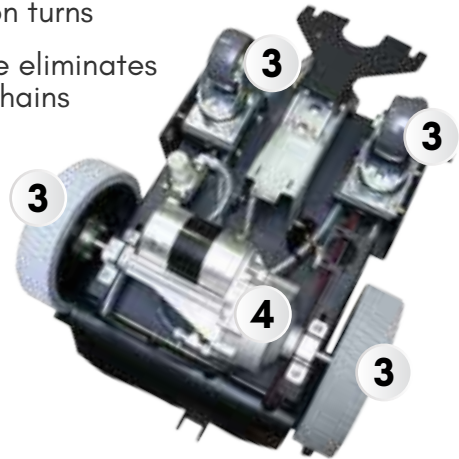


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TIRES & TRANSAXLE

The MAG-HD features:

1. Quality Casters - 5" x 2" which offers easy steering and offers a small, soft footprint
2. Heavy Duty, large diameter, solid tires for durability and improved ride over expansion joints and irregular surfaces - solid tires eliminate flats and have longer life than Pneumatic
3. 4-Point stance for stability over rough surfaces and improved safety on turns
4. All Gear Transaxle eliminates maintenance of chains



STEEL FRAME

1. Oversized Battery Box in case of leakage, completely contains any acids, and includes high quality Trojan batteries
2. HD Bosses are bolted to frame for seamless tank support and Tip-Back design
3. The MAG-HD machine is built using a heavy duty, e-coated, steel frame - all components (casters, Transaxle, Scrub Deck, Squeegee Linkage, and Jaws) bolt directly to this HD frame with stainless through bolt fasteners
4. Equipped with Frame/Transaxle curtain to prevent water from splashing up on the underlying components





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CENTRAL COMMAND



1. Separate controls for speed and direction makes it easy for new operators to use - this system eliminates possibility that "steering inputs" will affect transport speed
2. We continue to build our Central Commands with marine duty switches for easy service as opposed to expensive and exclusive membrane panels
3. We build the Central Command enclosures in thick steel to protect electronics from moisture and physical damage - this allows us the ability to remove the entire Central Command for factory servicing should the need arise



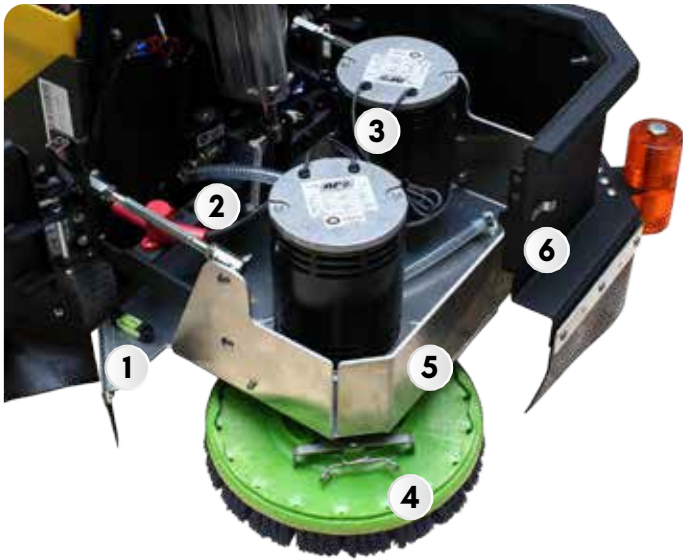
SQUEEGEE

The MAG-HD's squeegee features:

1. 4 Sided Squeegee Blades - Front Blade features 2 unique hold patterns for different applications to alter airflow
2. Quick Change Blade Latch
3. Heavy Duty, non-marking, solid wheel that is extremely durable with soft edges
4. Lock squeegee adjustments in place with locking nuts utilizing easy store wrench provided with machines
5. Squeegee Wrench tool



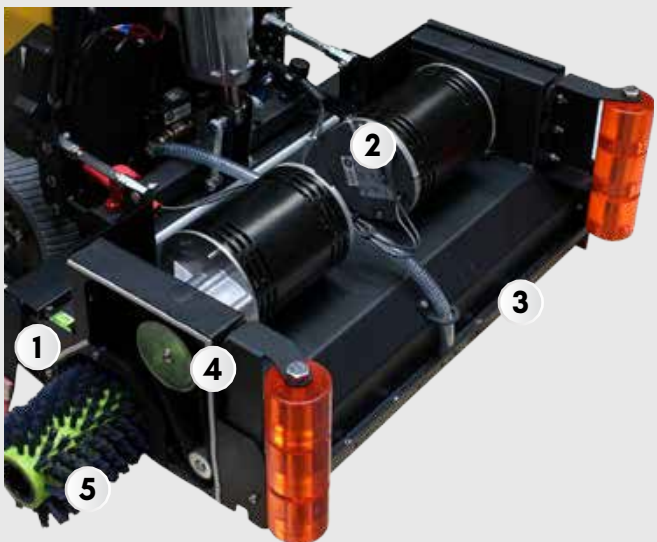
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DISK DECKS

The MAG-HD Disk Decks:

1. Include levels & adjustable arms to allow operators to constantly review if the deck is aligned properly for maximum performance
2. Uses heavy gauge steel arms to better withstand collision
3. Use heavy duty motors provide optimum performance and life
4. Come with quality choice of brush featuring more fiber area than look-alike brands
5. Are made out of Aluminum for corrosion resistance as well as serviceability weight
6. Includes heavy duty jaws with tall non-marking rollers standard to protect the deck from operator or environmental damage



CYLINDRICAL DECKS

The MAG-HD Cylindrical Decks:

1. Include levels and adjustable arms to allow operators to constantly review if the deck is aligned properly for maximum performance
2. Use heavy duty motors provide optimum performance and life
3. Are made out of e-coated or Stainless Steel for durability
4. Heavy Duty tooth belt and plated sprockets permits more powerful motors
5. Come with quality choice of brush featuring 50% longer fibers area than look-alike brands
6. Tall non-marking rollers are spring mounted to protect walls

Technical Data

FACTORY CAT MAG-HD AT A GLANCE

BODY CONSTRUCTION / DIMENSIONS

| | |
|----------------------------------|--|
| Tank Material: | Poly 3/8" (9.5 mm) |
| Chassis Construction: | 3/16" Steel (4.8 mm) Powder Coated Steel |
| Front Wheels (Diameter x Width): | (2x) 12" x 2.75" ([2x] 30.5 x 7 cm) - Solid Black |
| Rear Casters (Diameter x Width): | (2x) 5" x 2" ([2x] 12.7 x 5.1 cm) - Non-Marking Grey |
| Size (L x W x H): | 55" x 26" x 40" (139.7 x 66 x 101.6 cm) |
| Weight (w/o Batteries): | 441 - 481 lbs (200 - 218 kg) |
| Weight (w/ 210 ah Batteries): | 775 - 825 lbs (352 - 374 kg) |

BRUSH / PAD SYSTEM

| | |
|---|--|
| Disk Dimensions: | 30" - (2x) 15" Diameter (76.2 - [2x] 38.1 cm) |
| <small>Includes Jaws with Rollers for Wall Protection</small> | 34" - (2x) 17" Diameter (86.4 - [2x] 43.2 cm) |
| Disk Motor: | (2x) 1.0 hp ([2x] 746 watts) |
| Disk Brush Speed: | 350 rpm |
| Cylindrical Dimensions: | 29" - (2x) 6" x 27" (73.7 - [2x] 15.2 x 68.6 cm) |
| <small>6" Diameter Brush</small> | 33" - (2x) 6" x 31" (83.8 - [2x] 15.2 x 78.7 cm) |
| Cylindrical Motor: | (2x) 1.0 hp / 350 rpm ([2x] 746 watts) |
| Cylindrical Brush Speed: | 750 rpm |
| Brush Pressure Settings: | (5) with Auto Adjust |
| Brush Down Pressure: | Up to 185 lbs (84 kg) / 500 lbs (227 kg) Actuator Rating |

POWER SYSTEM

| | |
|---|--|
| System Voltage: | 24 VDC |
| Standard Battery: | 315 ah WET |
| Optional Battery: | 360 ah WET / 335 ah AGM* |
| <small>*Includes Onboard Charger</small> | |
| Run Time: | Up to 5.0 Hours** |
| <small>**Run times are based on continuous scrubbing run times.</small> | |
| Charger: | 120VAC / 60 Hz Input - 24VDC / 30 amp Output |

DRIVE SYSTEM

| | |
|------------------|--|
| Power: | 0.75hp - All Gear / Sealed (559 watts) |
| Forward Speed: | 0 - 290 ft/min / 0 - 3.3 mph (0 - 88 m/min / 0 - 5 km/h) |
| Scrubbing Speed: | 0 - 229 ft/min / 0 - 2.6 mph (0 - 70 m/min / 0 - 4 km/h) |
| Reverse Speed: | 0 - 202 ft/min / 0 - 2.3 mph (0 - 62 m/min / 0 - 4 km/h) |

SOLUTION / RECOVERY SYSTEMS

| | |
|--------------------------------------|---|
| XL Tank Solution Capacity: | 35 Gallons (132.5 liters) - w/ Graduated Site Tube |
| Solution Flow / Filter: | 0 - 1.0 GPM / Stainless Inline (0 - 4 LPM) |
| XL Tank Recovery Capacity: | 37 Gallons (140.1 liters) - 1.5" diameter Drain Hose |
| Optional Small Tank Capacity: | 30 Gal (113.6 liters) Solution / 32 Gal (121.1 liters) |
| Demisting Chamber: | 1.25 Gallons (4.7 liters) |
| Drain Saver: | 30 cubic inches (492 cubic cm) |
| Vacuum Power: | 0.8 hp / 3 Stage (640 watts) |
| Vacuum Specs (Water Lift / Airflow): | 68" / 72 cfm (173 cm / 2 cm/m) |
| Squeegee: | Curved w/ 4-sided Rear Blade & Quick Change Latch All Sizes - 42" (106.7 cm) Optional - 33", 36", & 39" (83.8, 91.4, 99.1 cm) |

GENERAL

| | |
|---|--|
| Cleaning Width: | 30" & 34" - Disk (76.2 & 86.4 cm) 29" & 33" - Cylindrical (73.7, 83.8 cm) |
| Productivity - Theoretical: | Up to 31,915 sqft (2,965 sqm)*** |
| <small>***Productivity is based off of ISSA 2010 Cleaning Times</small> | |
| Productivity - Practical: | Up to 14,851 sqft (1,380 sqm)*** |
| <small>***Productivity is based off of ISSA 2010 Cleaning Times</small> | |

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