

The Ice Master Innovation







Product sheet
Mammoth



WM's powerful ice resurfer for stadiums is suitable for ice surfaces of 2,600 m² / 28,000 ft².

When it comes to flawless **resurfacing** of stadium rinks, the Mammoth has it all: High-performing, maintenance free AC motors, large snow and water tank capacity and a quick blade change system. With its compact build, the machine has an extremely tight turn radius, which means that the ice can be resurfaced quickly, efficiently and without overlaps. Technically sophisticated, user-friendly and with numerous extras: Mammoth is the champion of professional ice resurfacing of rinks of 2,600 m² / 28,000 ft².

	Snow tank volume	3 m ³ / compacted 3.6 m ³ 106 ft ³ / compacted 127 ft ³
	Water tank volume	1,000 l / 1,350 l / 1,750 l 264 gal / 356 gal / 462 gal + snow tank-water tank connection 2,000 l / 2,350 l / 2,750 l 528 gal / 620 gal / 726 gal
	Blade width	2,100 mm / 2,300 mm / 2,500 mm 82 5/8 in / 90 1/2 in / 98 7/16 in Blade change < 60 seconds
	Fields of operations	Pro / Ice stadiums

“The Mammoth has met all of my expectations: It guarantees flawless ice quality, is 100% reliable and working with it is a joy!”

Sascha Koullen - Ice Master
LANXESS arena
(Germany)





Award-winning Italian Industrial Design

A special accolade for WM technics: Our Mammoth has been featured in the [ADI Design Index](#), an publication spotlighting distinguished products, projects, and services in industrial design. The ADI (Association for Industrial Design) strives to promote and showcase both Italian and international industrial design.

With a membership base spanning over 1,200 individuals from diverse sectors, the association views industrial design as a significant cultural and economic force.

ADI DESIGN
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Award-winning Italian
Industry design

Safety and protective features

At WM technics, safety and health protection always come first. A thorough and independent inspection carried out by [Suva](#), the accredited and recognized Swiss certification body, confirms compliance with the European Directive 2006/42/EC, which regulates the level of protection against machinery-related accidents to ensure user safety.

suva
CERTIFICATION

In compliance with Suva certification
No. E 7138/2.e

TECHNOLOGY

The Mammoth **redefines benchmarks** in ice resurfacing: State-of-the-art design converges with precision-engineered tech, optimized for unmatched performance on ice. Autonomously or manually driven, wholly electric, and eco-friendly. Dive deep into our electrifying revolution.



The Mammoth impresses with its blend of elegance and resilience: Its tail end, exquisitely shaped from a rust-resistant, lightweight alloy, guarantees a harmonious weight balance and energetic, cost-effective movement. Perfect weight allocation between the anterior and posterior axles, coupled with a lowered center of mass, promises superb turns on icy terrain.

When raising the hydraulic canopy, an organized engine compartment unveils itself. Centrally located, the vibration-dampening hydraulic oil reservoir equipped with a built-in electric motor that varies its rotation speed based on requirements, ensuring a quiet performance. All electric valves are neatly assembled on the left in a custom-built hydraulic unit. On the right side, the engine compartment shelters water-resistant electronics adhering to contemporary off-highway norms.

Technical specifications

Mammoth

Motor	5 asynchronous motors Optional 6 asynchronous motors
Power rating	31 kW (33 kW)
Water tank	1,000 l 264 gal / Optional: 1,350 l 356 gal / 1,750 l 462 gal
Snow tank	3 m ³ 106 ft ³ / compacted 3.6 m ³ 127 ft ³
Transmission	Continuously adjustable electric all-wheel drive
Speed	0 - 13 km/h 0 - 8 mph
Tyres	225 / 75 / R16C with 6 rows of spikes
Wheel rims	9" x 16" with hubcaps



In compliance with Suva certification No. E 7138/2.e

Standard equipment

Machine

PLC control
Easily accessible engine compartment (tiltable) with cab support
Hydraulic oil tank: 50 l / 13 gal
Maintenance-free asynchronous motors
Service brake with hydraulic brake force booster
Hydraulic negative parking brake
Snow bin & water tank connection (> 2,000 litres / > 528 gal)
Electrical snow bin inspection hatch
Coated snow bin
Snow bin headlight, side headlight
Water tank made of PE
Function for automatic water filling system with immobilizer
Hydraulically driven and swivelling side brush made of stainless steel
Board guide pulley
Side & rear mirror
LED daytime running light
Flashing warning light
Acoustic signal for reverse drive, snow bin cover operation, reverse of the screw conveyors and blade exchange

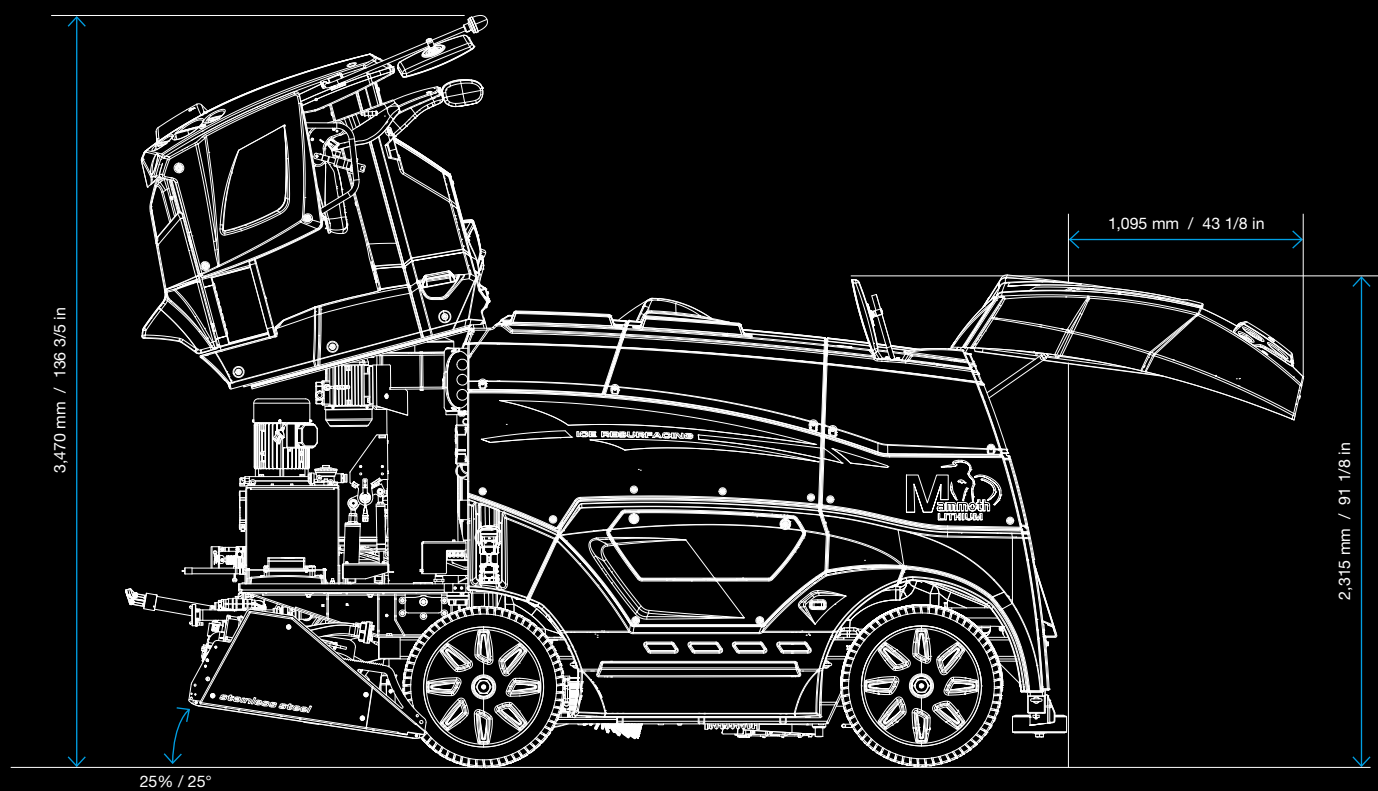
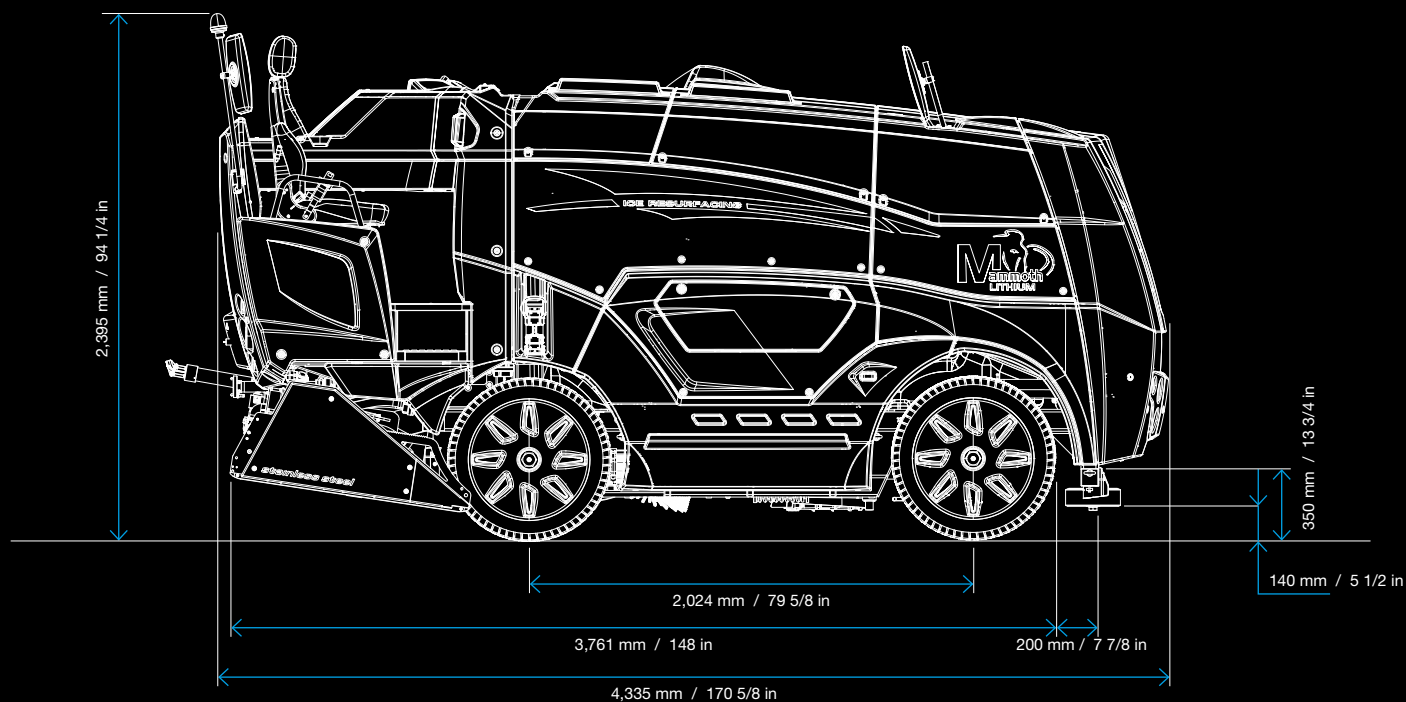
Cockpit

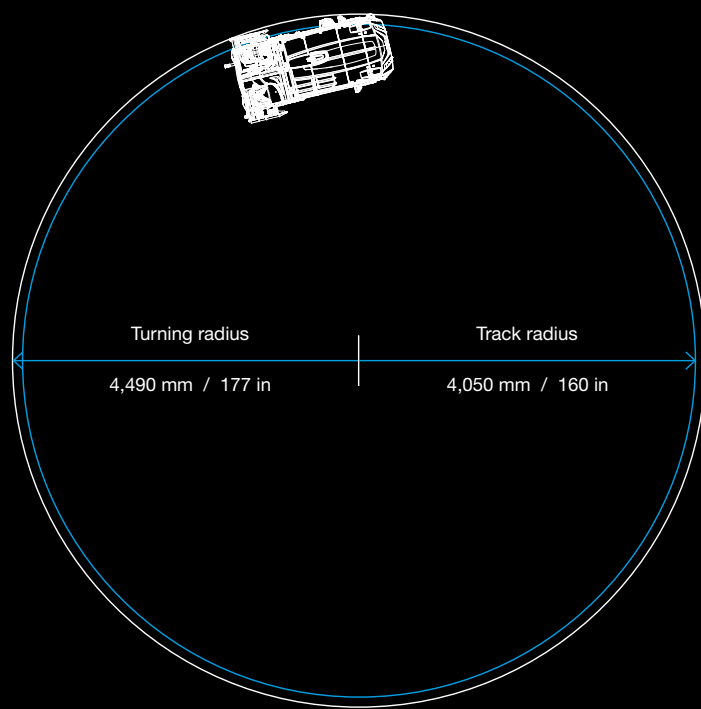
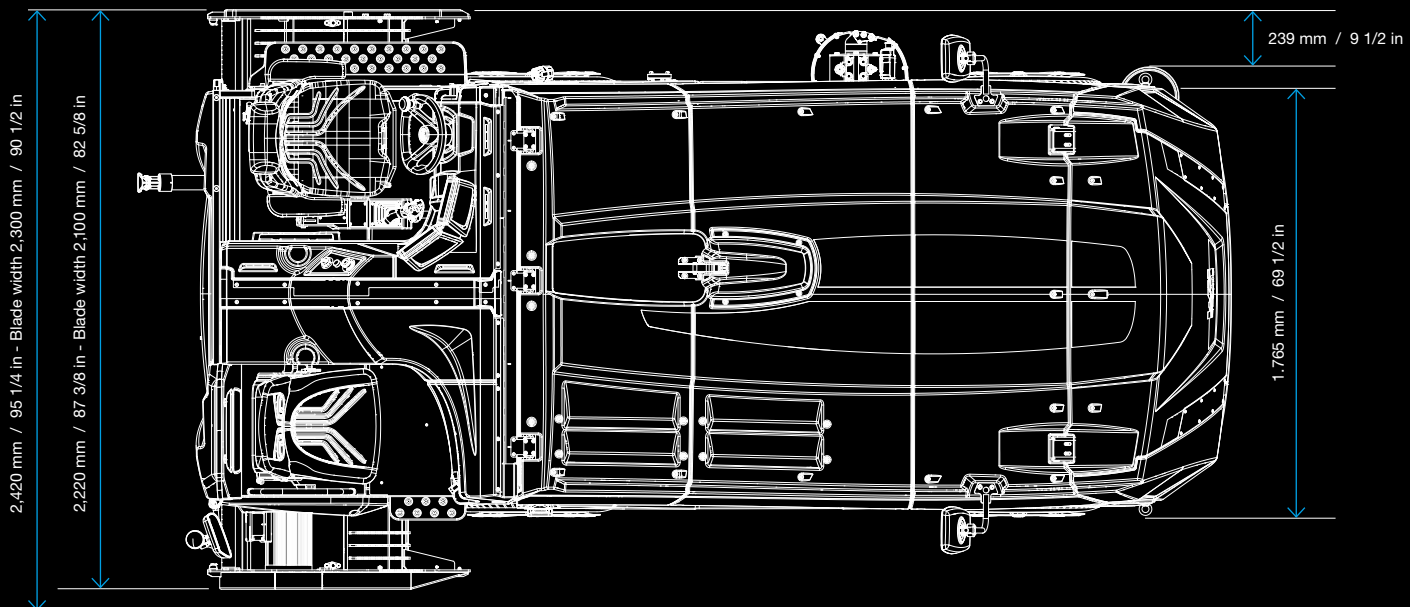
Spring-suspended and height-adjustable driver's seat (fabric) with armrests
Spring suspended passenger seat
Dual Screen: 2 high-resolution 7" touchscreens
Ergonomic multi-function joystick with 9 control buttons, three rotary controllers and travel direction switch
Freely assignable button on joystick can be programmed by the operator to facilitate access to a frequently used function
Button for automatic mode: operations start automatically in a fixed order

Planing system / Conditioner

Conditioner made of stainless steel
Constant grinding pressure conditioner
System for water dosing in curves
Quick-Change-System for a fast blade replacement (< 60 seconds)
2 blades in wooden transport box (super-light blade - 3.5 kg / 7.7 lbs)
2 towels

Dimensions





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