

PERFECT ICE, LIMITLESS

Catalogue
evo²



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COMPANY

Young, vibrant, and cutting-edge:
At WM technics, innovation is our top
priority - for both us and our clients.

Established in 1986, WM technics crafts premium **ice resurfacing machines** suitable for every surface and requirement. Our state-of-the-art models stand out with their advanced technology, user-friendly operation, certified safety, and contemporary design.



Ice resurfacing machine
WM 2300.
Year of construction 1986

Here's what we have to offer

Whether catering to professional ice needs within an arena or on a transportable rink, the distinction is minimal: WM technics consistently offers the optimal solution for any requirement. Owing to our relentless pursuit of product excellence, we pioneer cutting-edge standards and stand as a prominent leader in the worldwide market. Powered by our robust digital infrastructure, design, part production, and the assembly of ice resurfacing machines are conducted at our South Tyrol-based facility (Italy). In this

manner, WM technics guarantees unparalleled quality, attending to every intricate detail. Bespoke setups built on customer specifications, reduced maintenance commitment, and steadfast assistance affirm WM technics as a powerful ally.



Lukas,
Assembly Team





Always Ahead of the Curve

With precision, we delve into research, trials, and connections. Our team's years of prowess in development, manufacturing, and setup culminate into a harmonious synergy.



Safety at its Finest

Our cardinal rule: Prioritizing safety and well-being. WM technics' ice machines are designed with intuitiveness and uncompromised safety, meeting European machinery guidelines.



Design with a Spark

WM technics brings to life trailblazing ice machines, always keeping the client and entire production lifecycle at heart.



Precision Production

WM technics manufactures all its turning and milling components with utmost precision in its production department, only sourcing standard parts from reputed manufacturers. Each component is then customized in detail based on its function and crafted with the greatest care.



Streamlined Assembly

WM technics champions the rapid production of ice machines, backed by rigorously organized processes. Every move is intricately mapped and transparent. Our commitment to precision minimizes the need for maintenance.



360-Degree Quality

WM technics designs and produces innovative ice resurfacing machines that meet all efficiency, reliability, longevity, and ease-of-use requirements. Series construction and in-house production also allow for the detailed tracking of all fabrication stages and utilized components.



Sustainability with Vision

WM technics machines are designed to stand the test of time. We advocate for enduring products while keeping an eye on operational expenses. Balancing energy conservation, reduced consumption, and profitability doesn't deter us from delivering peak performance.



Customer-Centric Assistance

Just as our machines care for the ice, we cherish our relationships with our customers: not only before the purchase but also during the commissioning and afterwards. We meet our clients' unique requirements even during the production process, tailoring our approach to their needs.



ELECTRIC / LITHIUM
DIESEL
PETROL

evo²

The ideal ice resurfer for larger areas,
designed for high performance, flexibility
of use and simplified maintenance.

The powerhouse in ice resurfacing for heavy-duty use on ice rinks and stadiums of over 4,200 m².

The powerful evo² can handle any task on ice rinks or in stadiums with ease. Its large-volume, combinable snow and water tanks allow for flexible use, with power provided by diesel, petrol or electric motors.

The ultra-fast blade replacement system, excellent overview of controls and automatic mode all ensure outstanding user-friendliness. Rapid access to the engine compartment makes maintenance quick and inexpensive.

	Snow tank volume	4.1 m ³ / compacted 5.1 m ³
	Water tank volume	1,200 l / 1,400 l / 2,000 l + snow tank-water tank connection 2,550 l / 2,750 l
	Blade width	2,300 mm / 2,500 mm Blade change < 60 seconds
	Field of operation	Professional / Heavy duty

“Our arena is a training centre for international teams and a venue for major sporting events. Perfect ice quality is an absolute must! With the evo² I can guarantee perfect ice rinks.”

Toni Doppler - Ice Master
Max Aicher Arena,
Inzell (Germany)





Safety and protective equipment

WM technics puts the protection of health and safety first. In-depth, independent testing by [Suva](#), the accredited and notified Swiss certifying body, certifies compliance with the provisions of European Directive 2006/42/EC, which regulates the level of protection against machine accidents so as to ensure the user safety.

suva
CERTIFICATION

Complies with Suva Type-Examination Certificate no. E 7139/2.e

Highlight

Driver's cabin

evo² offers maximum driver **comfort**.
The cabin provides all-round vision at all times.
There is a step for ease of access.

All important information is clearly visible at a glance on the high-definition colour display, and all main functions are keyboard-controlled. At a simple press of a button, the automatic mode begins all work operations in a pre-defined order, while the height-adjustable Grammer suspension seat provides outstanding comfort.



Exclusive comfort

Panoramic view

Maximum control

Highlight

Ultra-light blade

The evo² quick blade-change system eases working life enormously: blades can be changed in just 60 seconds!

The blades are made of a special steel, giving both an above-average service life and an impressive weight of just 3.5 kilos. Blades can therefore be changed quickly and safely.



👤 3.5 kg

Two blades together with all accessory equipment are supplied as standard in a practical wooden transport box.



Easy, quick and precise

Low injury risk

Superior quality of ice

Highlight

Integrated edger

The edger is fixed to the body of the evo², guaranteeing outstanding stability and performance.

The edger can be operated easily and safely from the driver's seat. The innovative horizontal suspension system with guide wheel ensures that the edger perfectly follows the contours of the rink to a constant planing depth, while excess ice is efficiently and cleanly removed.

The swivel brushes permit the edging and subsequent cleaning of the ice surface in one simple step. The edgers are positioned between the axles and in front of the brush, ensuring an unrestricted overview of the vehicle. When not in use, the edgers are stored between the wheels and do not affect operation in any way.



Perfect adaptation to edges

Planing and cleaning

Horizontal suspension system

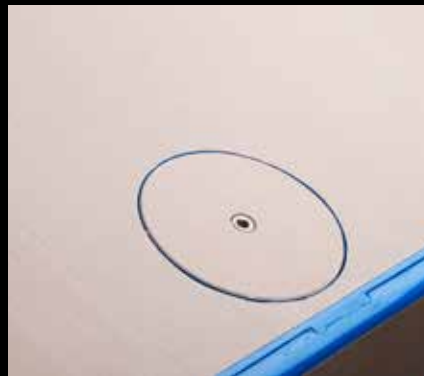
Highlight

Water and snow tank

More water is a must when building up ice depth or using a water sprayer: the evo² has it all taken care of!

The water and snow tanks can easily be connected into one water tank with a total volume of around **2,550 litres**. No more standing in cold water or tiresome tugging on hoses: all operations can be carried out from the comfort of the driver's cabin – there's more than enough water to do the job.

Example: large 1,400-litre water tank plus 1,350-litre snow tank = 2,750 litres of water



Cover closed



Cover open: connected

Optimised capacity

Continuous smooth operation

Greater comfort

Highlight

LiFePO₄ lithium battery

LiFePO₄ batteries deliver **robust performance while being eco-friendly**, lacking harmful heavy metals and being largely recyclable. Installed in evo², they stand as an eco-optimized solution meeting top-tier demands.

Performance

The lithium iron phosphate battery not only ensures extended longevity but also provides a consistent and reliable power supply.

Sustainability

LiFePO₄ batteries are free from toxic heavy metals and are almost 100% recyclable, with a lifespan of 3-4 times as many charging cycles as lead batteries.

Center of gravity

Our centrally and deeply positioned battery not only ensures maximum stability but also optimizes the overall balance of the machine.

In-house Assembly

Battery packs are specifically tailored to machine requirements and are assembled in-house, ensuring quality and adaptability.

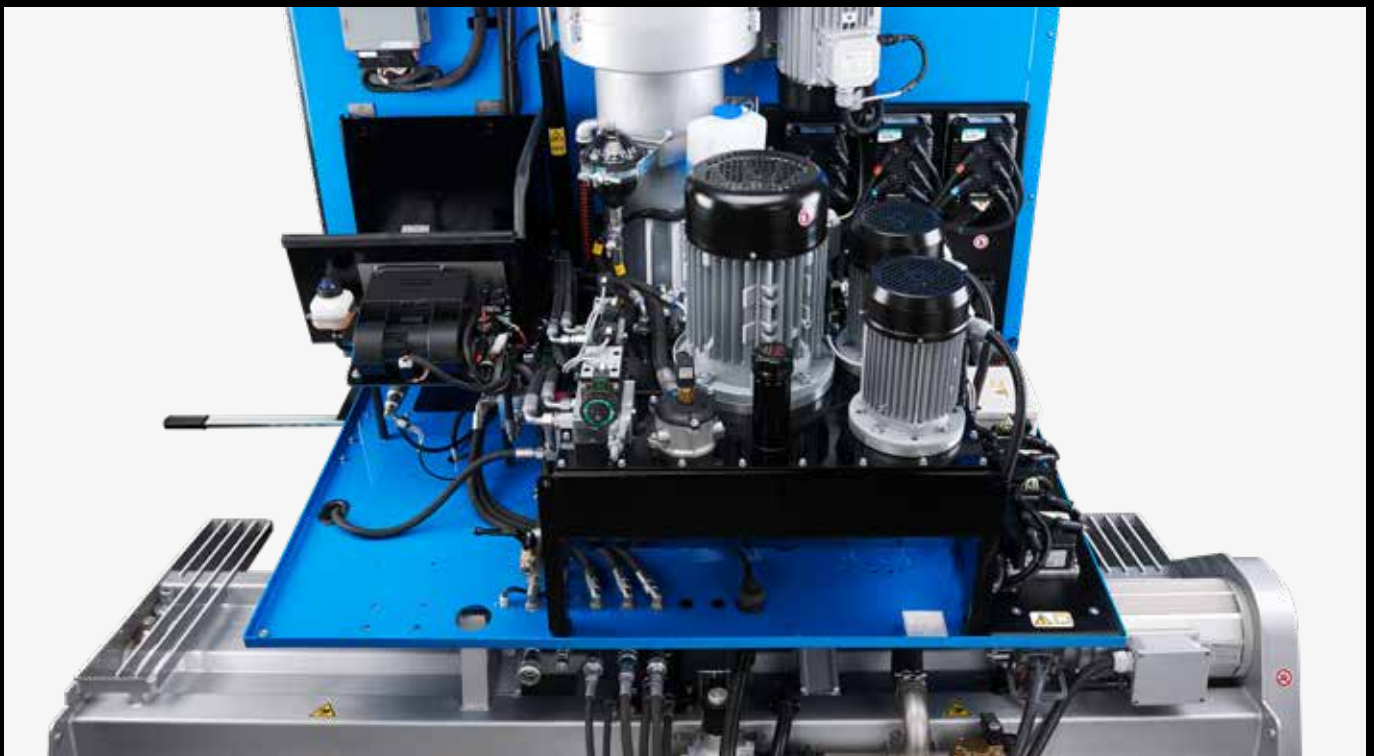


Highlight

Maintenance

Easy maintenance and **low operating costs** with evo²: simply lift the cabin to access all components in the engine compartment.

This means that our mechanics can carry out their work quickly and cleanly, which in turn saves on time and service costs. Our team can also use remote monitoring to keep an eye on your vehicle and rectify any faults which may occur.



Cost-effective maintenance and operation

Free and rapid access to the engine compartment

Skilled remote maintenance

TECHNOLOGY

Its technology means the evo² can resurface large ice surfaces to a very high standard, guaranteeing a perfect finish for even the biggest areas.



Its innovative technology offers unprecedented benefits: the precision of its mechanics and control systems ensure uniform resurfacing with perfectly smooth ice. Designed for maximum efficiency, evo² minimises consumption, optimises performance and reduces running costs.

evo² is designed to meet every need and thus offers three different drive options: Electric/Lithium, Diesel and Petrol.

The cabin can be hydraulically lifted for quick and easy access to the engine compartment, which greatly facilitates maintenance tasks.

Electric/Lithium

Facts & figures

Motor	7 asynchronous motors
Total power	33 kW
Water tank	1,200 l optional 1,400 l / 2,000 l
Snow tank	4.1 m ³ – compacted 5.1 m ³
Transmission	Continuously adjustable electric all-wheel drive
Hydraulic oil tank	50 l
Speed	0 - 13 km/h
Tyres	225 / 75 / R16 C 6 rows of spikes
Wheel rims	8" x 16"



Standard equipment

Cab with heated windshield in safety glass, windscreen wiper system and interior light
PLC control
7 inch colour display
USB port for installing updates and data exchange
Button for automatic mode: Operations start automatically in a predefined order
Spring-suspended and height-adjustable driver's seat (fabric)
Armrest with storage capacity
Power steering
Easily-accessible engine compartment (tiltable) with cab support
Maintenance-free asynchronous motors
Water tank made of PE
Snow bin & water tank connection (> 2,550 litres)
Function for automatic water filling system with immobilizer (Acquastop valve as optional)
Coated snow tank
Footbrake and parking brake
Hydraulically driven and swivelling side brush
Board guide pulley
Side mirror, rear
Front headlights, snow bin headlight, side headlight
Flashing warning light
Acoustic signal for reverse drive, snow bin cover operation, reverse of the screw conveyors and blade exchange
Proportional water metering
System for water dosing in curves
Planing system made of stainless steel
Constant grinding pressure planing system
Quick-Change-System for fast blade replacement (< 60 seconds)
2 blades in wooden transport box (super-light blade - 3.5 kg)
2 towels
Scope of delivery-set



In compliance with Suva certification no. E 7139/2.e

Diesel

Facts & figures

Engine	Hatz 4H50TICD, 4 cylinder 1,952 cm ³
Power	55.4 kW / 74.3 HP - 2,800 rpm
Torque	240 Nm - 1,600 rpm
Exhaust gas treatment	DOC, DPF with EGR Emission Stage V / EPA Tier 4 final
Unloaded weight	3,750 kg (basic outfit)
Water tank	1,450 l optional 1,600 l / 2,200 l
Snow tank	4.1 m ³ – compacted 5.1 m ³
Transmission	Continuously adjustable hydraulic all-wheel drive
Fuel tank	52 l
Hydraulic oil tank	65 l
Speed	0 - 16 km/h
Tyres	225 / 75 / R16 C 6 rows of spikes
Wheel rims	8" x 16"



Standard equipment

Cab with heated windshield in safety glass, windscreen wiper system and interior light
PLC control
7 inch colour display
USB port for installing updates and data exchange
Button for automatic mode: Operations start automatically in a predefined order
Spring-suspended and height-adjustable driver's seat (fabric)
Armrest with storage capacity
Power steering
Easily-accessible engine compartment (tiltable) with cab support
Hydraulic oil cooler
Water and fuel tank made of PE
Function for automatic water filling system with immobilizer (Acquastop valve as optional)
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Facts & figures

Engine	Ford MSG 425 - 2,500 cm ³
Power	51.5 kW / 70 HP - 2,600 rpm
Torque	190 Nm - 2,600 rpm
Unloaded weight	3,750 kg (basic outfit)
Water tank	1,450 l optional 1,600 l / 2,200 l
Snow tank	4.1 m ³ – compacted 5.1 m ³
Transmission	Continuously adjustable hydraulic all-wheel drive
Fuel tank	52 l
Hydraulic oil tank	65 l
Speed	0 - 13 km/h
Tyres	225 / 75 / R16 C 6 rows of spikes
Wheel rims	8" x 16"



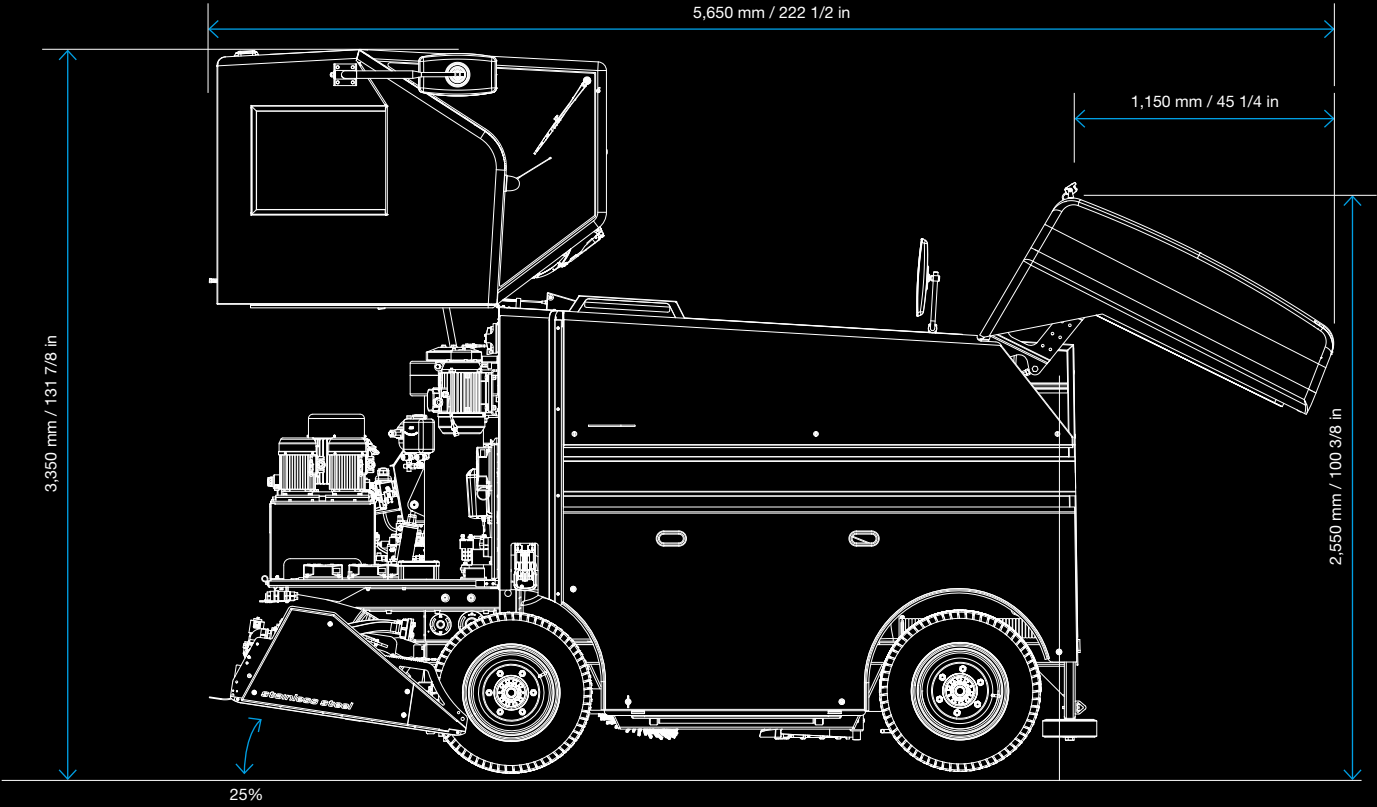
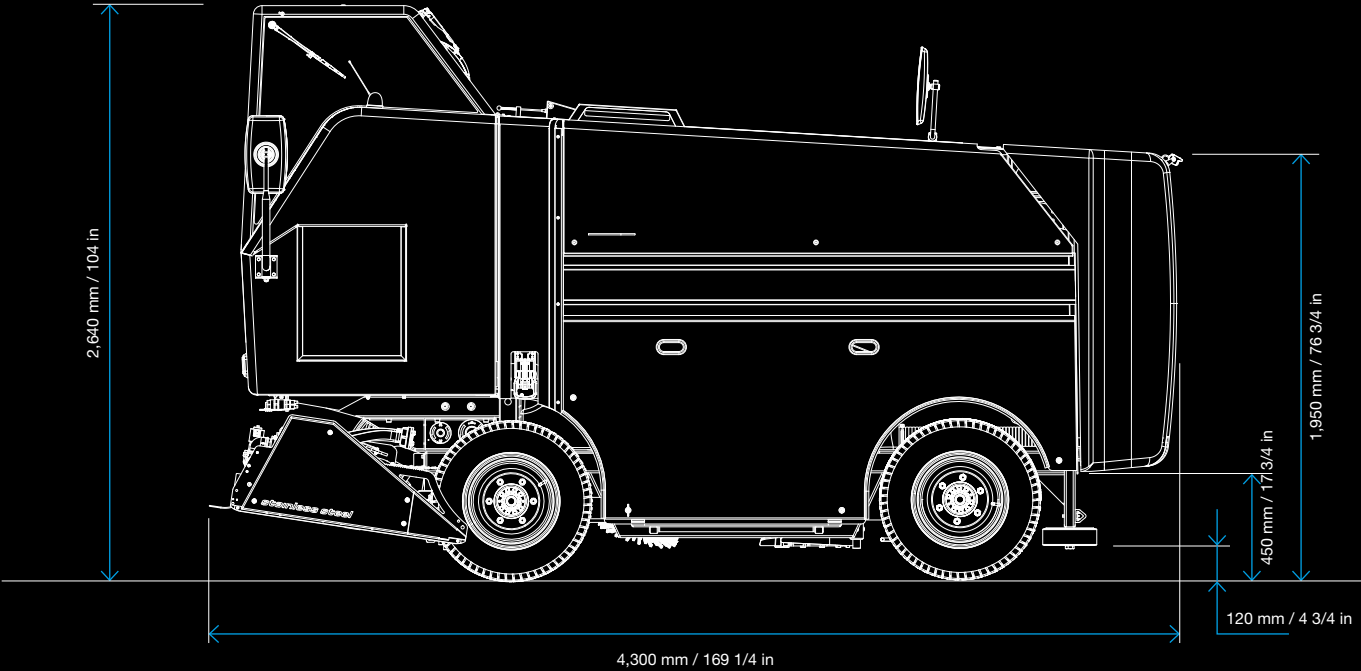
Standard equipment

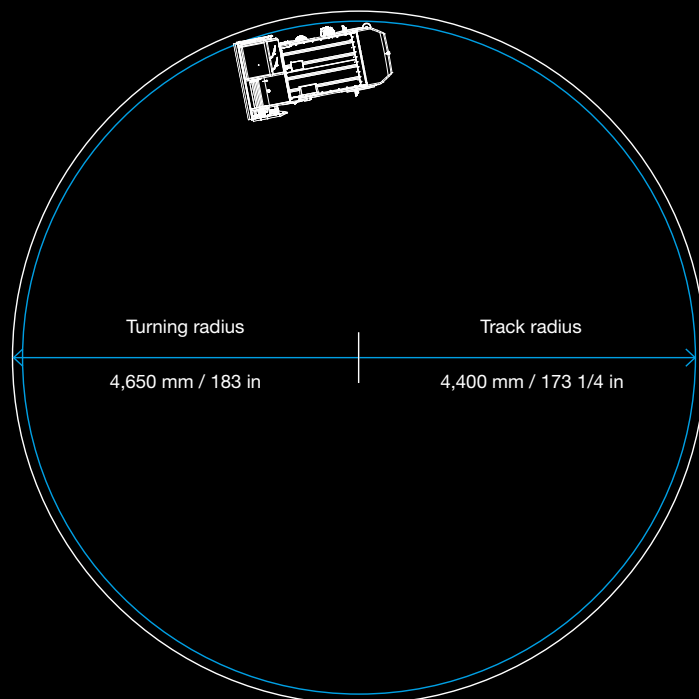
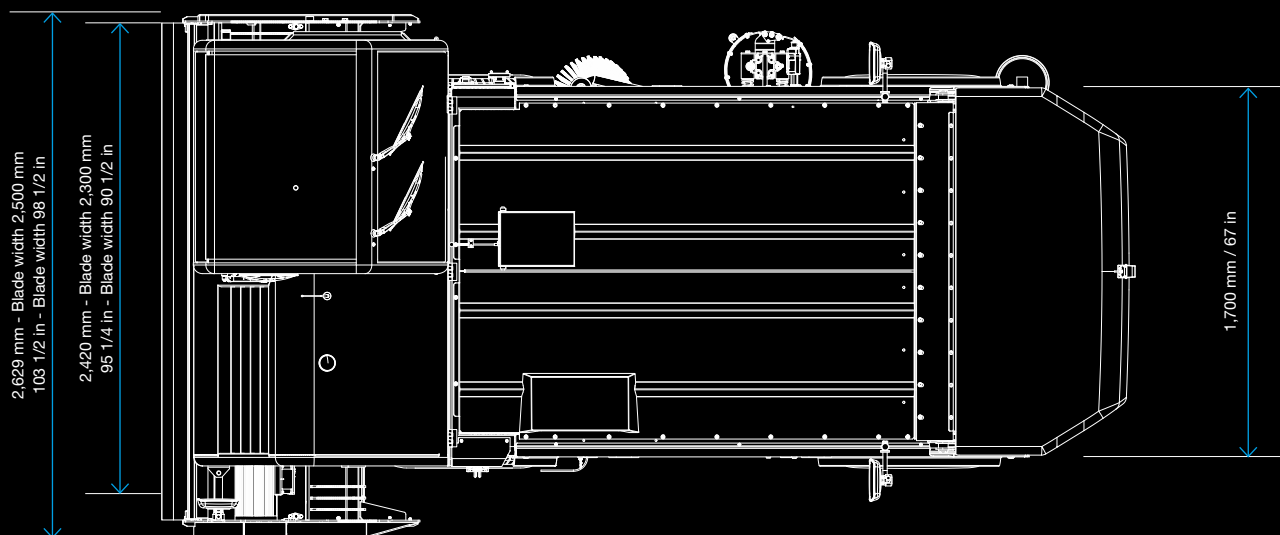
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Dimensions





Optionals



Wash system



Ice wash system
Multijet



Screw conveyor
wash system
vertical



Screw conveyor
wash system
horizontal



Snow bin
wash system



Wheel wash
system
co-steering

Dasher board processing



Edger made of
stainless steel

spring borne with
electric height adjustment

Water application



Towel support
standard



Towel lifter
automatic



ICEplus



ICEplus Flexi



Water sprayer

Overview & security



Side mirror
front left



Side mirror
front right



Heated mirrors



Front camera

Comfort



Cab heating



Driver's seat heating



Joystick



Radio



Acquastop valve



LED headlights



Tail lights



RGB underbody illumination

Personalization



Painting
1 color RAL



Wrapping

Service



Battery trolley



Spare wheel



Cross-key



Lifting jack



Assembly tool for
nozzles ICEplus



Kit diagnostic
cables

Attachments for Bavarian Curling



Groove harrow

Spare parts



Blade



Towel felt



Towel terry



Edger knives



Nozzle Iceplus S



Nozzle Iceplus M



Nozzle Iceplus L



Nozzle Iceplus X

STRENGTHS

WM technics - Excellence in design and quality. In-house manufactured machines. Easy maintenance. Quick access to spare parts. Your guarantee for the highest standards.

At WM technics, we strive for excellence at every stage of our work. Our machines, especially the evo², are the result of high-quality components and meticulous design that minimizes maintenance effort. Designed, manufactured, and assembled in our own facilities, we guarantee top quality and timely deliveries. From component to the finished product - every step is closely monitored to deliver to you **the ice resurfacing machines of the future.**

User friendliness



Through the use of top-quality components together with a well-planned design, maintenance work is extremely simple and is reduced to a minimum.

Quality guarantee



The WM Mammoth is a product which has been developed, built and assembled in house, from start to finish. Only by doing so can we guarantee top quality and punctual delivery times.

The right replacement part, every time



Order your spare parts easily and conveniently from our online portal: Our series number and digital image system enable you to find the part you need with just one click.

Series production



All WM technics vehicles are series-manufactured. We know exactly which parts have been used in each series run, and can deliver the correct spare parts to you at all times. At the same time, a number of optionals can be retrofitted with minimum effort and maximum precision, even years later.

Service and support



Our well-networked, international team of technicians undergo constant training and will be delighted to help you whenever you require assistance.

Quality consciousness



From the manufacture of individual parts right through to the final quality-control inspection: Every step of the process is carried out and monitored with the utmost of precision. Each and every member of our staff is well-trained in his specialist field, and carries out all tasks conscientiously. This is a great advantage for our customers, who can be sure of receiving a technologically sophisticated product which has been manufactured to the very highest of quality standards.

PRODUCTS

Dive into the world of WM technics:
Where cutting-edge design meets
top-notch quality. Here begins the
journey to top-tier ice resurfacing
machines and #perfectIce.

Pinguino

The Pinguino makes maintaining mobile ice rinks a cinch. Pairing efficiency with unmatched quality, it's a game-changer in the realm of ice care. You'll consistently get predictable cleaning durations and just the right ice thickness, saving you time and workforce. What's the payoff? Glistening ice that'll charm every visitor, young and old.

A standout feature? The front seat placement for the driver. Whether seasoned in the ice world or just getting started, this seat offers an unparalleled view and top-tier comfort. Dive into a new era of ice maintenance with the Pinguino!



Discover a new dimension in ice maintenance with the Pinguino!

	Snow tank volume	1 m³ / compacted 1.25 m³ 35.3 ft³ / compacted 44.2 ft³
	Water tank volume	340 l 90 gal
	Blade width	1,400 mm 55 1/8 in
	Fields of operation	Mobile / Event

Compact

The name “Compact” says it all - and it’s the prime choice for larger mobile ice rinks. Thanks to its optimal dimensions and the volume of its water and snow tanks, it’s not just efficient but also intuitive and user-friendly. Whether you’re old hands in the ice game or just getting started, its easy operation and superior driving comfort will win you over.

The cherry on top? The Compact delivers ice quality that’ll captivate not just you but your clients, too. For ice masters, what’s better than delighted guests enjoying flawless ice? With the Compact, you’ve got the perfect ally for dazzling ice rink experiences.



Compact

The **Compact** is your ideal ally for outstanding results on the ice rink.

	Snow tank volume	1.8 m³ / compacted 2.25 m³ 63.6 ft³ / compacted 79.5 ft³
	Water tank volume	600 l 158 gal
	Blade width	1,700 mm 66 7/8 in
	Fields of operation	Mobile / Event

Shira

Prepare to be dazzled by the Shira! Not only does she operate electrically and whisper-quiet, but she also impresses with her incredibly user-friendly controls. Ice maintenance becomes a breeze with keyboard commands, a clear info display, and an automatic mode. Need to get hands-on? No worries! Quick access to the mechanics means maintenance and service

are done in a flash, saving you a pretty penny.

The icing on the cake: The ice quality is simply top-notch, right down to the last detail. And, even with its traditional blade exchange system, she boasts unbeatable value for money. Discover the Shira – your new star on ice!



Introducing **Shira**, your new shining ice star.

	Snow tank volume	3 m³ / compacted 3.6 m³ 106 ft³ / compacted 130.7 ft³
	Water tank volume	1,000 l / 1,350 l / 1,750 l 264 gal / 356 gal / 475 gal
	Blade width	2,100 mm / 2,300 mm 82 5/8 in / 90 1/2 in
	Fields of operation	Pro / Heavy duty

Mammoth

Mammoth is the powerful ice resurfacer designed for stadiums and ice surfaces up to 1,800 m².

Powerful, maintenance-free AC motors, large snow and water tanks, and a quick blade change system designed for whatever challenge may come. Thanks to its compact design, the

machine achieves a minimal turning radius, allowing for fast, efficient, and non-deviating ice surface treatment.

Maximum stability? You bet! The sprung edger is mounted directly on the WM Mammoth, ensuring maximum stability and the best working performance.



High-performing, accurate, and automated: Mammoth. Unprecedented resurfacing for unprecedented ice quality.

	Snow tank volume	3 m³ / compacted 3.6 m³ 106 ft³ / compacted 130.7 ft³
	Water tank volume	1,000 l / 1,350 l / 1,750 l + 264 gal / 356 gal / 475 gal Snow tank-water tank connection 2,000 l / 2,350 l / 2,750 l 528 gal / 620 gal / 739 gal
	Blade width	2,100 mm / 2,300 mm / 2,500 mm Blade change < 60 seconds 82 5/8 in / 90 1/2 in / 98 1/2 in
	Fields of operation	Pro / Heavy duty

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