







Snow tank volume 3 m³ / compacted 3.7 m³



Water tank volume
1,000 l or 1,350 l
+ Snow tank-water tank connection
2,000 l or 2,350 l



Blade width 2,100 mm or 2,300 mm



Fields of operations
Pro / Heavy





STADIUM EFFICIENCY

Powerful drive with electric engines together with a large snow and water tank capacity: The WM Shira has been purpose-designed for resurfacing stadiums. It boasts in immensely impressive price/quality ratio and, on request, can be fitted with countless extras. WM Shira. The perfect partner for professional resurfacing of ice surfaces of up to 1,800 m².



WM Shira Iceforum Latsch

"The WM Shira has everything we need to resurface the ice in our stadium to perfection. We are absolutely delighted with it!"



Louis Eberle

Ice expert at the Ice Sports Centre Oberstdorf / Germany





EVERYTHING UNDER CONTROL IN THE DRIVER'S CAB______

The WM Shira is a guarantee of outstanding comfort for the driver and boasts a full, unobstructed view whether you're driving cabin-free or with all-round glazing. Three steps provide easy entry to the vehicle. All important information is clearly visible at a glance on the high-definition colour display, and all the main functions are keyboard-controlled. At a simple press of a button the automatic mode begins all work operations in a pre-defined order.











INTEGRATED EDGER FOR END-TO-END RINK PERFECTION

The edger is fixed to the body of the WM Shira, guaranteeing you outstanding stability and performance. It can be operated easily and safely from the driver's seat. The innovative horizontal spring-loaded system with guide wheel ensures that the edger follows the contours of the rink to perfection, and planes the ice evenly, rapidly and cleanly. Edging and subsequent cleaning of the ice surface with the swivel brushes can be carried out in one simple step. The edgers are positioned between the axels and in front of the brush, to ensure 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.













FUN ALL THE WAY: THE PASSENGER'S SEAT

No other ice resurfacer has it - anybody who wants to see a specialist at work close-up can sit comfortably by the operator's side. The passenger's seat is also a wonderful marketing tool, as it gives the spectator the chance to see the rink from a new perspective during the break. A competition or raffle prize never fails to add an extra thrill to the game!

Olga catches a special ride to the ice #IIHFWorlds 2017







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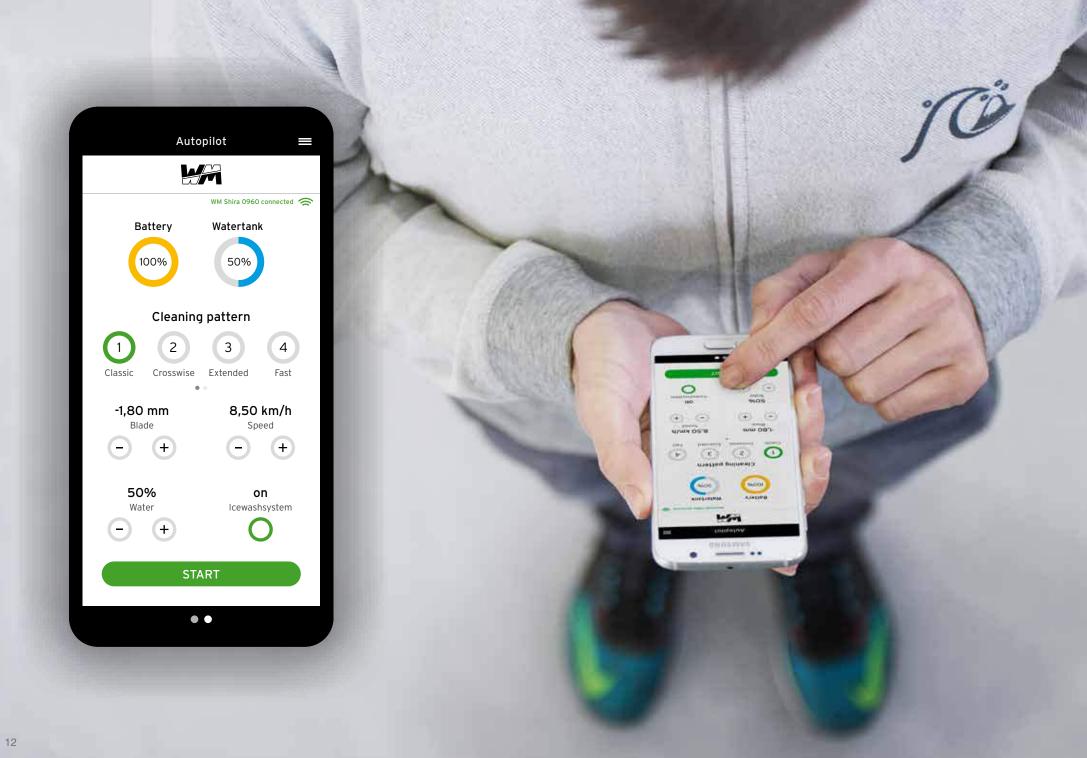
NEED MORE THAN 2,000 LITRES OF WATER? NO PROBLEM!

When you're building up ice depth or using the water sprayer, more water is a must. The WM Shira 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 2,000 litres of water. No more standing in cold water and tiresome tugging on hoses: All operations can be carried out from the comfort of the driver's cab - there's more than enough water to do the job.

Example: 1,350-litre water tank & 1,000-litre snow tank = 2,350 litres of water











THE FUTURE LIES IN AUTOMATION

The first step towards the future was that of the innovative integrated automatic mode, which activates all operations in a predefined order through the press of a button. With WM Shira autopilot, WM ice technics have now taken the next leap forward, and automisation in the work place has reached a new peak. The self-driving vehicle covers the whole ice rink on a predefined route, and is capable of completely resurfacing the ice rink without a driver. WM Shira Autopilot is controlled by means of an app which displays all important parameters, while the redundant safety system guarantees that the vehicle can be stopped at all times when on autopilot mode. The best assistant an ice-master could ever want!



BATTERY, CHARGER AND MAINTENANCE







The robust, sealed lead-acid battery with tubular plates and the long-life Fronius charging system are a top-quality combo. The charging system is highly intelligent, and automatically recognises the age and state of charge of the battery, and charges exceptionally rapidly, which also means energy savings. Water is pumped rapidly into the battery via the centralised filling system.

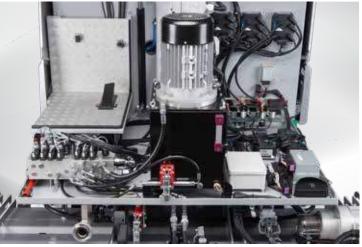
REDUCED ENERGY COSTS ■

LONG-LIFE BATTERIES ■

EASY TO USE

MAINTENANCE







The entire engine technology is easily accessible just by lifting the cab. This means that mechanics can carry out their work quickly and cleanly, which in turn saves on time and service costs. Our team also use remote monitoring to keep an eye on your vehicle monitor and rectify any faults which may occur.

COST EFFICIENT

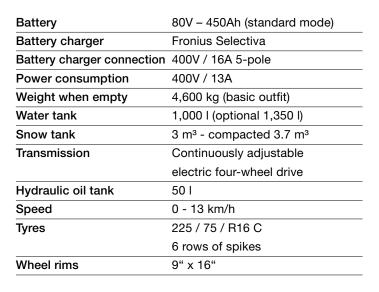
FREE AND EASY ACCESS

SKILLED REMOTE MAINTENANCE

ELECTRIC



FACTS & FIGURES





3-year Battery guarantee

INCLUDED IN DELIVERY

29 kW



Motor

Power rating

WM Shira



5 asynchronous motors

Type-tested vehicle



Fronius battery charger



Battery water filling system



Protective glasses



Blade in transport sheath



mounted blades

Grindstone



2 wiping cloths



2 rubber mats



Storz coupling C with nozzles ø 32, ø 40, ø 50



Fuse set



Set ABS fastening material







Operating instructions



1 set hexagonal socket screws



Tool to adjust and change blades



Key for water filter



Bodywork key



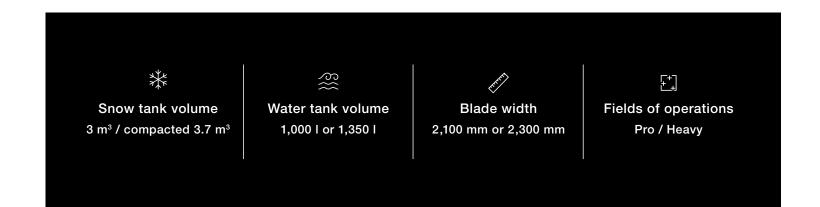
STANDARD EQUIPMENT

PLC control
5.7 inch colour display
Button for automatic modus: operations start
automatically in a fixed order
Function for automatic water filling system
with immobilizer (water stop valve as optional)
Acoustic signal for reverse drive, snow bin
cover operation, reverse of the screw conveyors
and blade exchange
Spring-suspended and height-adjustable
driver's seat with armrests
Spring suspended passenger seat
Easily accessible engine compartment (tiltable)
with cap support
High performance traction battery with tubular
plates cells
Maintenance-free asynchronous motors
Continuously adjustable electric four-wheel drive
Water tank made of PE
Coated snow bin
Snow tank-water tank connection (> 2,000 litres)
Hydraulic negative parking brake

Hydraulically driven and swivelling side brush
Board guide pulley
Side mirror, rear
Snow bin headlight, side headlight
Flashing warning light
System for water dosing in curves
Constant grinding pressure planing system
Battery charger Fronius Selectiva
Battery water filling system
2 blades
2 wiping clothes
Scope of delivery set

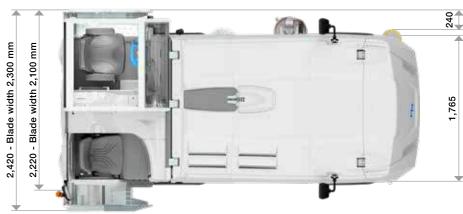


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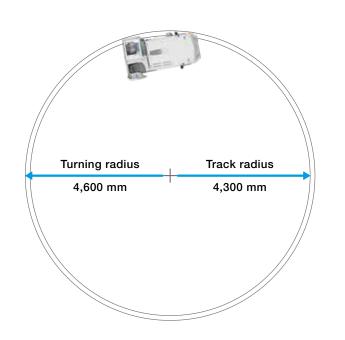


DIMENSIONS









OPTIONALS



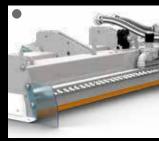
Edger electric height adjustment



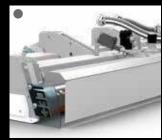
Proportional water metering



Ice wash system Multijet with suction ledge



ICEplus water spraying system



ICEplus + electrically powered cloth support



Water sprayer



Dynamic steered wheel wash system



Service brakes



Cabin with panoramic windows



Cab heating



Heated windscreen



Heated windscreen and right side window



Driver's seat heating



Radio



LED daytime running light

OPTIONALS



High-beam headlights with parking lights



Complete lighting system for compliance with road traffic regulations



Divided water tank 300 / 1,000 liter in stainless steel



Water tank 1,350 I in stainless steel



Water stop valve 1"1/4 for water filling system



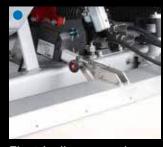
Snow bin wash system



Horizontally screw conveyor wash system



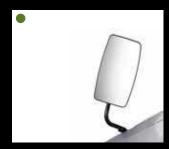
Vertically screw conveyor wash system



Electrically powered cloth support



Side mirror front right



Side mirror front left



Heated side-view mirrors



Acoustic distance warning system front



Front camera



Rear-view camera



WM Autopilot



Tool set



Lifting jack with bar 10t



Spare wheel 16" with cross-key



Battery trolley



Kit diagnostic cables



Sled tilting device



Optional Battery various capacities



Custom colour body paint, 1 RAL colour



Wrapping



RGB underbody illumination



Groove harrow
Curling rinks



Groove milling unit
Curling rinks

ATTACHMENTS

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 Shira 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.

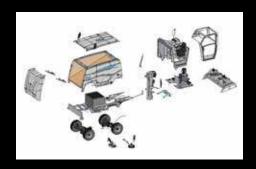


Detailed operating instructions

You can find all information on operation, maintenance and safety in the operating manual.

The right spare part at all times

Do you need a spare part?
We will deliver it to you immediately.



Service and support

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





Series production

All WM ice technics vehicles are seriesmanufactured. 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.

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.





















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Mobil / Event



Compact





Pro / Heavy

