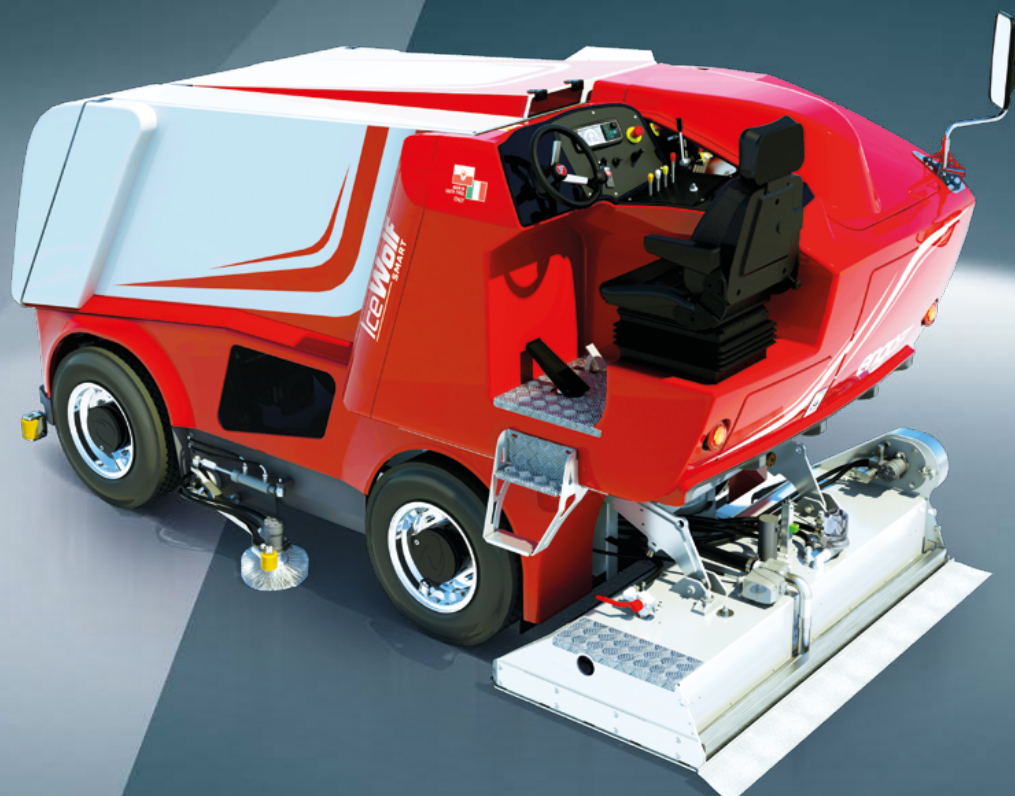


Technical data sheet

ELECTRIC
ICE RESURFACER

engo

ice arena equipment



IceWolf
SMART

SIMPLY SMART



Ice fields up to
1.800 m²



Blade width
2000 / 2.300 mm



Snow tank volume
3,0 m³ (compr. 3,6 m³)



Water tank volume
1.000 L

ENGLISH EDITION

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Technical data sheet

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IceWolf
SMART



KEY FACTS

Technical specifications

ICE FIELDS	up to 1.800 m ²
DIMENSIONS L X W X H *	4.060 x 2.150 x 2.200 mm
HEIGHT WITH SNOW TANK UP	2.900 mm
HEIGHT INCLUDING DRIVER'S CABIN	2.550 mm
BLADE WIDTH	2000 / 2.300 mm
TURNING RADIUS	4.000 mm
GROUND CLEARANCE	195 mm
TRACK WIDTH	1.530 mm
WHEELBASE	1.975 mm
WATER TANK VOLUME	1.000 L
SNOW TANK VOLUME	3,0 m ³ (compressed 3,6 m ³)
EMPTY / WEIGHT STANDARD EQUIPMENT	5.350 kg (without extras)
WEIGHT / LOADED	6.350 kg

BATTERY	Low-maintenance battery 80 V / 420 Ah & battery charger
MOTOR	4 asynchronous motor
DRIVE SYSTEM	Electric all-wheel drive
CONVOYERS ENGINE	Electric motor
SPEED	max. 13 km/h
PUMP PRESSURE OF WORKING UNITS	160 bar
HYDRAULIC OIL TANK	70 L
TIRES	225 x R16" (studded tires)
WHEEL RIMS	8,0 x 16"

* Length x width x height

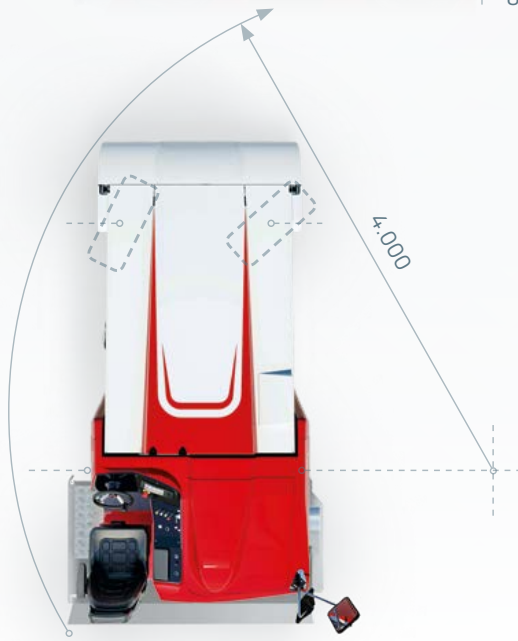
Technical data sheet

ELECTRIC ICE RESURFACER



KEY FACTS

Technical specifications



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STANDARD EQUIPMENT

SAFETY SYSTEMS

- Quick-blade change system, developed by ENGO in 1997
- Auger washout system, developed by ENGO in 2001
- Safety switch for snow tank and conditioner
- EMERGENCY/OFF switch
- Acoustic signal when reversing
- Acoustic signal when operating snow tank
- Acoustic signal when reversing auger
- Servo-assisted oil bath brakes on all 4 wheels
- Handbrake (negative brake)
- Tow hook

ELECTRICAL SYSTEMS AND DRIVE

- **DRIVE:** direct electromechanical all-wheel axle drive with studded tyres
- **HYDRAULICS:** direct electromechanical hydraulic pump drive
- **MOTORS / AUGER MOTORS:** Maintenance-free electric asynchronous motors

COCKPIT ENVIRONMENT

- Access aids in accordance with CE directives
- Suspended, adjustable driver's seat with armrest
- Foot pedals for acceleration and brake
- Steering wheel with power assistance
- Direction lever D/N/R
- 4.3-inch colour display with touch screen
- Easy-to-operate hydraulic levers for work functions
- CAN-BUS keypad for secondary functions
- USB interface
- Lockable storage compartment
- Side mirrors (heated as an option)

CONTROL SYSTEMS

- LITHIO version: SmartConnect remote maintenance system (WLAN) for 1 year
- Automatic maintenance display
- CAN-BUS system
- Ice boost system for augers
- Digital battery level indicator

- Digital display of the hydraulically adjustable cutting depth
- Digital water level indicator
- Sensor for water temperature

LIGHTING SYSTEMS

- 4 LED front headlights and 2 rear lights
- LED snow tank headlights
- LED rotating beacon

HYDRAULIC SYSTEMS

- Hydraulic cylinders for snow tank and conditioner
- Hydraulic blade depth adjustment
- Hydraulically driven side brush
- Hydraulic emergency hand pump

WATER SYSTEM

- Water filling system with automatic filling stop
- Manually adjustable water drain
- Automatic water level shut-off valve
- 2 wiping cloths

CONFIGURATION AND FILLING QUANTITY

- Steel snow tank with a capacity of 3.0 m³ (compressed 3.6 m³)
- Water tank in PE - HD with a capacity of 1,000 litres
- Powder-coated, hot-dip galvanized conditioner with width of 2,000 mm

ACCESSORIES INCLUDED

- Special tools for service and blade replacement
- 2 planer knives made of high-alloy steel with 45 - 60 operating hours
- 2 wiping cloths
- Various sets of spare parts
- Manual, including spare parts catalogue with USB stick (digital)

Technical data sheet

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BATTERY EQUIPMENT



LOW-MAINTENANCE BATTERIES AND CHARGERS

- Low-maintenance battery from 80 V / 420 Ah up to 80 V / 875 Ah
- Various chargers available according to customer requirements for charging time and charging curve

MAINTENANCE-FREE BATTERIES AND CHARGERS

- Maintenance-free battery from 80 V / 460 Ah up to 80 V / 875 Ah
- Various chargers available according to customer requirements for charging time and charging curve

OPTIONAL EQUIPMENT +

COCKPIT ENVIRONMENT

- Height-adjustable steering wheel
- Heated cab with color glazing, DAB radio and stereo system
- Driver 's seat with air suspension and seat heating
- Windscreen
- Front and/or rear view camera

CONTROL AND MEASUREMENT SYSTEMS

- Extension of the SmartConnect remote maintenance system for 1.5 or 10 years
- Parking sensors
- Integrated laser beam as driving aid

LIGHTING SYSTEMS

- LED work lights for side brushes
- Underbody lighting (RGB colours)

WORKING SYSTEMS

- Powder-coated, stainless steel conditioner with a planing width of 2,150 mm or 2,300 mm
- Scoring harrow for ice stock sport 2.000, 2.150 mm or 2.300mm with quick-release fasteners

WATER SYSTEMS

- Automatic, speed-dependent water management
- Snow and water tank connection
- IWS - Ice washing system without high-pressure
- WWS - Tire washing system without high-pressure
- TWS - Tank washing system without high-pressure
- Solid Ice spraying system

CONFIGURATION AND FILLING QUANTITIES

- Split water tank made of PE-HD with a volume of 1,000 litres (750/250) plus ON/OFF valve
- Stainless steel water tank with 1.100 litres or 1.200 litres
- Stainless steel snow tank with 3.6 m³

VEHICLE SYSTEM

- Studded spare wheel with rim
- Chrome rims

ACCESSORIES

- Toolbox with quality tools
- Jack



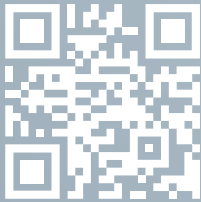
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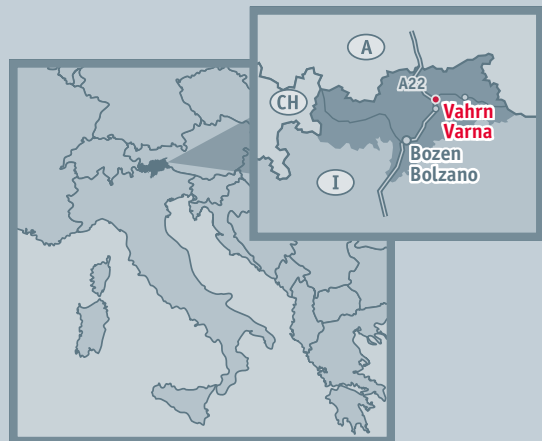
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ICE RESURFACER
DASHER BOARDS
ACCESSORIES

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smooth ice surfaces since 1979



CERTIFICATION



MEMBER



MEMBER OF THE TECHNOALPIN GROUP

