

Technical data sheet

LITHIO TECHNOLOGY
ICE RESURFACER

engo

ice arena equipment



IceTiger **LITHIO**

THE POWER PACKAGE



Ice fields up to
3.000 m²



Blade width
2.300 / 2500 mm



Snow tank volume
3,6 m³ (compr. 4,2 m³)



Water tank volume
1.100 L

ENGLISH EDITION

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KEY FACTS

Technical specifications

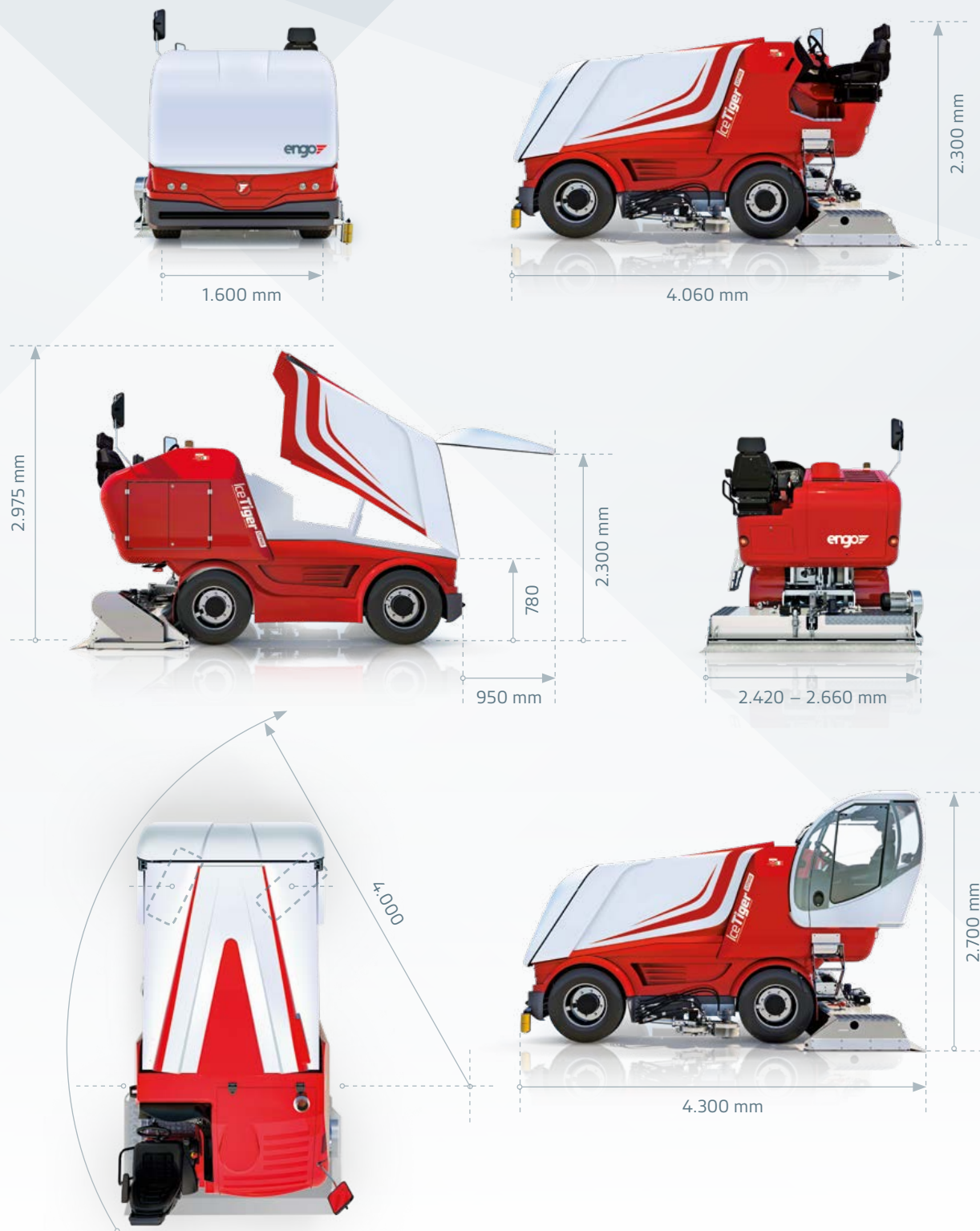
ICE FIELDS	up to 3.000 m ²
DIMENSIONS L X W X H *	4.060 x 2.420 x 2.300 mm
HEIGHT WITH SNOW TANK UP	2.975 mm
HEIGHT INCLUDING DRIVER'S CABIN	2.700 mm
BLADE WIDTH	2.300 mm – 2.500 mm
TURNING RADIUS	4.000 mm
GROUND CLEARANCE	195 mm
TRACK WIDTH	1.600 mm
WHEELBASE	1.975 mm
WATER TANK VOLUME	1.100 L
SNOW TANK VOLUME	3,6 m ³ (compressed 4,2 m ³)
EMPTY / WEIGHT STANDARD EQUIPMENT	3.988 kg (without extras)
WEIGHT / LOADED	4.098 kg

BATTERY	Battery / LITHIO technology 80 V / 240 Ah & battery charger
MOTOR	5 asynchronous motor
DRIVE SYSTEM	Electric all-wheel drive
CONVOYERS ENGINE	Electric motor
SPEED	13 km/h
PUMP PRESSURE OF WORKING UNITS	160 bar
HYDRAULIC OIL TANK	50 L
TIRES	245/75 x R 17,5" (studded tires)
WHEEL RIMS	6,5 x 17,5"

* Length x width x height

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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
- 10.4-inch colour display with touch screen
- Easy-to-operate joystick 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
- FULL AUTO system starts of all work functions
- Automatic maintenance display
- CAN-BUS system
- Electronic presetting of 2 cutting depths
- 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 daytime running 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
- Automatic, speed-dependent water management
- 2 wiping cloths

CONFIGURATION AND FILLING QUANTITY

- Powder coated steel snow tank with a capacity of 3.6 m³ (compressed 4.2 m³)
- Water tank in PE - HD with a capacity of 1,100 litres
- Powder-coated, hot-dip galvanized conditioner with width of 2,300 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)

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BATTERY EQUIPMENT



LITHIO

LITHIUM BATTERIES AND CHARGERS

- Battery with LITHIO technology 80 V / 240 Ah
- Additional Lithium Power Pack of 120 Ah each up to max. 600 Ah
- Charger with AUTOMOTIVE charging plug
- 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
- Heated side mirrors front, right and left
- Front and/or rear-view camera
- Side camera on the right-hand side

CONTROL AND MEASUREMENT SYSTEMS

- Extension of the SmartConnect remote maintenance system for 1.5 or 10 years
- Ice temperature sensor
- Ambient temperature sensor
- Humidity sensor
- Parking sensors
- Laser levelling system
- Integrated laser beam as driving aid

LIGHTING SYSTEMS

- LED side indicators front and rear
- LED strobe headlights
- LED work lights for side brushes/ tillers
- Underbody lighting (RGB colours)

WORKING SYSTEMS

- Hydraulic ice edger with electric height adjustment
- Hot galvanized and powder-coated, steel conditioner with a cutting width of 2.500 mm
- Scoring harrow for ice stock sport 2.000, 2.150 mm or 2.300mm with quick-release fasteners
- Electrically operated wiper cloth holder up/down

WATER SYSTEMS

- Snow and water tank connection
- Water fountain / only in combination with tank connection
- Package of IWS - WWS - TWS / high-pressure system
- Solid Ice spraying system

CONFIGURATION AND FILLING QUANTITIES

- Stainless steel water tank with 1.300 litres or 1.400 litres

VEHICLE SYSTEM

- Studded spare wheel with rim
- Chrome rims

ACCESSORIES

- Toolbox with quality tools
- Jack



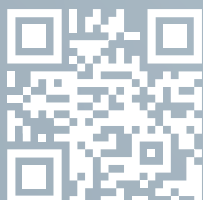
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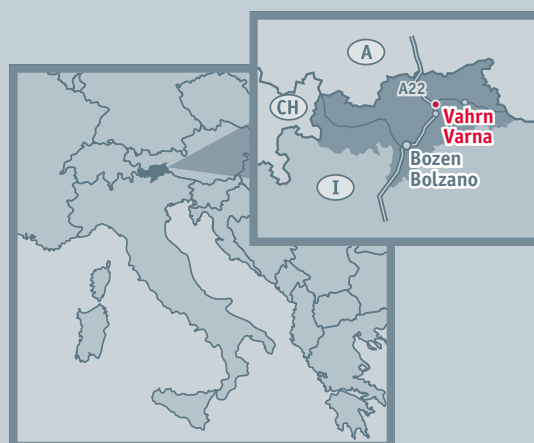
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**ICE RESURFACER
DASHER BOARDS
ACCESSORIES**

*Powerful technology for
smooth ice surfaces since 1979*



CERTIFICATION



MEMBER



MEMBER OF THE TECHNOALPIN GROUP

