

Technical data sheet

ELECTRIC
ICE RESURFACER

engo

ice arena equipment



IceLion

THE BIG ONE



Ice fields up to
7.000 m²



Blade width
2.500 mm



Snow tank volume
5,0 m³ (compr. 5,8 m³)



Water tank volume
1.800 L

ENGLISH EDITION

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KEY FACTS

Technical specifications

ICE FIELDS	up to 7.000 m ²
DIMENSIONS L X W X H *	4.300 x 2.660 x 2.350 mm
HEIGHT WITH SNOW TANK UP	3.150 mm
HEIGHT INCLUDING DRIVER'S CABIN	2.800 mm
BLADE WIDTH	2.500 mm
TURNING RADIUS	5.000 mm
GROUND CLEARANCE	195 mm
TRACK WIDTH	1.810 mm
WHEELBASE	2.170 mm
WATER TANK VOLUME	1.800 L
SNOW TANK VOLUME	5,0 m ³ (compressed 5,8 m ³)
EMPTY / WEIGHT STANDARD EQUIPMENT	7.200 kg (without extras)
WEIGHT / LOADED	9.000 kg

BATTERY	Low-maintenance battery 80 V / 875 Ah & battery charger
MOTOR	6 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	70 L
TIRES	245/75 x R 17,5" (studded tires)
WHEEL RIMS	6,5 x 17,5"

* Length x width x height without cabin

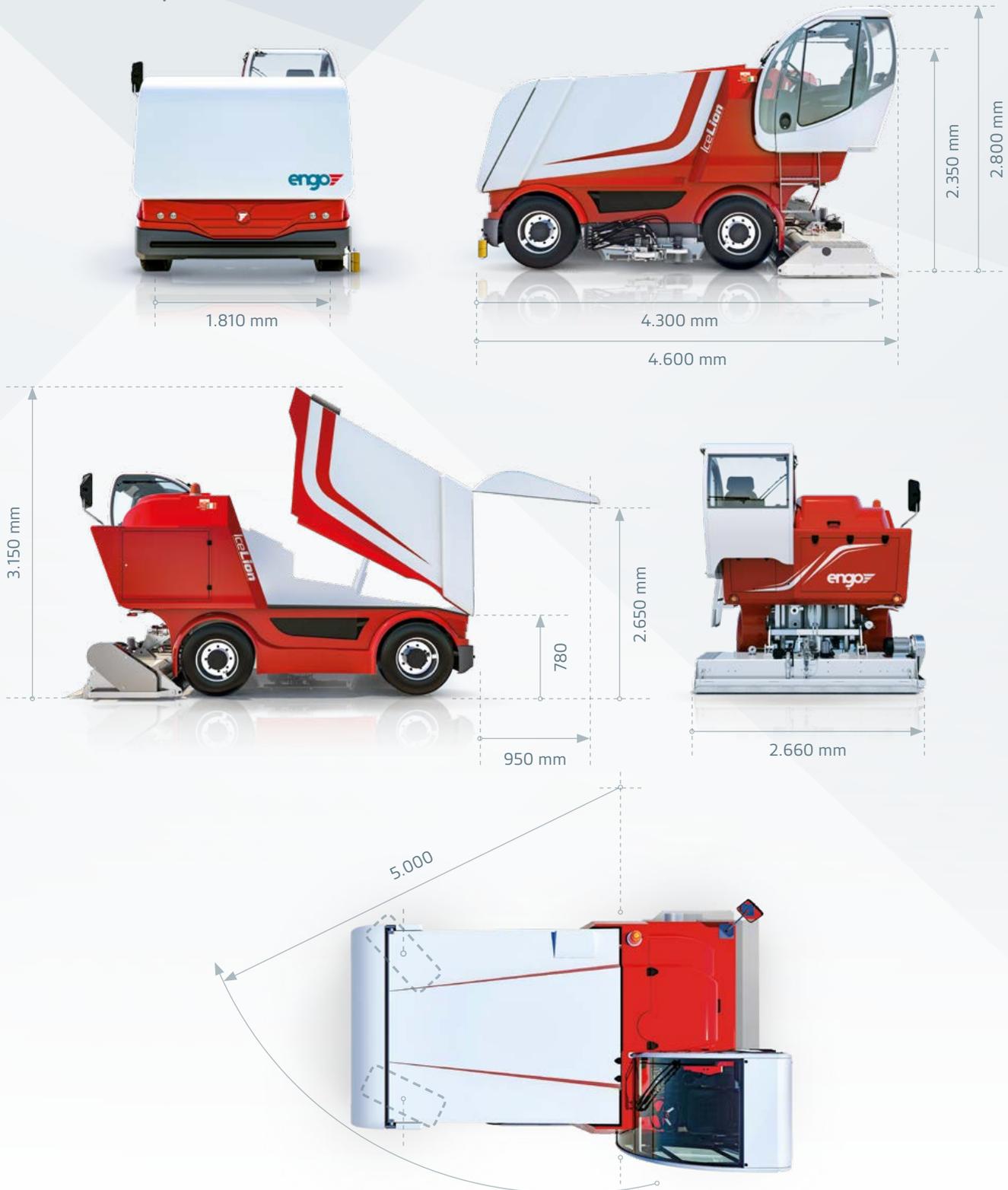
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STANDARD EQUIPMENT

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

- **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 5.0 m³ (compressed 5.8 m³)
- Water tank in PE - HD with a capacity of 1,800 litres
- Powder-coated, hot-dip galvanized conditioner with width of 2,500 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

LOW-MAINTENANCE BATTERIES AND CHARGERS

- Low-maintenance battery from 80 V / 875 Ah up to 80V / 1320 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 / 875 Ah up to 80 V / 1000 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
- 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
- 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 2.000 L capacity

VEHICLE SYSTEM

- Studded spare wheel with rim
- Chrome rims

ACCESSORIES

- Toolbox with quality tools
- Jack



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**ICE RESURFACER
 DASHER BOARDS
 ACCESSORIES**

*Powerful technology for
 smooth ice surfaces since 1979*



CERTIFICATION



MEMBER



MEMBER OF THE TECHNOALPIN GROUP

