

Technical data sheet

ELECTRIC
ICE RESURFACER

engo

ice arena equipment



IceTiger

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 | 5.700 kg (without extras) |
| WEIGHT / LOADED | 6.700 kg |

| | |
|-----------------------------------|---|
| BATTERY | Low-maintenance battery 80 V / 420 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

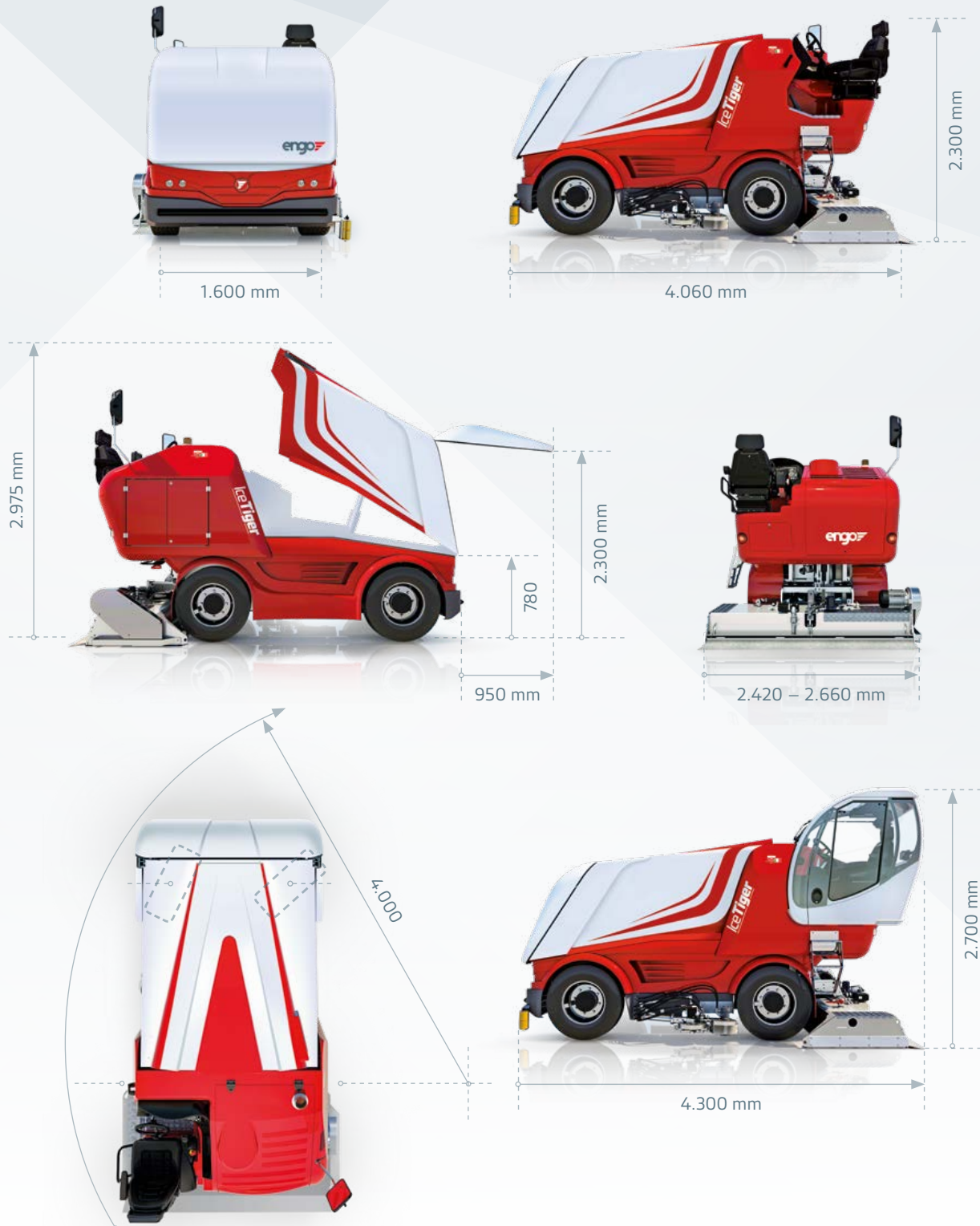
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KEY FACTS

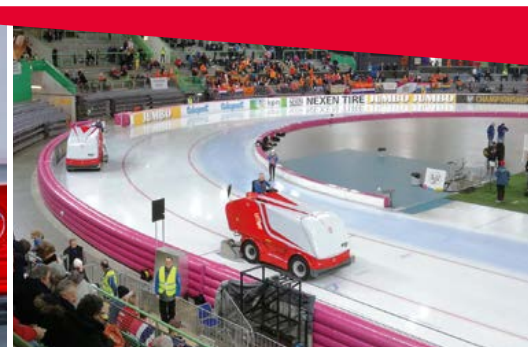
Technical specifications



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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
- 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 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

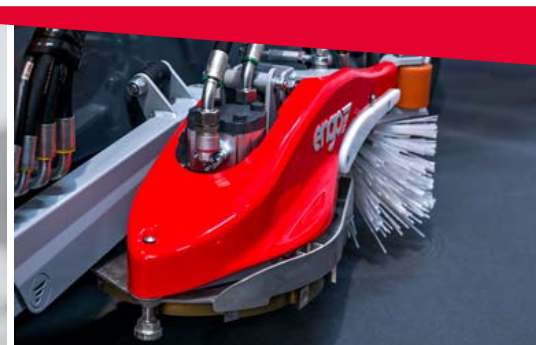
ACCESSORIES INCLUDED

- 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

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
- 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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Engo GmbH | S.r.l.

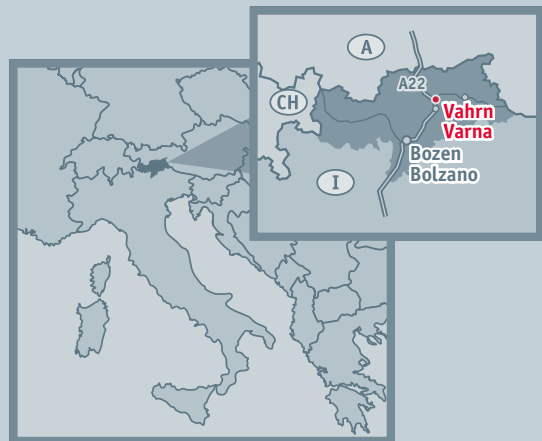
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CERTIFICATION



MEMBER



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