

Technical data sheet

ELECTRIC
ICE RESURFACER

engo

ice arena equipment



IcePuma

THE LITTLE ONE



Ice fields up to
1.200 m²



Blade width
1.700 mm



Snow tank volume
2,2 m³ (compr. 2,8 m³)



Water tank volume
500 L

ENGLISH EDITION

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IcePuma



KEY FACTS

Technical specifications

ICE FIELDS	up to 1.200 m ²
DIMENSIONS L X W X H *	3.500 x 1.830 x 1.900 mm
HEIGHT WITH SNOW TANK UP	2.800 mm
BLADE WIDTH	1.700 mm
TURNING RADIUS	3.700 mm
GROUND CLEARANCE	150 mm
TRACK WIDTH	1.280 mm
WHEELBASE	1.650 mm
WATER TANK VOLUME	500 L
SNOW TANK VOLUME	2,2 m ³ (compressed 2,8 m ³)
EMPTY / WEIGHT STANDARD EQUIPMENT	3.160 kg (without extras)
WEIGHT / LOADED	3.660 kg

BATTERY	Low-maintenance battery 80 V / 360 Ah & battery charger
MOTOR	2 asynchronous motor
DRIVE SYSTEM	Electric all-wheel drive
CONVOYERS ENGINE	Hydraulic
SPEED	max. 13 km/h
PUMP PRESSURE OF WORKING UNITS	160 bar
HYDRAULIC OIL TANK	90 L
TIRES	185 x R14" (studded tires)
WHEEL RIMS	6,0 x 14"

* Length x width x height

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1.280 mm



3.500 mm

1.900 mm



2.800 mm

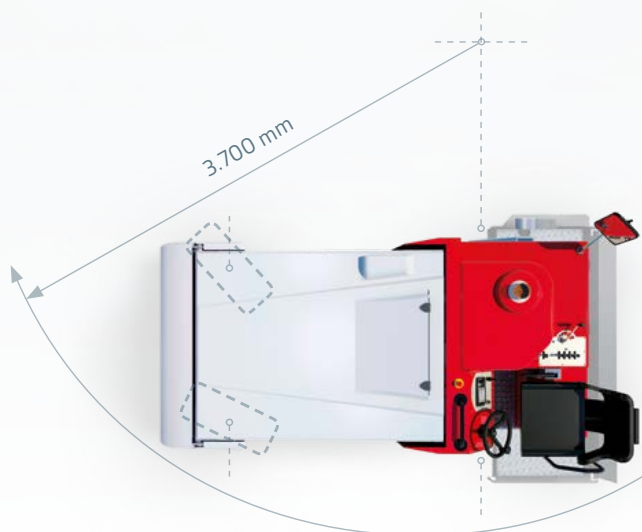
1100 mm

620

1.300 mm



1.830 mm



3.700 mm

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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
- Hydraulic 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
- USB interface
- 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

- 2 LED front headlights and 2 rear lights
- 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 2.2 m³ (compressed 2.8 m³)
- Water tank in PE - HD with a capacity of 500 litres
- Powder-coated, hot-dip galvanized conditioner with width of 1,700 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 of 80 V / 360 Ah
- Various chargers available according to customer requirements for charging time and charging curve

MAINTENANCE-FREE BATTERIES AND CHARGERS

- Maintenance-free battery of 80 V / 246 Ah
- Various chargers available according to customer requirements for charging time and charging curve

OPTIONAL EQUIPMENT

COCKPIT ENVIRONMENT

- 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

LIGHTING SYSTEMS

- LED work lights for side brushes/ tillers
- LED snow tank headlights

WORKING SYSTEMS

- Scoring harrow 1,700 mm with quick-release fasteners

WATER SYSTEMS

- Automatic, speed-dependent water management
- IWS - Ice washing system
- WWS - Tyre washing system

VEHICLE SYSTEM

- Studded spare wheel with rim
- Chrome rims

ACCESSORIES

- Toolbox with quality tools
- Jack



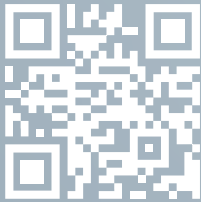
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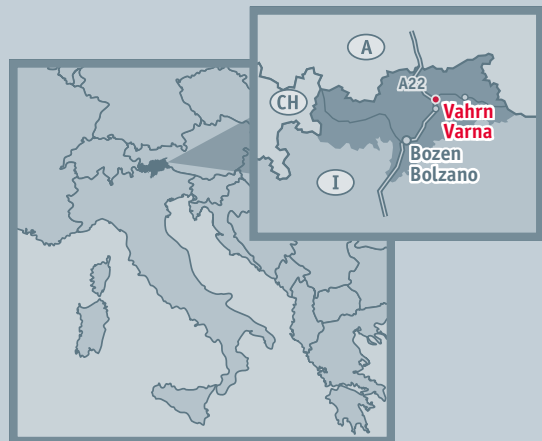
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ICE RESURFACER
DASHER BOARDS
ACCESSORIES

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smooth ice surfaces since 1979



CERTIFICATION



MEMBER



MEMBER OF THE TECHNOALPIN GROUP

