

Technical data sheet

LITHIO TECHNOLOGY
ICE RESURFACER

engo

ice arena equipment



AVAILABLE
2024/25

IcePanther **LITHIO**
PRO

THE NEXT GENERATION



Eisflächen bis zu
bis 2.500 m²



Hobelbreite
2.000 – 2.300 mm



Schneetank Volumen
3 m³ (compr. 3,8 m³)



Wassertank Volumen
1.500 L

IcePanther

Power and quality

AVAILABLE
2024/25



TECHNICAL DATA

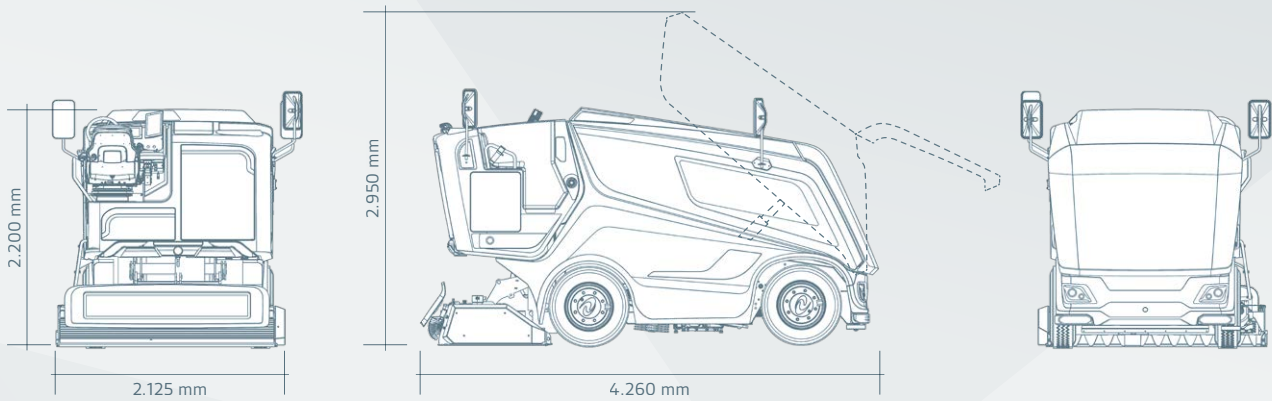
ICE FIELDS	up to 2.500 m ²
DIMENSIONS	4.260 x 2.125 x 2.200 mm*
SNOW TANK HEIGHT OPEN	2.950 mm
BLADE WIDTH	2.000 to 2.300 mm
TURNING RADIUS	4.000 mm
WATER TANK	Volume up to 1.500 L
SNOW TANK	Volume 3,0 m ³ (Compressed 3,8 m ³)
WEIGHT / STANDARD	3.900 kg
WEIGHT / LOADED	5.200 kg

CONVOYERS ENGINE	Electric
PUMP PRESSURE OF WORKING UNITS	160 bar
HYDRAULIC OIL TANK	70 L
DRIVE SYSTEM	Electric all-wheel drive
MOTORS	5 synchron motors
BATTERY	LITHIO Technology battery starting from 320 Ah up to 560 Ah

* Length x Width x Height

The next generation of ice resurfacing

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KEY FACTS AT A GLANCE

IcePanther

FRAME	<ul style="list-style-type: none"> • bolted modular principle • Coating type freely selectable 	BODY – RTM TECHNIC	<ul style="list-style-type: none"> • High-precision process for the manufacture of precision-fit body parts • process – AUTO MOTIVE • Consistent quality standard
DRIVE	<ul style="list-style-type: none"> • up to 870 NM per axle input • integrated negative parking brake • Single wheel brake hydraulically assisted in oil bath • Electronic control by potentiometer 	SNOW TANK	<ul style="list-style-type: none"> • welded solid steel construction • Cathaphoresis treated • OPTIONAL: Stainless steel • according to DIN 3,00m³, compressed 3,80 m³
ELECTRIC MOTORS – SMAC SERIES	<ul style="list-style-type: none"> • synchronous motor with 50 % lesser mass • 25 % more capability • higher efficiency up to 10 %, IP67 • lower noise level • total power: up to 47,7 Kw depends on the machine configuration 	WATER TANK DESIGNS	<ul style="list-style-type: none"> • Tank construction in PE: <ul style="list-style-type: none"> – Monotank up to 1400 liters – OPTIONAL: Double tank 1000/400 liters • Tank construction in stainless steel: <ul style="list-style-type: none"> – Monotank up to 1500 liters – OPTIONAL: Double tank 1100/400 liters • Tank connection between wash water tank/ice preparation water tank controllable via cockpit • Water tank/snow tank connection Capacity up to 3200 liters
LITHIUM BATTERY	<ul style="list-style-type: none"> • selectable 320/420 or 560 Ah, • auto motive, • own remote system, • charger NEMA 3 or IP 67 • charging gun 	MOTION OPTIONAL	<ul style="list-style-type: none"> • Digital animated LED advertising display on the snow tank sides and on the sledge
HYDRAULICS	<ul style="list-style-type: none"> • Triple pump with variable speed 	SOME POSSIBLE OPTIONS	<ul style="list-style-type: none"> • Full Auto system start of working functions • joystick • 1 or 2 screens • manual/programmable water application and blade settings • snow tank lifting • different water tanks • different washing systems • Hydraulic Ice edger with electric height adjustment • Solid Ice system • LLS laser leveling system • ice thickness measurement • ice temperature • ambient temperature • humidity sensor • LED lighting package • front, rear and side camera • cabin and much more ...
COCKPIT	<p>Ergonomically designed driver's cockpit with adjustable steering column and adjustable armrest, screens in various sizes selectable, new intuitive joystick or toggle switch, various sensors, presets and full-auto control</p>		
BASIC MACHINE CONFIGURATION	<ul style="list-style-type: none"> • quick blade change system • auger wash out system • one screen • toggle switch • water and knife manual • board brush 		
SENSORS OPTIONAL	<ul style="list-style-type: none"> • LLS laser leveling system • ice thickness measurement • ice temperature • ambient temperature • humidity sensor 		
DRIVER'S AND PASSENGER SEAT	<ul style="list-style-type: none"> • vertically and horizontal adjustable driver's seat with safety system • Passenger seat on the opposite of driver's area with safety system 		

The constructor reserved the right to make any technical alterations he may consider necessary
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YEARS OF
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