

ENGO-ICE.COM

ango



2022 PRODUCT 2023 GUIDE

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Ice**Puma**

WEIGHT EMPTY/FULL 3.160 kg/3.500 kg
WHEELS 185/80/R14
SPEED 0-13 kph
MOTOR 2 asynchronous electric motors
BATTERY 80V 360Ah low-maintenance
(incl. battery charger)



Blade width:

1.700 mm



Snow tank volume:

2,2 m3 (kompr. 2,8 m3)



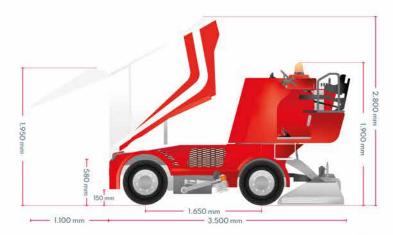
Water tank volume:

5001



Field size:

1.200 m²





Ice Wolf

WEIGHT EMPTY/FULL 5.350 kg/6.350 kg
WHEELS 225/75/R16
SPEED 0-13 kph
MOTOR 5 asynchronous electric motors
BATTERY 80V 875Ah low-maintenance
(incl. battery charger)



Blade width:

2.000 mm



Snow tank volume:

3,0 m³ (kompr. 3,6 m³)



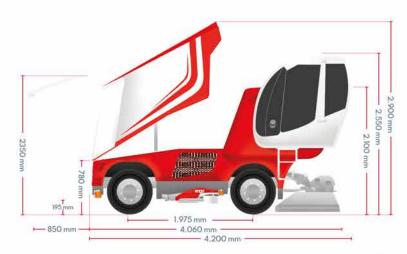
Water tank volume:

1.0001



Field size:

1.800 m²





lce Tiger

WEIGHT EMPTY/FULL 5.700 kg/6.800 kg
WHEELS 245/70/R17,5
SPEED 0-13 kph
MOTOR 5 asynchronous electric motors
BATTERY 80V 875Ah low-maintenance



Blade width:

2.300 mm

(incl. battery charger)



Snow tank volume:

3,6 m3 (kompr. 4,2 m3)



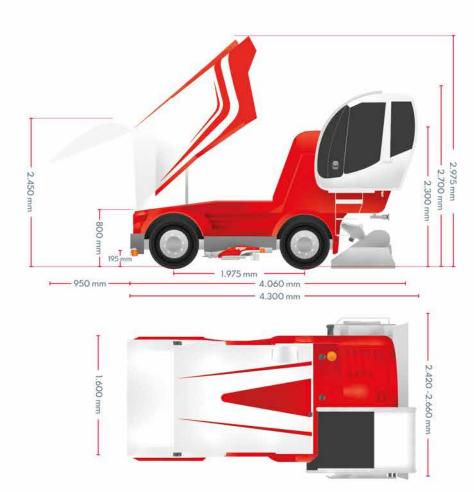
Water tank volume:

1.1001



Field size:

3.000 m²





WEIGHT EMPTY/FULL $7.200 \, kg/9.000 \, kg$ WHEELS 245/70/R17.5

SPEED 0-13 kph

MOTOR 5 asynchronous electric motors **BATTERY** 80V 1000Ah low-maintenance (incl. battery charger)



Blade width:

2.500 mm



Snow tank volume:





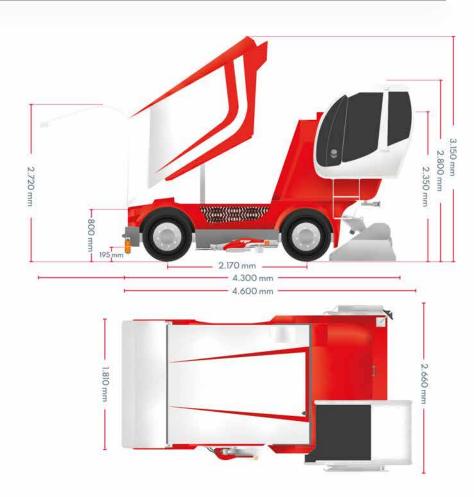
Water tank volume:

1.8001



Field size:

7.000 m³



LITHIO



ELECTRIFY THE ICE

With the innovative and modular design of our new Lithio series batteries we were able to boost our energy efficiency.

This boost reduces costs and improves ice quality even further at all times. With inbetween charging and incredible range our machines offer a drastic cost reduction for any facility that seeks to improve their operations.

From our **IcePuma** or **IceLion**, all of our machines can be fitted with this new technology and through modular design it can be adapted to your needs of range and weight.







ALWAYS UP TO DATE

With **SmartConnect** you have everything under control. Check on battery condition, blade position or water level. With **SmartConnect** you can check on your machine via smartphone or computer at any moment and place.

Create a driving history or use the GPS feature to check on the machine position. It also enables remote error diagnosis.

All the data can be gathered in one application to facilitate easier use of your Engo machine and enable you to focus on making the best ice possible. Work more efficiently and focused with this amazing yet simple feature.



















SMALL & PRECISE

The small, electrically-operated and very handy ice edger is ideally suited for precision work at the edges of the ice field along the dasher board.

EQUIPMENT

- HEIGHT ADJUSTABLE HANDLE
- 4 WORK AREA MINI HEADLIGHTS
- ENGINE BRAKE
- POLYURETHANE TRANSPORT WHEELS
- HANDLE FOR ADJUSTING CUTTING DEPTH
- ADJUSTABLE GUIDE OF THE SAFETY DISTANCE
- BATTERY CHARGER 24V/220V
- 2 IGNITION KEYS
- EMERGENCY STOP
- TOOL SET
- ON AND OFF BUTTON



UNCTIONALITY



WEIGHT EMPTY/FULL (standard) 3.160 kg/3.500 kg
WEIGHT EMPTY/FULL (LITHIO) 1.448 kg/1.948 kg
WHEEL SIZE 185/80/R14

SPEED O-13 kph

MOTOR 2 asynchronous electric motors BATTERY 80V 360Ah low maintenance (incl. battery charger)

STATISTICS.

Blade width:

1.700 mm



Snow tank volume:

2,2 m3 (compr. 2,8 m3)

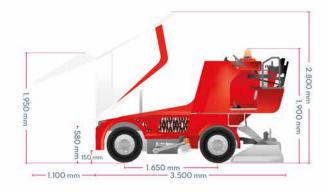


Water tank volume:

5001

EFFICIENT & AGILE

The IcePuma is the smallest ice resurfacing machine of the Engo product range. Thanks to its compact size and tight turning radius, it is particularly easy to steer. Because of its low weight and electric motor, it is the ideal machine for small community ice rinks and rinks in shopping malls and similar small enclosed spaces.





FUNCTIONALITY



BASE EQUIPMENT

- 4,3" COLOUR DISPLAY WITH TOUCHSCREEN
- DIGITAL INDICATOR FOR THE HYDRAULICALLY ADJUSTABLE CUTTING DEPTH
- CAN-BUS SYSTEM WITH SPS CONTROLLING
- USB-INTERFACE
- AUTOMATIC MAINTENANCE INDICATOR
- DIGITAL WATER LEVEL INDICATOR
- ADJUSTABLE DRIVER'S SEAT WITH SUSPENSION AND ARMREST
- HYDRAULIC LEVER CONTROLS FOR WORK FUNCTIONS
- MANUALLY ADJUSTABLE WATERFLOW - HYDRAULIC EMERGENCY HAND PUMP
- SAFETY SWITCH FOR SNOW TANK AND CONDITIONER
- HYDRAULICALLY POWERED SIDE BRUSH
- AUTOMATIC WATER FILL AND STOP
- STEEL SNOW TANK

- SIDE MIRRORS

- TOW HOOK
- LED ROTATING BEACON LIGHT
- 2 LED HEADLIGHTS AND 2 REAR LIGHTS
- HYDRAULIC BRAKE
- POWDER COATED STAINLESS CONDITIONER
- 2 BLADES FROM HIGH ALLOY STEEL (45-60 WORK HOURS)
- 2 WIPING CLOTH
- FAST BLADE CHANGE SYSTEM
- AUGER WASHOUT SYSTEM
- ICE BOOST SNOW BREAKER FOR AUGERS





 $\label{eq:weight empty/full (standard)} \begin{tabular}{ll} 5.350 & kg/6.350 & kg \\ \begin{tabular}{ll} \textbf{WEIGHT EMPTY/FULL (LITHIO)} & 3.638 & kg/4.638 & kg \\ \end{tabular}$

WHEEL SIZE 225/75/R16

SPEED 0-13 kph

MOTOR 5 asynchrous electric motor

BATTERY 80V 875Ah low maintenance

(incl. battery charger)

.....

Blade width:

2.000 mm



Snow tank volume:

3,0 m3 (compr. 3,6 m3)

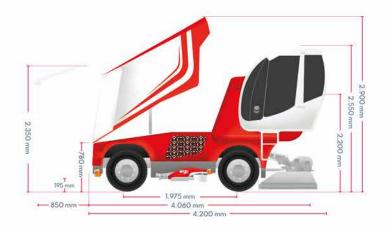


Water tank volume:

1.0001

THE ALLROUNDER

The IceWolf is available in two different editions, characterized by their different levels of operation comfort, scale of equipment and level of electricity.





BASE EQUIPMENT

- COLOUR DISPLAY WITH TOUCHSCREEN

- DIGITAL INDICATOR OF THE HYDRAULICALLY ADJUSTABLE CUTTING DEPTH
- CAN-BUS SYSTEM WITH SPS CONTROLLING
- USB-INTERFACING
- AUTOMATIC MAINTENANCE INDICATOR
- DIGITAL WATER LEVEL INDICATOR
- HYDRAULIC LEVER CONTROLS FOR WORK FUNCTIONS
- ADJUSTABLE DRIVER'S SEAT WITH SUSPENSION AND ARMREST
- SIDE MIRRORS
- TOW HOOK
- LED ROTATING BEACON LIGHT
- 4 LED HEADLIGHTS AND 2 REARLIGHTS
- LED SNOW TANK LIGHT
- SERVO ASSISTED UNIT FOR OIL BATH BRAKE
- POWDERCOATED STAINLESS CONDITIONER
- 2 BLADES OF HIGH ALLOY STEEL (45-60 WORKING HOURS)
- 2 WIPING CLOTHS
- FAST BLADE CHANGE SYSTEM
- AUGER WASH SYSTEM
- ICE BOOST SNOW BREAKER FOR AUGERS

ECHANICAL

- MANUALLY ADJUSTABLE WATERFLOW
- HYDRAULIC SAFETY HAND PUMP
- SAFETY SWITCH FOR CONDITIONER AND SNOW TANK
- HYDRAULICALLY POWERED SIDE BRUSH
- AUTOMATIC WATER FILL AND STOP
- STEEL SNOW TANK



FUNCTIONALITY

SIMPLY SMART

The simple solution for simple situations. Our IceWolf Smart makes sure that you have the best ice quality that you're used to from an Engo machine without needing extensive training or functions that you won't be using. This is our best value proposition yet.



- **Ø** EASY USE
- **SMART FUNCTIONS**
- **TRIED AND TRUE DESIGN**
- **⋘** RELIABLE
- ANALOG USER INTERFACE



A CLASSIC

The versatile and user-friendly ice resurfacer Ice-Wolf CLASSIC is your powerful partner for all kinds of application areas. It sets standards in terms of high-quality, efficient ice resurfacing. The basics are all there for you to enjoy.

- **Ø** BEST VALUE
- **HIGHLY CONFIGURABLE**
- **⋖** BEST FOR MOST USE CASES
- **⋘** RELIABLE
- ANALOG USER INTERFACE













SMART: 4,3" Touch Display

CLASSIC: 7" Touch Display

PRO: 10,4" Touch Display

Ice Wolf



FOR PROS

The IceWolf PRO has it all – power, precision, reliability, functionality and comfort. The top-class model of the two IceWolf versions, adds the convenient extra to the most popular ice resurfacing machine. In addition to power and efficiency, the comfort plays the key role.

- **⋖** ADAPTED TO EVERY SITUATION
- **MODERN & EFFICIENT**
- *▼* FUNCTION WITHOUT COMPROMISE
- **⋘** COMFORTABLE
- *▼* TECHNOLOGICALLY ADVANCED



WEIGHT EMPTY/FULL (standard) 5.700 kg/6.800 kg WEIGHT EMPTY/FULL (LITHIO) 3.988 kg/4.098 kg

WHEEL SIZE 245/75/R17,5

SPEED 0-13 kph

MOTOR 5 ansynchrous electric motor BATTERY 80V 875Ah low maintenance

(incl. battery charger)

имии

Blade width:



Snow tank volume:

3,6 m³ (compr. 4,2 m³)

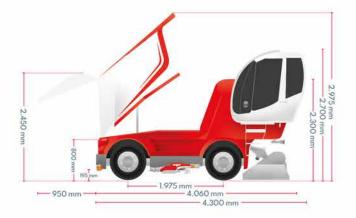


Water tank volume:

≈ 1.100 |

THE POWERHOUSE

Thanks to its big capacities, it is the ideal ice resurfacer to create a perfect ice surface in a few minutes – even for big speed ice-skating ovals. In addition to its extraordinary power, the IceTiger scores with its ergonomically designed driver cockpit with an easily reachable proportional joystick. Ideal for ice rinks up to 3.000 m³.





BASE EQUIPMENT

- 10,4" COLOUR DISPLAY WITH TOUCHSCREEN
- DIGITAL INDICATOR OF THE HYDRAULICALLY ADJUSTABLE CUTTING DEPTH
- CAN-BUS SYSTEM WITH SPS CONTROLLING
- USB-INTERFACE
- AUTOMATIC MAINTENANCE INDICATOR
- DIGITAL WATER LEVEL INDICATOR
- ADJUSTABLE DRIVER'S SEAT WITH SUSPENSION AND ARMREST
- PROPORTIONAL JOYSTICK FOR WORK FUNCTIONS
- SIDE MIRRORS
- TOW HOOK
- LED-ROTATING BEACON LIGHT
- 4 LED HEADLIGHTS AND 2 REARLIGHTS
- LED SNOW TANK LIGHT
- SERVO ASSISTED UNIT FOR OIL BATH BRAKE
- POWDERCOATED STAINLESS CONDITIONER
- 2 BLADE OF HIGH ALLOY STEEL (45-60 WORKING HOURS)
- 2 WIPING CLOTHS
- FAST BLADE CHANGE SYSTEM
- AUGER WASH SYSTEM
- ICE BOOST SNOW BREAKER FOR AUGERS
- 2 ELECTRICALLY PRESET CUTTING DEPTHS
- FULL AUTO SYSTEM START

ECHANICAL

- MANUALLY ADJUSTABLE WATERFLOW
- HYDRAULIC SAFETY HAND PUMP
- SAFETY SWITCH FOR CONDITIONER
 AND SNOW TANK
 - HYDRAULICALLY POWERED SIDE BRUSH
 - AUTOMATIC WATER FILL AND STOP
- STEEL SNOW TANK







WEIGHT EMPTY/FULL (standard) 7.200 kg/9.000 kg WEIGHT EMPTY/FULL (LITHIO) 5.900 kg/7.000 kg WHEEL SIZE 245/75/R17,5

SPEED 0-13 kph

MOTOR 5 asynchrous electric motor BATTERY 80V 1000Ah low maintenance

(incl. battery charger)

Blade width:

2,500 mm



Snow tank volume:

5 m3 (compr. 5,8 m3)

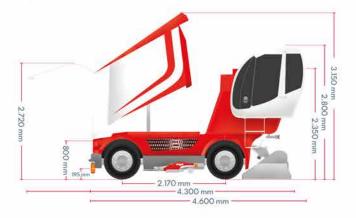


Water tank volume:

1.8001

KING SIZE

With its extraordinary capacity of 5 m³ of snow and up to 2,000 liters of water, the IceLion is the ideal machine for ice fields with a surface up to 7,000 m² such as ice speed skating rinks or bandy ice fields. The IceLion conquers even the largest ice surfaces thanks to its powerful batteries and a blade width of 2,500 mm.





BASE EQUIPMENT

- 10,4" COLOUR DISPLAY WITH TOUCHSCREEN
- DIGITAL INDICATOR OF THE HYDRAULICALLY ADJUSTABLE CUTTING DEPTH
- CAN-BUS SYSTEM WITH SPS CONTROLLING
- USB-INTERFACE
- AUTOMATIC MAINTENANCE INDICATOR
- DIGITAL WATER LEVEL INDICATOR
- ADJUSTABLE DRIVER'S SEAT WITH SUSPENSION AND ARMREST
- PROPORTIONAL JOYSTICK FOR WORK FUNCTIONS
- SIDEMIRRORS
- TOW HOOK
- LED ROTATING BEACON LIGHT
- 4 LED HEADLIGHTS AND 2 REAR LIGHTS
- LED SNOW TANK LIGHT
- SERVO ASSISTED UNIT FOR OIL BATH BRAKE
- POWDERCOATED STAINLESS CONDITIONER
- 2 BLADES OF HIGH ALLOY STEEL (45-60 WORKING HOURS)
- 2 WIPING CLOTHS
- FAST BLADE CHANGE SYSTEM
- AUGER WASH SYSTEM
- ICE BOOST SNOW BREAKER FOR AUGERS
- 2 ELECTRICALLY PRESET CUTTING DEPTHS
- FULL AUTO-SYSTEMSTART

ECHANICAL

- MANUALLY ADJUSTABLE WATERFLOW
- HYDRAULIC SAFETY HANDPUMP
- SAFETY SWITCH FOR CONDITIONER
 AND SNOW TANK
- HYDRAULICALLY POWERED SIDE BRUSH
- AUTOMATIC WATER FILL AND STOP
- STEEL SNOW TANK



OPTIONALS



LIGHTS



LED DAYTIME DRIVING LIGHTS



LED-STROBE HEADLIGHTS



LED INDICATORS FRONT AND BACK



SIDE MOUNTED LED WORK LIGHT



UNDERBODY LED LIGHTING

BATTERIES



LOW MAINTENANCE BATTERY



MAINTENANCE FREE BATTERY



MODULAR LITHIUM-ION BATTERIES

COCKPIT



HEATED DRIVER CABIN WITH DAB+-RADIO, STEREO SOUND SYSTEM



HEATED DRIVER SEAT

SENSORS



SENSOR FOR WATER TEMPERATURE



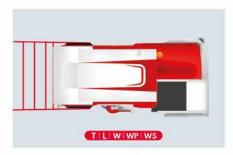
SENSOR FOR ICE/AIR HUMIDITY AND AMBIENT TEMPERATURE



AUTOM, SPEED DEPENDENT PRO-PORTIONAL WATER MANAGEMENT



LASER LEVELLING SYSTEM



LASER LANE INDICATION



PARKING SENSORS

TANKS AND SPRAY



PE-HD AND PPC WATER TANKS*



STAINLESS STEEL WATERTANKS **



SOLID-ICE WATER SPRAY SYSTEM



WATER FOUNTAIN FLOOD SYSTEM ONLY WITH WATER-SNOWTANK CONNECTION



IWS-WWS-TWS SYSTEMS



CONDITIONER AND BLADE



POWDER COATED CONDITIONER WITH VARIOUS WIDTHS *



STAINLESS STEEL CONDITIONER WITH VARIOUS WIDTHS *



HEIGHT ADJUSTABLE SIDE EDGER



STAINLESS STEEL BLADE WITH VARIOUS WIDTHS **

* Available in 1.830 mm, 2.150 mm, 2.420 mm, 2.660 mm

* Available in 1.700 mm, 2.000 mm, 2.150 mm, 2.300 mm, 2.500 mm

EXTRAS



GROOVE HARROW



TOOLBOX + CAR JACK



SPARE WHEEL WITH RIM



FRONT & REAR CAMERA



REMOTE DIAGNOSTIC SYSTEM SMARTCONNECT (1-10 YEARS)

CUSTOMIZATIONS

RAL BASE COLOR SAMPLES*

VISIT WWW.ENGO-ICE.COM/ICE-RESURFACING-MACHINES/COLOR-CONFIGURATOR



ENGO RED



DARK RED



ORANGE



YELLOV



LIGHT GREEN



GREEN



BLACK



PURPLE



DEEP BLUE



LIGHT BLUE



ENGO GREY



WHITE

MACHINE WRAP EXAMPLES*











Colors depicted in the shown images can differ from reality.

TECHNOLOGY





FAST BLADE CHANGE SYSTEM

Designed to change the blade in a quick safe and easy way:

- · Based on a mechanical lever mechanism
- No need to remove any screws
- It requires 2 minutes and only one person
- · No need to touch the blade directly
- · Proven for over 20 years and constantly improved
- · Increases safety and reduces the risk of injuries

The standard equipment includes all tools required for this operation.



SOLID ICE

This high-end water spraying system for an extra fast and efficient water application applies the water through nozzles instead of the traditional wiping cloth. Up to 44 nozzles convert water into fine droplets.



IWS - ICE WASH SYSTEM

The IWS cleanes the scores on the ice precisely and removes traces of snow. The washing water is applied to the ice through a pressure pump and via a spray bar with nozzles. The absorbed dirty water is filtered and pumped into the snow tank.



WWS - WHEEL WASH SYSTEM

The WWS is used to automatically clean the tires. It is particularly useful before the machine goes onto the ice, especially if it has been on any asphalt. The water used for washing is sprayed onto the tire through a pipe. The system removes any dirt particles preventing ice pollution and thus also extends the service life of the blade



TWS - TANK WASH SYSTEM

The TWS is a quick, and very efficient way of washing out the snow tank using a pipe that is installed in the tanks interior.



LLS - LASER LEVELLING SYSTEM

The LLS provides an even, consistent ice surface by adjusting the cutting depth automatically. The driver defines the ideal reference point on the ice surface. The transmitter sends a laser signal to the receiver which is based on the machine. The system automatically adjusts the blade position based on the difference between the reference point and the variable ice conditions.



FULL AUTO SYSTEM

The Full Auto System Start facilitates the operation of the machine for drivers, saving time and minimizing complexity. It allows the driver to concentrate on the driving lane, and the operation of the ice edger and side brush. The system automatically starts operating steps in a predefined order:

- · Lowering the conditioner and wiping cloths
- Activating the augers and the water discharge
- · Bringing the blade into the desired position
- · Switching on the entire lighting system
- · Activating optional equipment, such as the ice washing or Solid Ice system



AUGER WASH SYSTEM

This auger wash system makes the washing process as safe and convenient as possible:

- The operator can start the process simply by pulling a lever located on the conditioner
- The system flushes out snow and ice from the augers
- The operator does not need to open any of the bodywork covers or lift the tank



ICEBOOST

The Ice Boost for augers can be activated through a button in the drivers cockpit.

- It accelerates the RPM of the augers to remove disruptive ice or snow
- It can be activated on ice during the resurfacing process
- It prevents the augers from blocking

This brochure has been prepared only as a general guide for the customer. Some equipment described or shown may be optional at additional cost. Specifications are subject to change. For current product information, please contact the Engo Company.







WEIGHT SINGLE ELEMENT 94 kg
HEIGHT SINGLE ELEMENT 1.100 mm
LENGHT SINGLE ELEMENT 2.400 mm
ELEMENT RADIUS 7 to 8.5 m
FRAME CONSTRUCTION Tubular hot galvanized steel
ANCHOR TYPE Immersed adhesive anchor
INSIDE PANELLING 10 mm polyethylene
KICKPLATE 12 mm thick polyethylene
HANDRAIL Polyethylene
ENTRANCE DOOR starting from 0.8 m
MACHINE GATE WIDTH PER DOOR 1,75 m











VERSATILE & SAFE

So-called flexible board systems are safer and more flexible than traditional boards, and they cushion the effect of robust body checks. Engo was one of the first manufacturers to recognize the potential of flexible dasher boards to reduce the risk of injury. In collaboration with the technical university of Dresden, we developed the highquality model engo FlexBoard PPS. Because of its special material and structure, it absorbs the major part of the impact when players collide into it.



WEIGHT SINGLE ELEMENT 76 kg

HEIGHT SINGLE ELEMENT 1.100 mm

LENGHT SINGLE ELEMENT 2.400 mm

ELEMENT RADIUS 7 to 8.5 m

FRAME CONSTRUCTION Aluminum, fiberglass reinforced plastic uprights

ANCHOR TYPE Immersed adhesive anchor

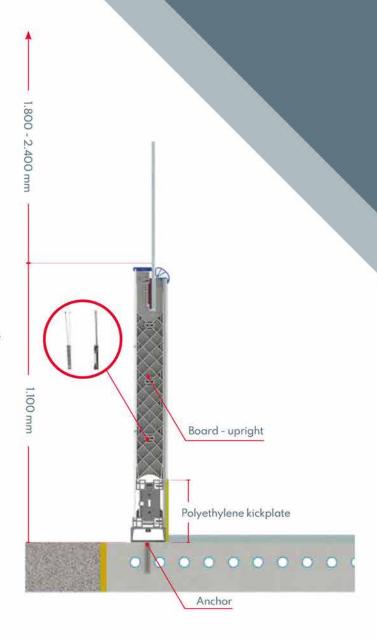
INSIDE PANELLING 10 mm polyethylene

KICKPLATE 12 mm thick polyethylene

HANDRAIL Soft polymer

ENTRANCE DOOR starting from 0.8 m

MACHINE GATE 2 m x 1,75 m







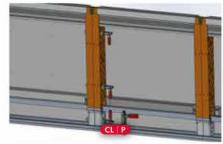


OPTIONALS





ICE DAM



QUICK ASSEMBLY SYSTEM



TEMPERED GLASS SHIELDING*



ACRYLIC SHIELDING **



POLYARBONATE SHIELDING***



MACHINE GATE INSIDE RADIUS



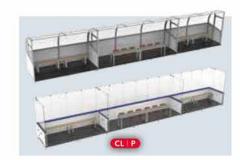
ROUNDED SHIELDING ON BOXES



SOUNDPROOFING



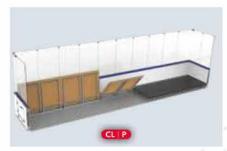
OUTSIDE COVERING



REFEREE- AND PENALTY BOX



PLAYER BOX



SLEDGE HOCKEY BOX

- * Available as 12 mm, 15 mm or 12/15 mm thickness
- * Available as 12 mm or 15 mm thickness
- * * Available as 8 mm, 10 mm or 12 mm thickness



QUICKADAPT



MOTION LED SYSTEM



NET PROTECTION



GOAL REFEREE BOX



GOAL LIGHT



ADVERTISING PROTECTION



TRANSPORT-, STORAGE SYSTEM



TRANSPARENT ELEMENTS

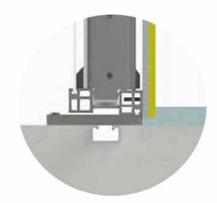


CUSTOM OPENINGS

ANCHORING

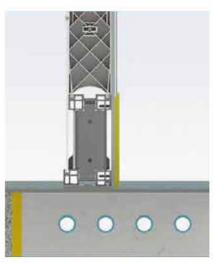
ANCHORING AND INSTALLMENT POSITIONS

We provide various anchoring systems for your icerink. All of our dasher boards are individually planned and as such can be adapted specifically for your building. This is advantageous in newly constructed facilities. The options include: Anchoring systems with ice dam; Installation systems on barries; Installations into the ice with steel plates and most commonly immersed adhesive anchors.

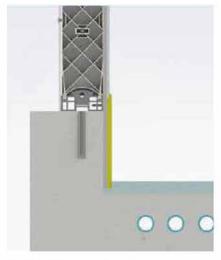


Alternatively
Immersed steel rail in concrete

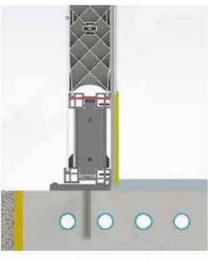




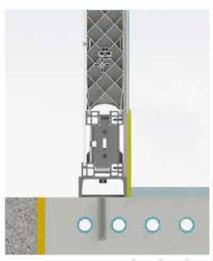
Installation into ice with steel plates



Installation on a barrier



Immersed adhesive anchors



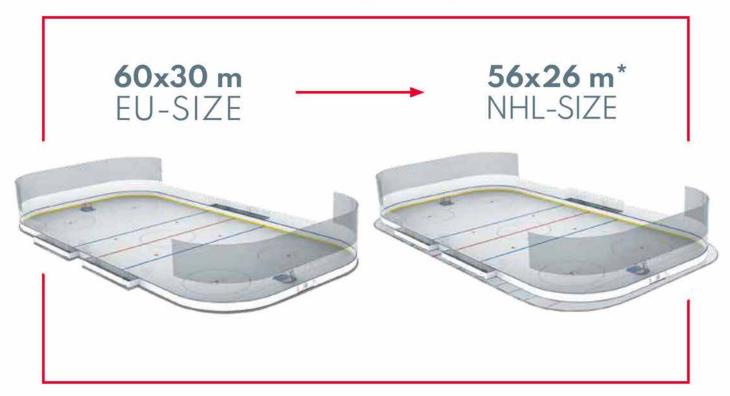
Anchoring system with ice dam







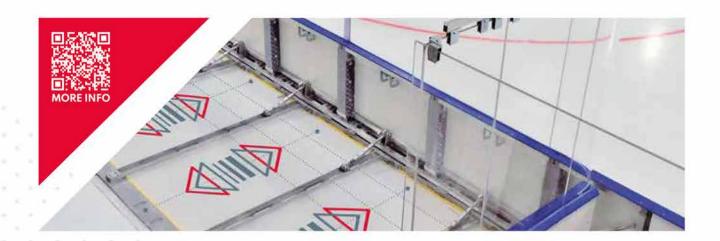




ONE SYSTEM, MANY SIZES

The innovative, patented QuickAdapt System is the cost-effective alternative to a complete rebuilding to reduce your ice rink to the NHL size. It moves the dasher board with the help of hydraulic cylinders reducing the size of the ice rink by 4 meters within 3 hours only.

*Size can be set to: 60x30, 60x28, 60x26, 58x28, 56x26 m



















INNOVATIVE ADVERTISING

The dasher board elements around the goal area are particularly interesting for advertisers, as this is where the most exciting scenes take place and receive special visibility on TV.

TECHNICAL DATA*

TECHNOLOGY Full color, SMD 1818

PIXEL PITCH 5mm

RESOLUTION (HXL) 48×150

PHYS. DISTANCE P5 (high contrast)

HEIGHT 800 mm

WIDTH 2,400 mm

COLORS 16.7 million @2600 - 9500

LED LIFETIME RATING L50 (50.000h**)

POWER SUPPLY 5V DC/50 Hz

MAX POWER 280W/m2

IP RATING IP42

INTERFACES HDMI, DVI, SDI, DF

VIDEO OUTPUT CAT6E < 100m, M-Fiber ≤ 500m

*Screen for 2.40 meter wide perimeter element I ** estimated

The LED foil is integrated inside the dasher board body, including the installation and control system. It only needs power supply provided by the ice arena.

The LEDs with a pixel pitch of 5 mm are embedded in a soft urethane bed and thus optimally protected against impacts.

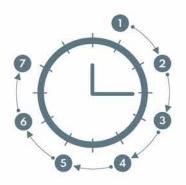
The innovative, bendable LED foil is 7 mm thin and weighs only 6.25 kg per square meter.

The LED foil is designed for maximum viewing angles (horizontal 160° - vertical 160°).

The LED foil works in combination with the control unit and the software.

- · Multiple sponsors alternating on the same space
- · Quick and easy sponsor change with a few clicks
- · Exclusively software and W-Lan based
- · The dasher board remains flexible in its structure
- · Can be retrofitted for older FlexBoard PPS
- · Cold resistant up to -15° and non-condensing
- · Show effect for all kinds of ice events (matches, galas, ...)
- · Place it everywhere on your rink (center board, players' boxes, radius, ...)
- · Remote access (mobile, desktop, laptop, ...)
- · Compatible with all common standard video formats
- · Daylight compatible for open ice rinks







- WELCOME MESSAGE > 2 1ST BREAK SPONSOR >
- 3 2ND BREAK SPONSOR > 4 MID GAME MESSAGE >
- 5 3RD BREAK SPONSOR > 6 POWER BREAK SPOT >
- POST GAME MESSAGE







ICE SCRAPER

Tool for collecting the ice abrasion during the field hockey games. Icescraper available in different widths

GLASS REMOVAL TOOL

Safety-tested glass tongs for easy removal and insertion of the ESG or acrylic glass panes at the conveyor system. The glass removal tool is simply mounted on the fork of the forklift.

PUCK REMOVER

Professional perimeter cleaning agent. Puck Remover removes puck streaks and abrasion on board elements as well as polycarbonate or acrylic discs quickly and easily. By applying the wax layer to the board, the puck abrasion is prevented from burning deeply into the materials.







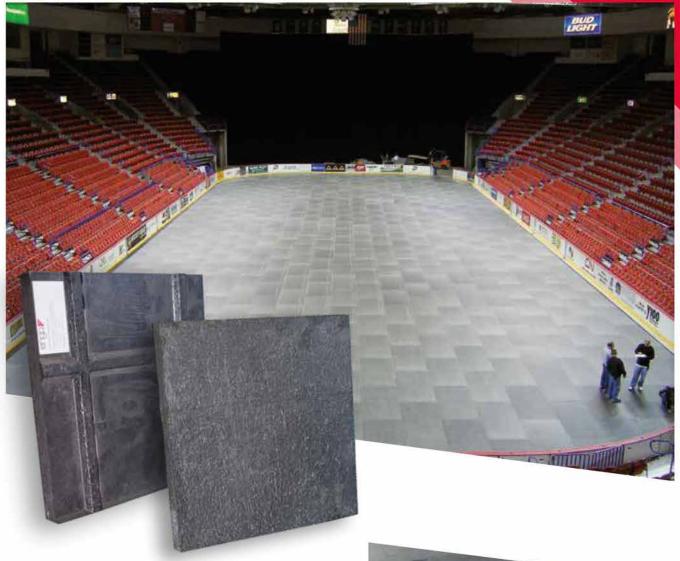
HOCKEY GOAL, NETS AND PADDING

We offer the complete set of hockey goals with separate padding vertical and horizontal as well as skate guards and replacement nets.

GOAL CADDY

A simple tool for moving around hockey goals around the service area after removing them from the rink.





ARENADECK (ICE COVER)

Professional ice rink covers and conversion in various widths and sizes for your multi use arena.

These waffle tiles are optimal for any floor conversion and can adapt your ice rink for any event.

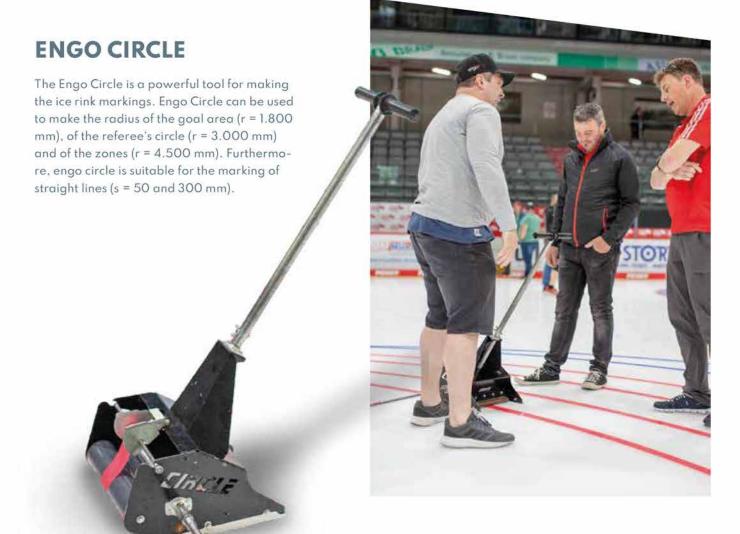
ARENADECK 25,4 MM SOLID (PRO)

ARENADECK 15,9 MM WAFFLE (LITE)

ARENADECK 25,4 MM WAFFLE (PRO)







ICE RINK PADDING

Shorttrack-, Speedskate and other certified mats for competitions. All mats are available in different configurations like basic-, movable or hybrid paddin for short track mats and foamboarding or airboarding mats for speed skating.







ICE RINK MARKINGS

Full professional field markings consisting of durable made of durable paper fabric for single use.

Available as sets for creating goal line markings, curling line markings or hockey markings.

RINK DIVIDER

An ice rink divider made from resilient and durable plastic with an angled top side. This divider is available in many different colors.



Grandstand seating in any shape and design. Whether fixed or folding, whether with or without backrest, whether on concrete base or steel console, whether VIP or lounge - everything is possible. Seating available in a wide range of colors and designs.



BENCH WITHOUT BACKREST

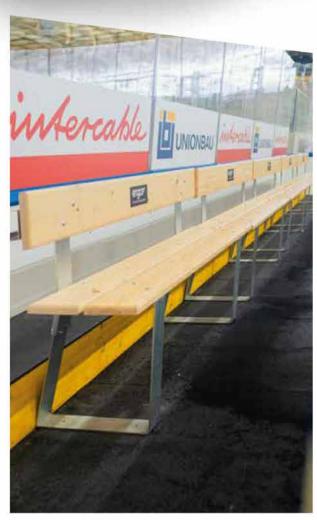
A simple bench that is best for changing rooms.

BENCH WITH BACKREST

Great as a player- or referee bench or similar usages

BENCH WITH BOTTLEHOLDER

A great player bench with an integrated bottle holder.











FOLDABLE TUNNEL

Extendable player tunnel as an ideal connection between exit grandstand tiers and hockey field. Versions in different sizes and individually graphically designable.

SKATING AID

Skating aids for children in various designs (rotational molding and aluminum) and price ranges

BLADE GRINDER

Professional blade sharpening machines for the planing knives of the ice working machines Knife sharpening machines in different lengths and designs (fully automatic, semi-automatic, with or without magnetic beam).







ICE SKATE GRINDER

Various models of professional skate sharpening machines Mobile as well as stationary

RENTAL SKATES

Rental skates for public skating in various sizes and designs.

ELECTRIFY THE ICE

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