

Core elements of ice resurfacing with engo

This graphic shows the most significant product characteristics exemplary for all product models of engo ice resurfacers.



- 1** Robust, durable, and completely hot-dipped galvanized **steel frame / chassis**.
- 2** Solid **axle units** with integrated pendulum and power steering cylinder in the front axle.
- 3** **Hydraulic oil-immersed brakes with mechanical negative break** on the rear axle.
- 4** Durable **conditioner**, hot-dip galvanized, and powder-coated. Available with different blade sizes from 1.700 up to 2.500 mm.
- 5** **Blade** made from high-grade, tempered steel with an average service life of 45-60 hours. Maximum cutting depth of 25 mm.
- 6** **Hydraulic board brush and optional ice edger** that cut and sweep precisely along the dasher board.

- 7** **Water tank** made of PE-HD 500 (= high-density polyethylene) or stainless steel. Choice of different capacity sizes ranging from 500 L up to 2,000 L.
- 8** An integrated **electrical proportional control valve** that closes automatically when the maximum amount of water is reached.
- 9** **Snow tank** made of hot-painted steel with a capacity between 2.2 m³ and 5 m³. The bottom of the tank is covered by a PE-HD sheet to facilitate the snow discharge.

- 10** **Inspection window** allows the operator to observe the filling level inside the snow tank while driving the resurfacer. A spotlight integrated into the tank supports this process.
- 11** Powerful, electric and maintenance-free **A/C motors** (Alternating Current Technology)
- 12** High capacity **battery pack** of low-maintenance or maintenance-free batteries. As an optional also lithium batteries can be chosen.

- 13** Ergonomically sprung **driver's seat** with arm rest and safety belt, adjustable both horizontally and vertically, for a comfortable driving experience.
- 14** **Color touch screen display** of different sizes from 4.3-inch up to 10.4-inch; to monitor and adjust the most important functions.
- 15** **Hydraulic levers or joystick** to operate the most important work steps during the ice resurfacing process.
- 16** **Foot pedals** for brake, and step-less speed control up to max 13 km/h.

Drive system

ZERO EMISSIONS FOR CLEAN ICE AND AIR

All engo ice resurfacers are based on electric, four-wheel drive with power steering.

- Sustainable and low in consumption
- 0% emissions combined with 100% driving pleasure
- No toxic gases
- High performance: 1.940 Nm
- Clean air for maximum safety in enclosed arenas
- Saves money and energy

