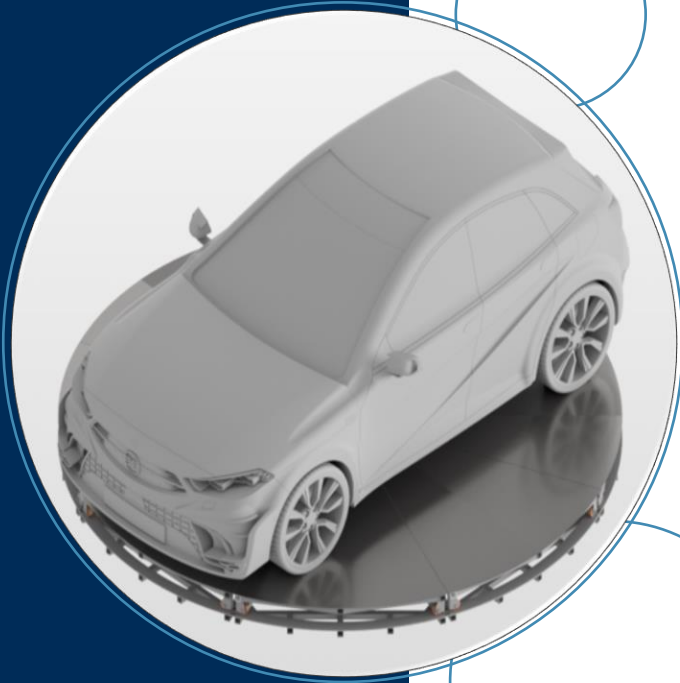


# UN\_877 TURNTABLE



## WHAT IS A TURNTABLE

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A car turntable is a rotating platform that allows vehicles to be easily turned, making it ideal for spaces with limited access or for vehicle displays

## CONTACT US

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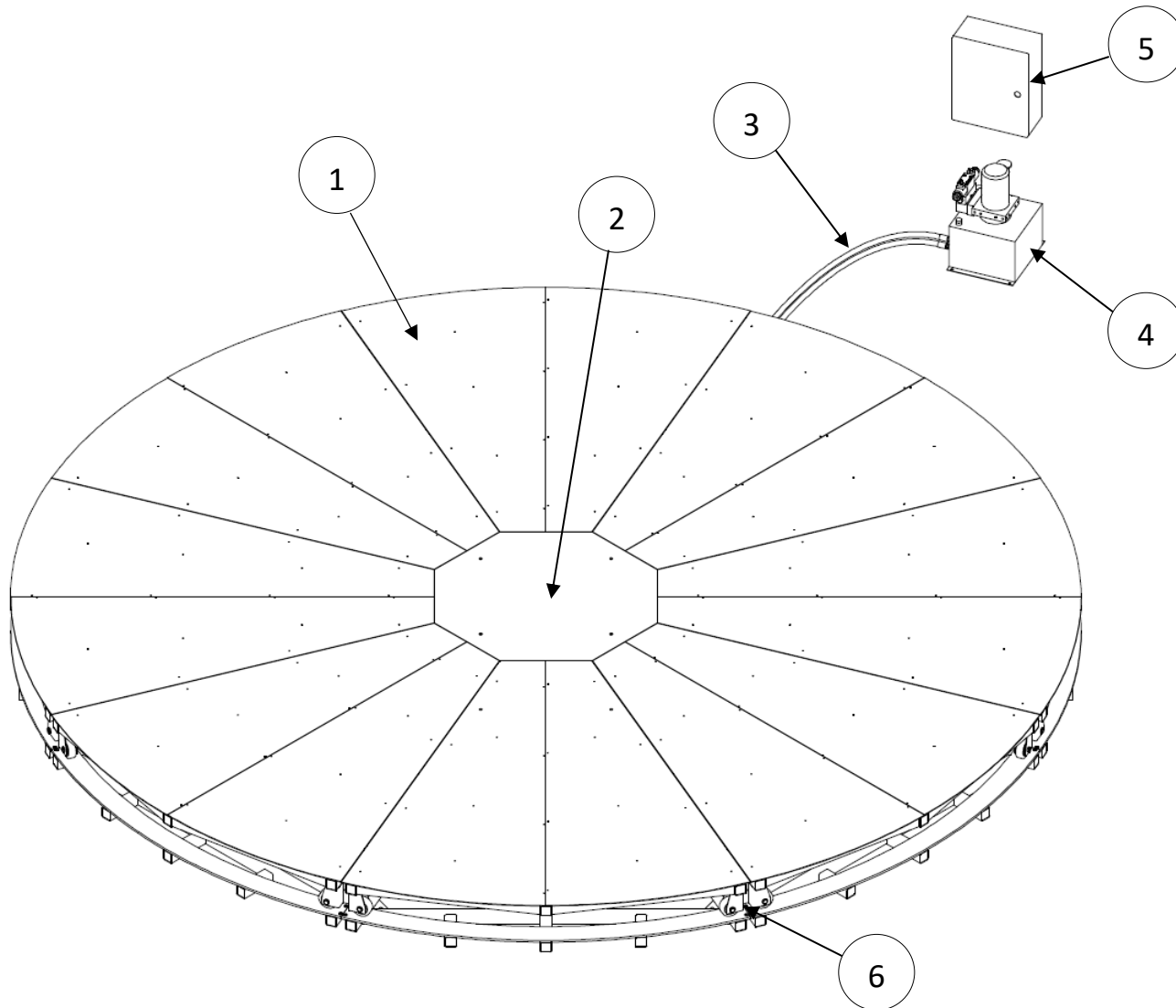


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## PRODUCT DESCRIPTION



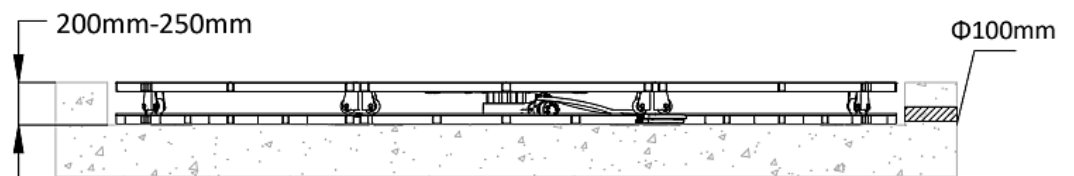
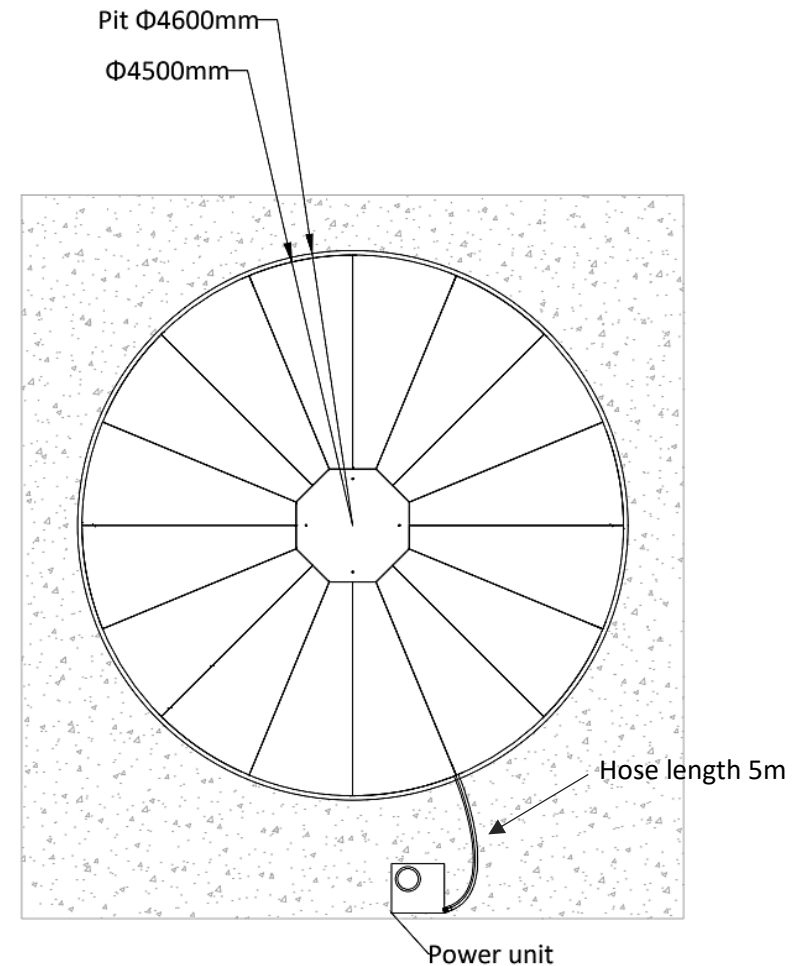
## INFORMATION

1. **Sheet Metal Floor:** The platform's surface is constructed from durable galvanized sheet metal, providing a sturdy and stable base for vehicles during rotation.
2. **Slewing Drive:** Enables the turntable's rotational movement by handling radial and axial loads. It integrates a slewing bearing with a drive mechanism, allowing for precise positioning and smooth operation.
3. **Rubber Hose:** Flexible tubing used to transport hydraulic fluid within the system.
4. **Power Unit:** responsible for supplying energy to the turntable system.
5. **Control Panel:** Monitors and manages the turntable's functions. Equipped with switches, buttons, and led light indicators.
6. **Wheels:** Circular components that facilitate the smooth movement of the turntable during rotation. They are made from polyurethane, offering durability and noise reduction.

## SPECIFICATIONS

- **Model:** UN\_877
- **Standard Rated Load:** 3000 kg  
Max Available: 6000 kg (upon request)
- **Minimum Closed Machine Height:** 200 - 250 mm
- **Shaft Diameter:** 4600 mm / 5100 mm / 5600 mm
- **Platform Diameter:** 4500 mm / 5000 mm / 5500 mm  
Min and Max Available : 3500 – 7000 mm (upon request)
- **Motor Type:** Hydraulic motor with slew ring drive
- **Rotation:** 360° continuous rotation
- **Hose Channel:**  $\Phi 80$ -100 mm
- **Hydraulic Motor:** 250 cc
- **Hydraulic Pump:** 4 L
- **Electric Motor:** 2 HP / 220V
- **Default Floor Material:** straight metal sheet  
Optional Finish: Galvanized tear-drop sheet
- **Machine Color:** RAL 9005 MAT (black)  
Upon request, the entire platform can undergo hot-dip galvanizing—a process where the steel is immersed in molten zinc—to provide robust corrosion protection.
- **Rotation Speed:** 0.363rpm
- **Full rotation duration:** 3 min
- **Total life cycles:** 30.000 cycles
- **Hose/cable length:** 5 m

## TECHNICAL DESIGNS



## BENEFITS

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**Space-saving solution** – Perfect for garages, showrooms, and areas with restricted maneuverability.

**Accommodates one or more vehicles** – Suitable for sedans and SUVs.

**Customizable sizes** – Available from 3.5m to 7m in diameter to fit different needs.

**Durable galvanized sheet metal surface** – Ensures longevity, corrosion resistance, and a sleek finish.

**Smooth & continuous rotation** – Ensures effortless vehicle positioning and an impressive display

## SAFETY FEATURES

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**Emergency Stop Button** – Instantly stops the turntable in case of an emergency.

**Non-Slip Surface** – Provides grip to prevent the vehicle from slipping.

**Overload Protection** – Stops operation if the turntable exceeds weight limits.

**Optional - Safety Sensors** – Detect obstacles or people to prevent accidents.

## CONSTRUCTION REQUIREMENTS

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### Channel for wiring and rubber hoses

- A channel with a 100mm diameter is required to be built at the shaft

### Pit Requirements

- Minimum Pit Depth: 200-250mm (Varies by model)
- Flat, level surface with proper drainage to avoid water accumulation.

### Concrete Strength

- Minimum: C25/30

### Concrete Thickness

- Minimum: 150mm – 200mm (for standard applications)

### Surface Finish & Treatment

- Smooth, level surface to ensure proper rotation
- Non-slip finish for safety

## ELECTRICAL REQUIREMENTS

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→ **Power Supply:** 220V (1-phase), (1.5kW)

→ **Current Operation:** 16A

→ **Main Required Fuse:** 1 x fuse 16 A (slow)  
or circuit breaker 1 x 16 A (trigger characteristic K or C)

## PREPARING THE PIT

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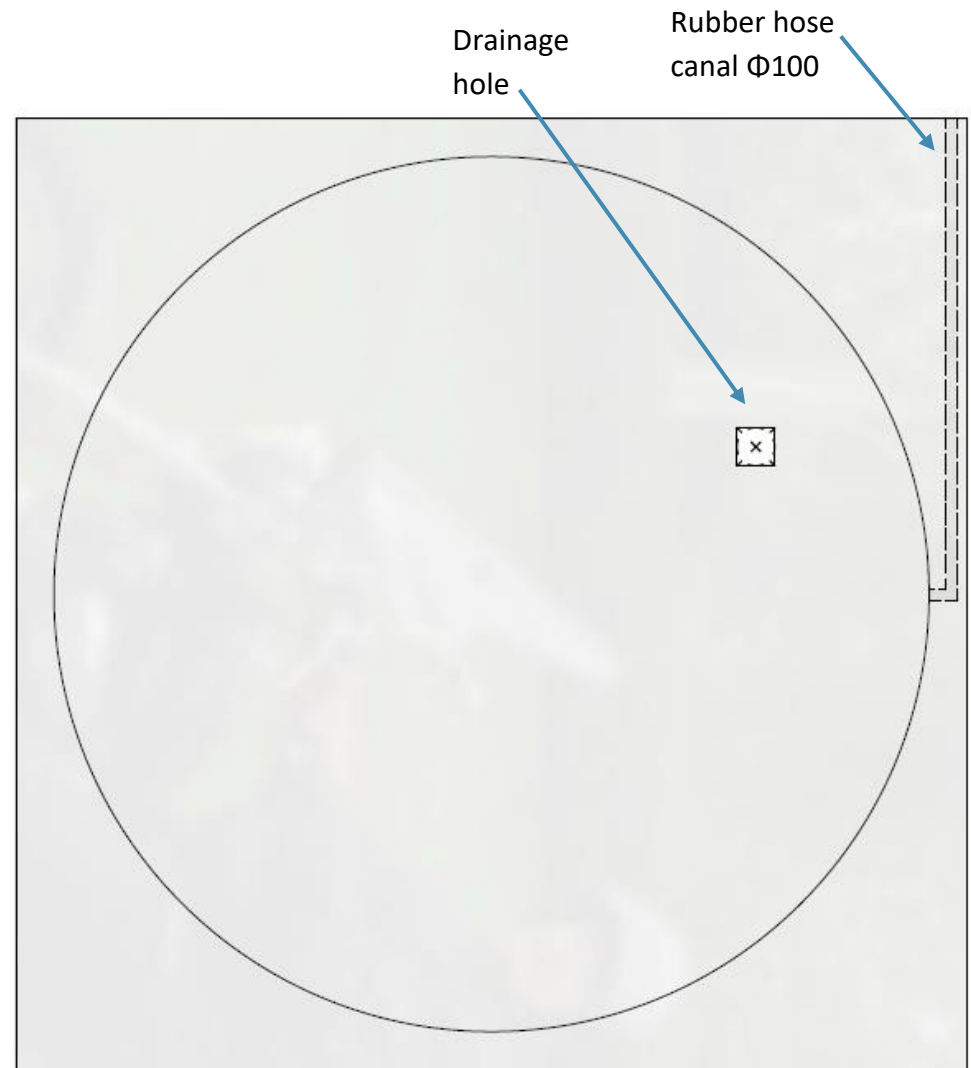
### → Rubber Hose Canal Integration:

- **Purpose:** To protect and conceal the rubber hose responsible for hydraulic fluid transmission within the turntable system.
- **Design:** Incorporate a dedicated channel or conduit within the base to house the rubber hose, ensuring it is shielded from potential damage.
- **Dimensions:** The canal should be appropriately sized to accommodate the hose without causing bends or kinks that could impede fluid flow.
- **Accessibility:** Design the canal for easy access to facilitate maintenance and inspections.

### In case the turntable is installed outside

### → Drainage Hole Installation:

- **Purpose:** To prevent water accumulation on the turntable surface.
- **Placement:** Position the drainage hole at the lowest point of the turntable's base to facilitate effective water runoff. Placement is allowed at any point, provided it is not in the center.
- **Sizing:** Ensure the hole is adequately sized to handle the expected water flow, typically aligning with standard drainage pipe dimensions.
- **Connection:** Attach the drainage hole to a suitable drainage system or soak away to direct water away from the structure.



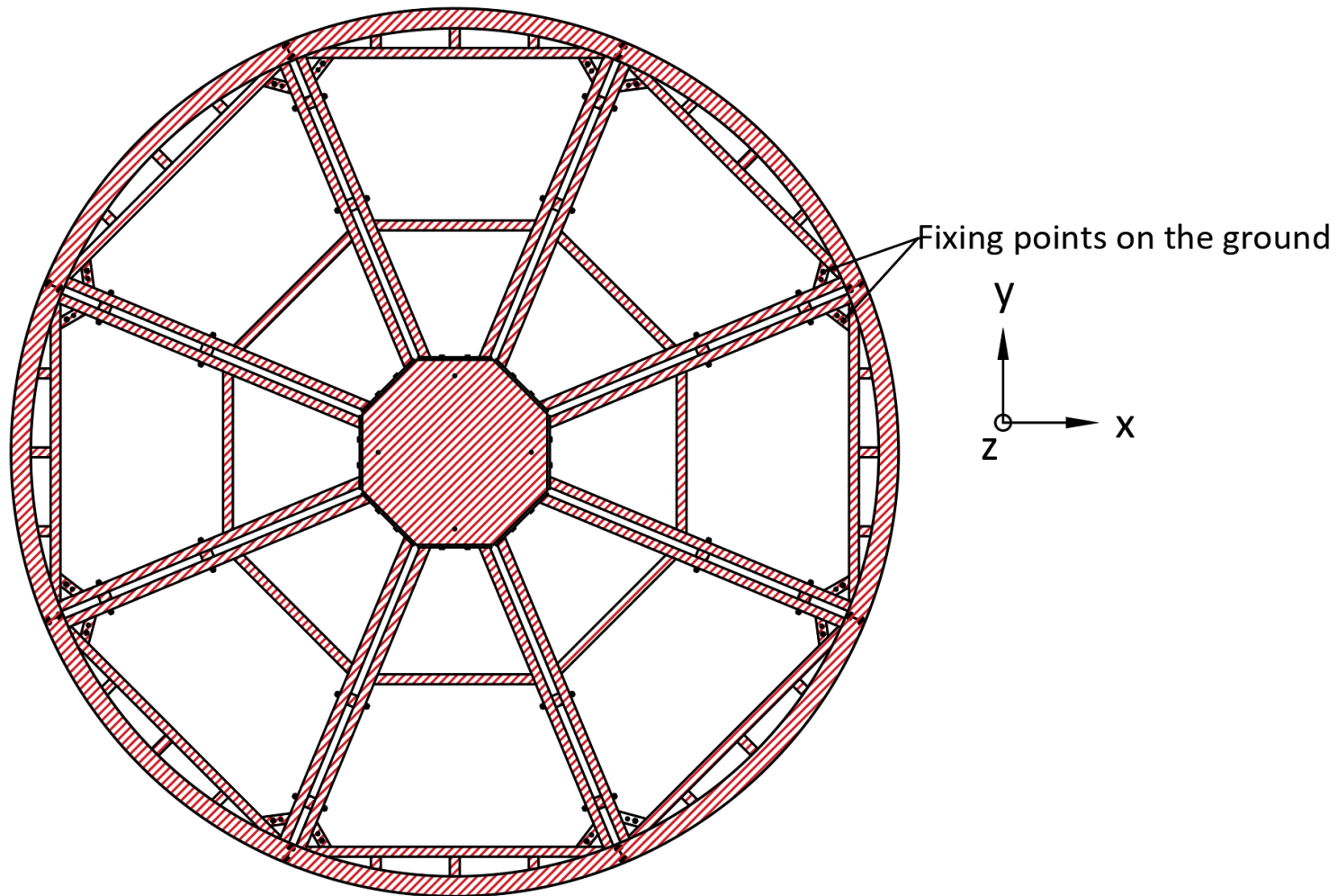
## APPLIED FORCES

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Forces are applied on the whole surface of the platform and mechanism.

$F_x = 0$  and  $F_y = 0$

$F_z = 47\text{kN}$



## CONTROL SYSTEM – LOP



- **Safety Key** – Provided with a specific key to activate or deactivate the platform, ensuring restricted access.
- **On-Off Switch** – Toggles between two states: "On" (closed circuit) and "Off" (open circuit).
- **Right and Left Buttons** – Activates clockwise and anti-clockwise movement of the platform (Requires continuous pressing to stay activated; releases to turn off).
- **Emergency Stop (Red Mushroom Button)** – Immediately interrupts all the operations. Must be rotated to reactivate the system.
- **Labels** – Clear and easy-to-read labels, using numbers or names in an international language to ensure user-friendly operation.

## CONTROL PANEL & HYDRAULIC UNIT



The oil tank has a capacity of 30L  
The max pressure is up to 80 -120 bar.



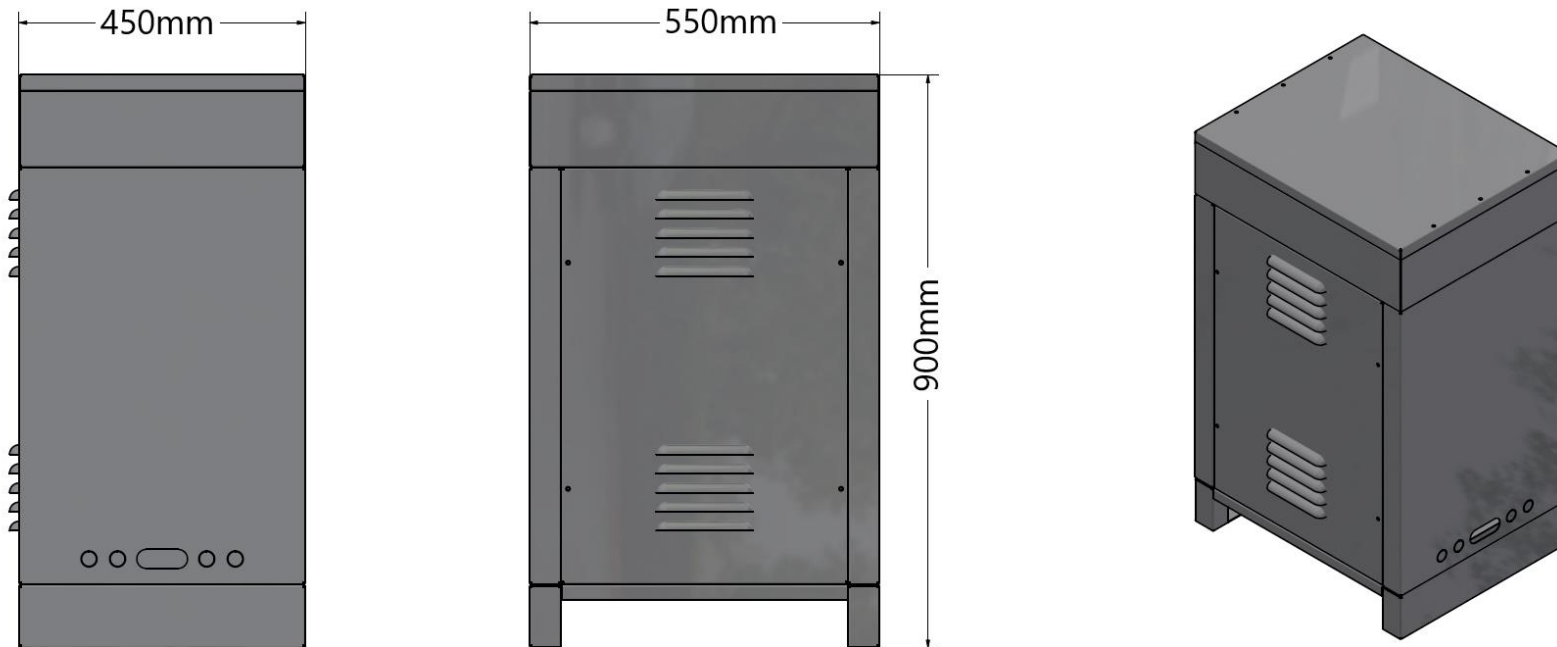
## CABINET – OPTIONAL

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The control panel and the hydraulic unit can be installed into a cabinet **upon request**.

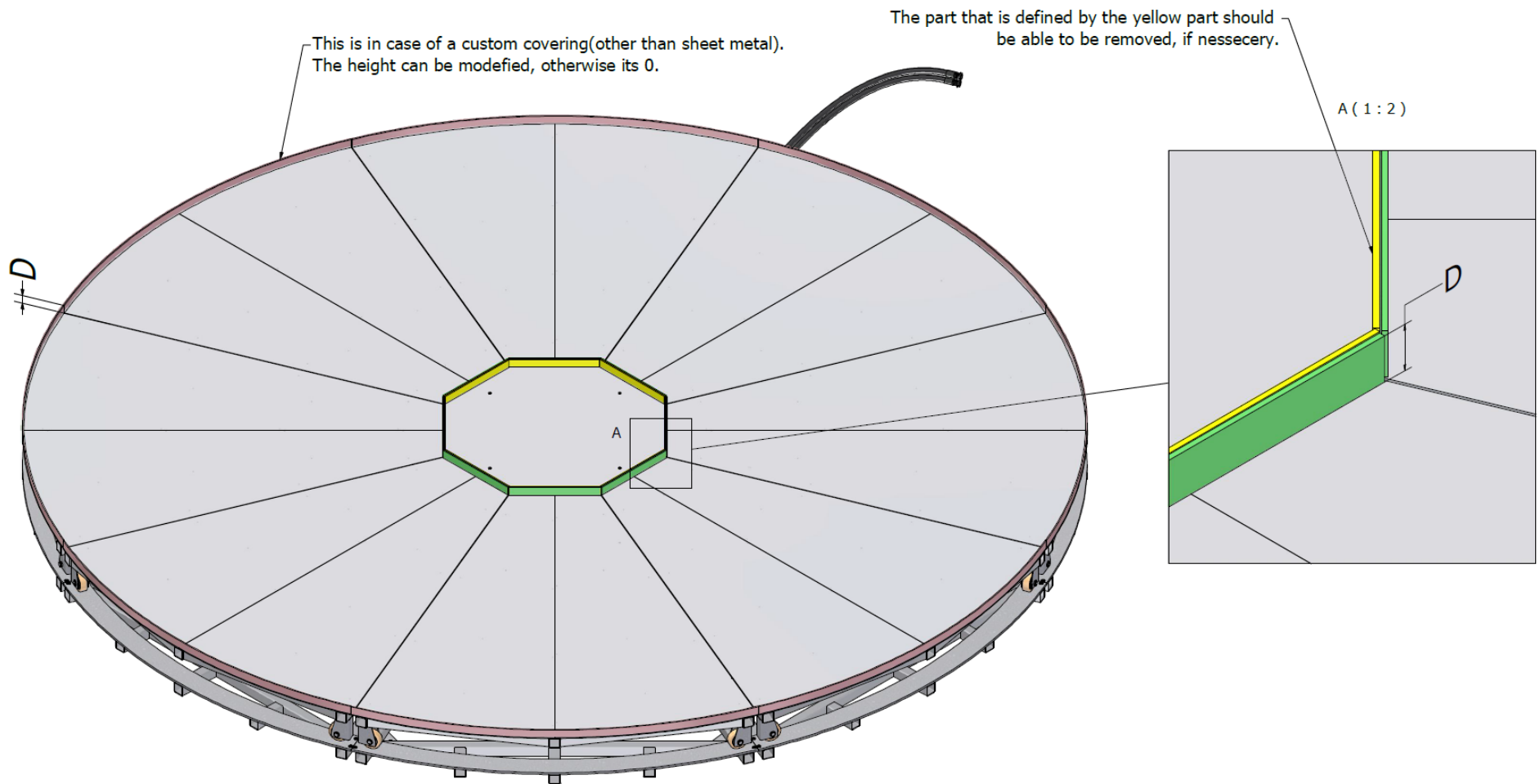
**Space - Saving Design:** Measuring at 900mm in height, 450mm in width and 550mm in depth, this cabinet fits seamlessly into tight spaces, making it ideal for installations with limited room.

**Durable Construction:** Built with galvanized sheet metal panels and painted in RAL 7040, the cabinet offers corrosion and water resistance (IP54), ensuring long-term durability.



## TURNTABLE COVERING – OPTIONAL

We can properly adjust the structure to install the covering of your choice



## TURNTABLE WITHOUT PIT (RAMP) – OPTIONAL

A **pitless car turntable** is designed for installations where excavating a pit is impractical or impossible. Instead of being recessed into the ground, the turntable is mounted directly onto the existing surface. To facilitate smooth vehicle access, ramps are integrated, allowing cars to drive onto and off the turntable with ease

