MERHEIN
Technical Datasheet

19 April 2026

Vertical Rotary Car Parking System

This automated system utilizes a rotating mechanism to lift and store cars vertically. Constructed from heavy-duty steel, it maximizes parking capacity in a minimal footprint and is ideal for urban areas.

ADDITIONAL IMAGES

System Overview

Efficient Urban Parking Solution

This vertical rotary parking system is designed to maximize vehicle storage capacity in high-density urban environments. By utilizing a high-efficiency rotating mechanism, the system can house up to 12 vehicles within a compact land footprint. Engineered with safety as a priority, it features automated detection systems, robust steel construction, and reliable control technology to ensure stable and secure operation for commercial and residential applications.

Certifications	CE, ISO9001

Technical Specifications

Performance Metrics

12 cars	90 sec	65 db	2000 kg
Capacity	Max Retrieval Time	Noise Level	Max Vehicle Weight

Physical Dimensions

Item	L x W x H (Meters)
Installation Footprint	7.0 x 5.3
Equipment Size	7.30 x 5.24 x 14.5
Max Vehicle Size	5.20 x 2.20 x 1.75

Drive & Power System

- Drive Mode: Engine + Chain Transmission
- Engine Power: 11 KW
- Voltage: 380 V / 50 HZ
- Control System: PLC with Touch Screen/IC Card

Construction & Safety

Safety Protections

- Vehicle anti-falling protection
- Power anti-overloaded device
- Automated size/mis-entry detection system

Structural Details	Q345 Steel, 8mm thickness, 220mm x 220mm column dimensions