

Caesar C-0,1 Mr

DRIVERLESS



Type of vehicle

- High-lift fork truck
- High-shift stacker
- Lift stacker
- Telescoping mast stacker
- Spreader stacker
- Drawbar stacker
- Teleskoping fork stacker
- Side shift stacker
- Narrow-aisle stacker
- High-rack stacker
- Tractor
- Drive-under tractor
- Platform truck**
- Other

Special equipment

- RFID-/barcode reader
- Weighing function
- Metering function
- Roll conveyor
- Belt conveyor**
- Chain conveyor
- Flexible load handling
- Cover lift
- Dual operation
- Stainless steel vehicle
- Clean room vehicle
- Outdoor vehicle
- Heavy-duty vehicle
- Other

Application example

TD Deutsche Klimakompressor

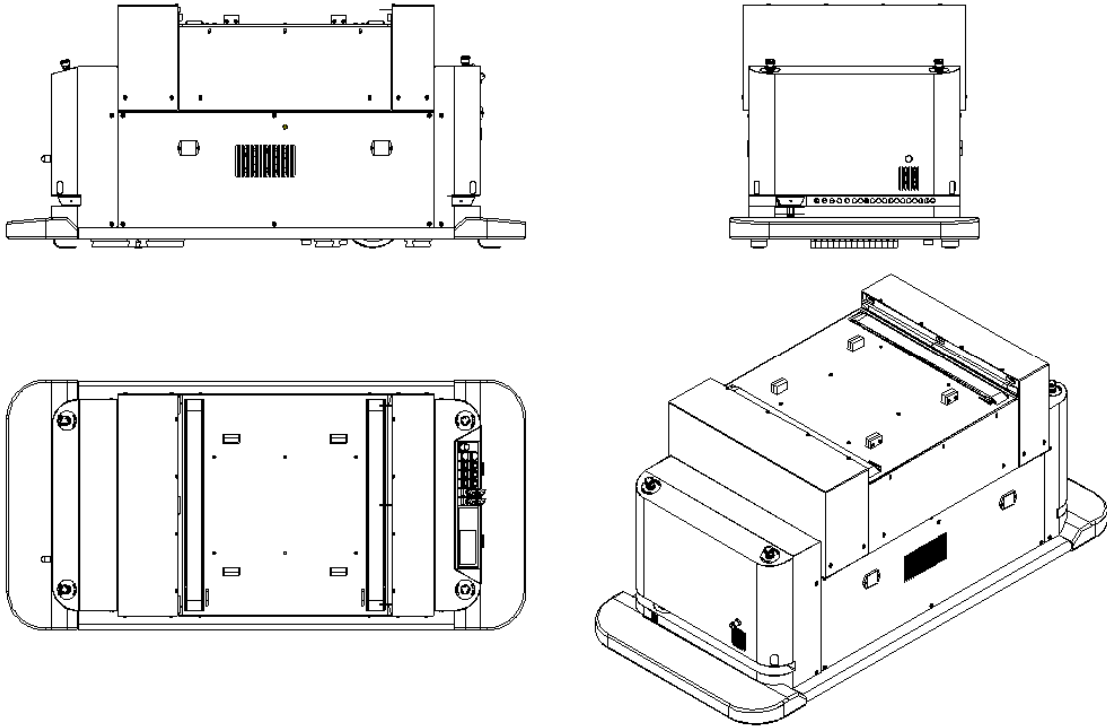
TD Deutsche Klimakompressor GmbH (TDDK) is a joint venture of the automotive suppliers Toyota Industries and Denso and is one of the leading manufacturers of compressors for car air conditionings.

At TDDK's plant in Bernsdorf an automated guided transport system delivers assemblies and components to the production line - 24 hours a day, 7 days a week, 360 days a year. The driverless vehicles auto-matically take loading units filled with workpieces from a stationary conveyor and then bring them to the desired transfer stations at the production line. They also handle the return of the workpieces to the load transfer station of the warehouse.

The Caesar series platform trucks are 1,723 mm long and weigh about 450 kg. Each is equipped with a belt conveyor that automatically moves the load carrier onto and off of the stationary conveyor system at a height of 750 mm.

Coordination and control of the automated guided transport vehicles and execution of the transport orders are handled by MLR's own LogOS control and management system. The automated guided vehicles are connected to the main computer via Wifi and receive their travel and load-change commands and report their position and status information via this interface.

Technical data



Caesar C-O,1 Mr

Dimensions (l x w x h)	1,723 x 830 x 805 mm
Weight	Approx. 450 kg (with battery)
Load capacity	100 kg
Ground clearance	30 mm beneath the vehicle frame
Speed	Forward 1.6 m/s; Reverse: 1.6 m/s
Energy concept	Lithium battery 24 V/100 Ah Automated battery charging via charging contacts on the vehicle
Protective devices	Laser scanners at front and rear Front and rear bumpers Strip sensors on the sides Two E-stop buttons at front and rear
Appropriate loads	SLC box stack Dimensions: max. 685 x 425 x 950 mm (L x W x H)