

Robust portal trailer with
double-sided loading options

Ergonomic operation

High energy efficiency with
electrical connection

'Push through' of the
load to unload under the
portal bar (optional)

High level of directional
stability with all-wheel
steering (optional)



GTP 110/210/216

Trailer (1,000/1,600 kg)

Our GTP portal trailers guarantee the flexible, cost-effective transportation of loads with a capacity of up to 1600 kg per trailer. The opportunity to pick up and off-load trailers from both sides give a flexible solution for all operations.

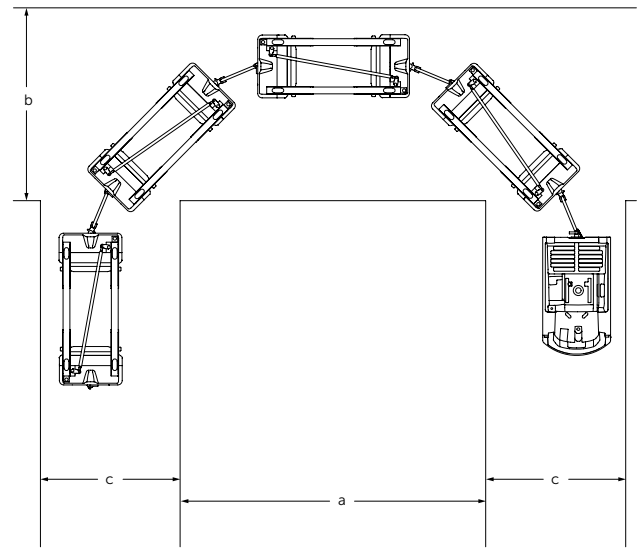
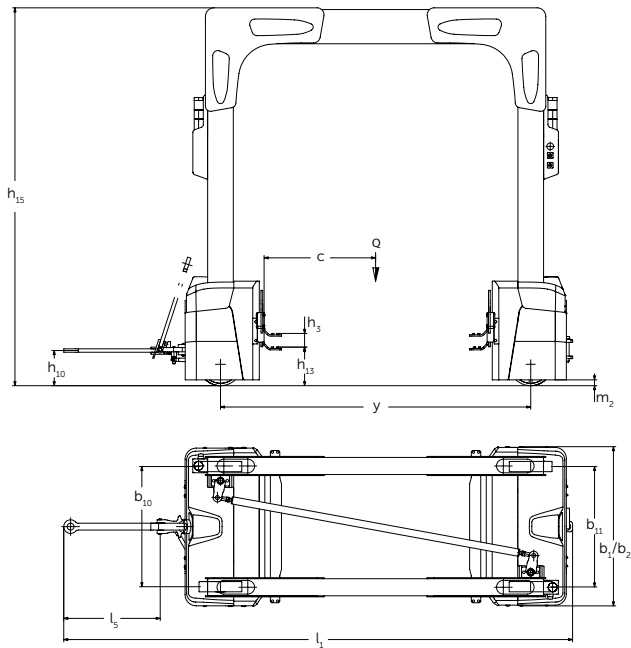
The portal trailers are available with two steering systems: Either with a simple steering/fixed castors principle or with a directional stability system for narrow spaces with simultaneous steering of all wheels.

Loading and unloading is precisely and quickly controlled using buttons for lifting and lowering. To unload, the trailer is lowered

then manually pushed through the portal frame. Portal heights of 1.60 metres (standard) and 2 metres (optional) enable you to adapt the system to your individual needs.

The trailers are electrically connected, thereby providing the best conditions for easy, reliable and efficient operation. A high level of energy efficiency is guaranteed by the energy conversion directly in the trailer.

GTP 110/210/216



| model GTP | Pallet size [mm] | Number of trailers | Length without tow tractor [mm] | a [mm] (without oncoming traffic, EZS 350) | smallest turning circle $2 \times W_a$ | U-turn | | 90° curve | |
|-----------|------------------|--------------------|---------------------------------|--|--|---|------------------|---|------------------|
| | | | | | | b [mm] (without counter-traffic, EZS 350) | c [mm] (EZS 350) | b [mm] (without counter-traffic, EZS 350) | c [mm] (EZS 350) |
| 110 | 800 | 2 | 5100 | 2000 | 5800 | 5700 | 2000 | 3200 | |
| 110 | 800 | 3 | 7650 | 2000 | 6100 | 5900 | 2000 | 4000 | |
| 110 | 800 | 4 | 10200 | 2000 | 6600 | 6300 | 2000 | 4600 | |
| 110 | 1000 | 2 | 5100 | 2200 | 5800 | 5400 | 2000 | 3200 | |
| 110 | 1000 | 3 | 7650 | 2200 | 6100 | 6000 | 2000 | 4000 | |
| 110 | 1000 | 4 | 10200 | 2200 | 6600 | 6200 | 2000 | 4600 | |
| 210/216 | 800 | 2 | 5800 | 2000 | 5100 | 2700 | 2000 | 2100 | |
| 210/216 | 800 | 3 | 8700 | 2000 | 5300 | 3000 | 2000 | 2500 | |
| 210/216 | 800 | 4 | 11600 | 2000 | 5400 | 3300 | 2000 | 2600 | |
| 210/216 | 1000 | 2 | 5800 | 2200 | 5100 | 2500 | 2000 | 2200 | |
| 210/216 | 1000 | 3 | 8700 | 2200 | 5300 | 2900 | 2000 | 2400 | |
| 210/216 | 1000 | 4 | 11600 | 2200 | 5500 | 3300 | 2000 | 2600 | |

Technical data

| | | Jungheinrich | | | | | | | | |
|------------------|-------------------|--|--------------------------------|--------------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Identification | 1.1 | Manufacturer (abbreviation) | | | | | | | | |
| | 1.2 | Model | GTP 110 | GTP 110 | GTP 210 | GTP 210 | GTP 216 | GTP 216 | | |
| | | | 800 x 1200 | 1000 x 1200 | 800 x 1200 | 1000 x 1200 | 800 x 1200 | 1000 x 1200 | | |
| Identification | 1.5 | Load capacity/rated load | Q | t | 1 | 1 | 1 | 1 | 1.6 | 1.6 |
| | 1.6 | Load centre distance | c | mm | 652 | | | | | |
| | 1.7 | Rated tractive power | F | N | 1,280 ¹⁾ | 1,280 ¹⁾ | 1,340 ¹⁾ | 1,340 ¹⁾ | 1,820 ¹⁾ | 1,820 ¹⁾ |
| | 1.9 | Wheelbase | y | mm | 1,851 | 1,851 | 1,814 | 1,814 | 1,814 | 1,814 |
| Weights | 2.1 | Service weight | | kg | 600 | 600 | 670 | 670 | 680 | 680 |
| | 2.2 | Axle load with load front/rear | | kg | 800 / 800 | 800 / 800 | 835 / 835 | 835 / 835 | 1,140 / 1,140 | 1,140 / 1,140 |
| | 2.3 | Axle load without load front/rear | | kg | 300 / 300 | 300 / 300 | 335 / 335 | 335 / 335 | 340 / 340 | 340 / 340 |
| Wheels / frame | 3.1 | Tyres | | | Vu | | | | | |
| | 3.2 | Tyre size, front | | mm | Ø 250 x 60 | | | | | |
| | 3.3 | Tyre size, rear | | mm | Ø 250 x 60 | | | | | |
| | 3.5 | Wheels, number front/rear (x = driven wheels) | | | 2 / 2 | | | | | |
| | 3.6 | Tread width, front | b ₁₀ | mm | 730 | 730 | 700 | 700 | 700 | 700 |
| 3.7 | Tread width, rear | b ₁₁ | mm | 730 | 730 | 700 | 700 | 700 | 700 | |
| Basic dimensions | 4.2.1 | Total height | h ₁₅ | mm | 1,815 ⁴⁾ | | | | | |
| | 4.4 | Lift | h ₃ | mm | 80 | | | | | |
| | 4.12 | Coupling height | h ₁₀ | mm | 205 | | | | | |
| | 4.15 | Height, lowered | h ₁₃ | mm | 220 | | | | | |
| | 4.17 | Overhang length | l ₅ | mm | 640 | 640 | 564 | 564 | 564 | 564 |
| | 4.19 | Overall length | l ₁ | mm | 2,920 | 2,920 | 2,975 | 2,975 | 2,975 | 2,975 |
| | 4.21 | Overall width | b ₁ /b ₂ | mm | 922 | 1,122 | 922 | 1,122 | 922 | 1,122 |
| | 4.32 | Ground clearance, centre of wheelbase | m ₂ | mm | 35 ³⁾ | | | | | |
| 4.38.4 | Pallet width | | mm | 800 | 1,000 | 800 | 1,000 | 800 | 1,000 | |
| Performance data | 5.1 | Travel speed, laden/unladen | | km/h | 8.5 / 12 ²⁾ | | | | | |
| | 5.2 | Lift speed, laden/unladen | | m/s | 0.03 / 0.03 | | | | | |
| | 5.3 | Lowering speed, laden/unladen | | m/s | 0.03 / 0.03 | | | | | |
| | 5.7 | Gradeability laden/unladen | | % | 10 / 10 | | | | | |
| | 5.10 | Service brake | | | none | | | | | |
| Electrics | 6.2 | Lift motor | | W | 2x / 880 | | | | | |
| | 6.4 | Battery voltage/nominal capacity K5 | | V/Ah | 24 / 0 | | | | | |
| Misc. | 8.4 | Sound pressure level at operator's ear as per EN 12053 | | dB (A) | 70 | | | | | |
| | 8.5 | Trailer coupling, model/type DIN | | | Tiller | Tiller | Plug coupling | Plug coupling | Plug coupling | Plug coupling |

¹⁾ A maximum of 4 trailers are recommended per train.

²⁾ Maximum permissible speed for trailers. Actual speed is dependent on load and tow tractor.

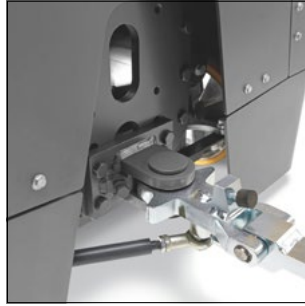
³⁾ Measured under bumper. Ground clearance centre of wheelbase (m₂) under portal bar 1600 mm (optional 2000 mm). Maximum load height under portal bar 1400 mm incl. trolley (optional 1800 mm).

⁴⁾ Optional 2215 mm.

Benefit from the advantages



Electrical connection for trailers



All-wheel steered frame (optional) for excellent directional stability



The portal design allows loads to be pushed out



Lifting and lowering via buttons at an ergonomic height

Electrical connection of trailers

The portal trailers are electrically connected in order to transfer the necessary energy for lifting and lowering.

- High level of efficiency with excellent energy management.
- Fast, quiet lifting and lowering.
- Easy and clean connection. The coupling is via just an electrical connector.
- No additional power unit required in the tow tractor.
- Low energy consumption.

Comfortable and safe operation

- Simple coupling system for connecting the trailers with good directional stability.
- All-wheel steered frame (GTP 210/216) for excellent directional stability.

Optimum ergonomics for efficient work

- Lifting and lowering via buttons at an ergonomic height.
- Lift status displayed via differently coloured lights (optional).
- Heavy loads are pushed out of the GTP via the portal construction. This is more ergonomic and gentle on the back than pulling it out.

Rugged construction for tough applications

- Frame manufactured from high quality sheet steel.
- Design for 1000 kg and 1600 kg loads.
- Optional portal heights of 1600 mm and 2000 mm (optional).
- Suitable for load aids with dimensions of 800x1200 mm and 1000x1200 mm.
- Suitable trolleys available in all sizes.

Reduced costs due to energy-efficient operation

- Energy is only ever used in the individual trailer in which the load is lifted/lowered. Loads therefore remain in the raised position when the trailer stops to save energy.
- The conversion of the energy directly in the trailer minimises losses and ensures optimum energy utilisation.

Maintaining an overview at all times

A comprehensive instrument display allows a complete operational overview at all times:

- Traffic light display (optional) for lift function.
- Clear view from tow tractor of the entire train due to the portal bar.

Additional equipment

- Extensive accessories for individual tailoring to your requirements.



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The German production facilities in Norderstedt, Moosburg and Landsberg are certified. ISO 9001 ISO 14001

Jungheinrich fork lift trucks meet European safety requirements. CE

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