

Robust portal trailer with  
double-sided loading options

Ergonomic operation

High energy efficiency with  
electrical connection



## 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 unload trailers from both sides provides a flexible solution for all operations.

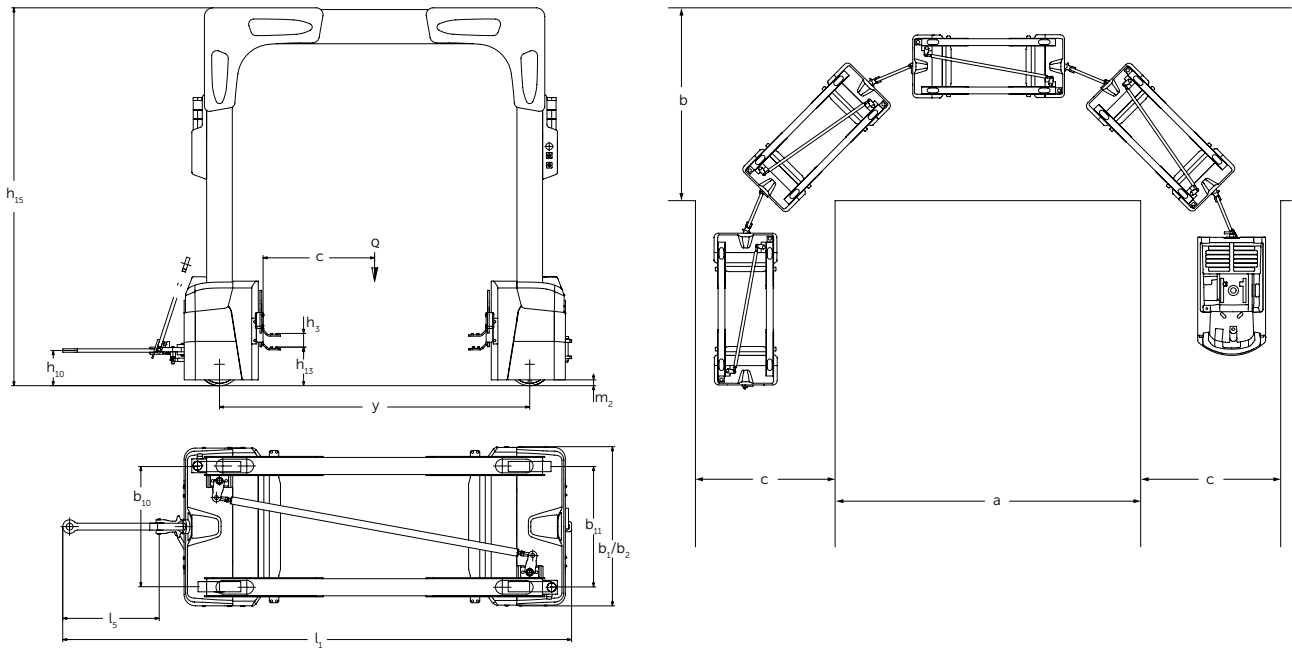
The portal trailers can be delivered with two steering systems: either with a simple steering/fixed castors principle or with a directional stability system for narrow spaces with simultaneous steering of all wheels.

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 1.6 metres (standard) and 2 metres (optional) enable you to adapt the system to your individual needs.

The trailers are electrically connected, providing the best solution for easy, reliable and efficient operation. energy conversion directly in the trailer guarantees a high level of energy efficiency.

 **JUNGHEINRICH**

**GTP 110/210/216**



U-turn						90° curve		
model GTP	Pallet size [mm]	Number of trailers	Length without tow tractor [mm]	a [mm] (without counter-traffic, EZS 350)	Smallest turning circle 2xW	b [mm] (without counter-traffic, EZS 350)	c [mm] (EZS 350)	b [mm] (without counter-traffic, 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

Identification	1.1	Manufacturer (abbreviation)		Jungheinrich					
	1.2	Model		<b>GTP 110</b>	<b>GTP 110</b>	<b>GTP 210</b>	<b>GTP 210</b>	<b>GTP 216</b>	<b>GTP 216</b>
				<b>1200 x 800</b>	<b>1200 x 1000</b>	<b>1200 x 800</b>	<b>1200 x 1000</b>	<b>1200 x 800</b>	<b>1200 x 800</b>
	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 drawbar pull	F N	1,280 <sup>1)</sup>	1,280 <sup>1)</sup>	1,340 <sup>1)</sup>	1,340 <sup>1)</sup>	1,820 <sup>1)</sup>	1,820 <sup>1)</sup>
	1.9	Wheelbase	y mm	1,851	1,851	1,814	1,814	1,814	1,814
Weights	2.1	Net weight	kg	600	600	670	670	680	680
	2.2	Axle loading, laden front/rear	kg	800 / 800	800 / 800	835 / 835	835 / 835	1,140 / 1,140	1,140 / 1,140
	2.3	Axle loading, unladen 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 <sub>10</sub> mm	730	730	700	700	700	700
	3.7	Tread width, rear	b <sub>11</sub> mm	730	730	700	700	700	700
Basic dimensions	4.2.1	Total height	h <sub>15</sub> mm	1,815 <sup>4)</sup>					
	4.4	Lift	h <sub>3</sub> mm	80					
	4.12	Coupling height	h <sub>10</sub> mm	205					
	4.15	Height, lowered	h <sub>13</sub> mm	220					
	4.17	Overhang length	l <sub>5</sub> mm	640	640	564	564	564	564
	4.19	Overall length	l <sub>1</sub> mm	2,920	2,920	2,975	2,975	2,975	2,975
	4.21	Overall width	b <sub>1</sub> /b <sub>2</sub> mm	922	1,122	922	1,122	922	1,122
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> mm	35 <sup>2)</sup>					
	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 <sup>3)</sup>					
	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					
Elec- trics	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 coup-ling	Plug coup-ling	Plug coup-ling	Plug coup-ling

<sup>1)</sup> A maximum of 4 trailers are recommended per train.

<sup>2)</sup> Dimension under protection bumper. Ground clearance centre of wheelbase (m) under portal bar 1600 mm (optional 2000 mm). Maximum load height under portal bar 1400 mm including trolley (optional 1800 mm).

<sup>3)</sup> Maximum permissible speed for trailers. Actual speed is dependent on load and tow tractor.

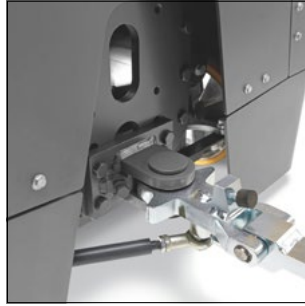
<sup>4)</sup> Optional 2215 mm.

In accordance with VDI Guideline 2198 this data sheet provides details of the standard truck only. Non-standard tyres, different masts, optional equipment, etc. may result in different values.

# Benefit from the advantages



Electrical connection of 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. The advantages are:

- High efficiency levels with excellent energy management.
- Fast, quiet lifting and lowering.
- Simple and clean connection, the coupling takes place only via an electrical plug.
- 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 different 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.

## Robust construction for tough operations

- Frame manufactured from high quality steel.
- Designs for 1000 kg and 1600 kg heavy loads.
- Optional portal heights of 1600 mm and 2000 mm (optional).
- Suitable for load carriers in the sizes 800 x 1200 mm and 1000 x 1200 mm.
- Suitable trolleys available in all sizes.

## Reduced costs due to energy-efficient operation

- Energy is only ever used in the specific 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 for 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.



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