

Robust E-frame

Ergonomic operation

High energy efficiency with its electrical connection (GTE 312)

Clean and fast lifting with electro-hydraulic lift

Excellent stability due to central axle



## GTE 106 / 312

Trailer (1,300 / 2,600 lb.)

Our E-frame trailers provide flexible economical transporting of loads of up to 2,600 lbs. per trailer. These can be connected so they can be loaded or unloaded on both sides. The central axle helps to ensure directional stability even with long trains and while maneuvering in tight spaces.

The loading of the trolleys into the trailers can be done mechanically (GTE 106) or via electrohydraulic lift (GTE 312). When loading, the load is pushed into the trailer on a trolley and mechanically locked in place.

The electrically connected trailers (GTE 312) offer easy, reliable and clean operation. A high

level of energy efficiency is supported by the energy conversion directly in the trailer.

**JUNGHEINRICH®**

# Technical data

as of: 08/2018

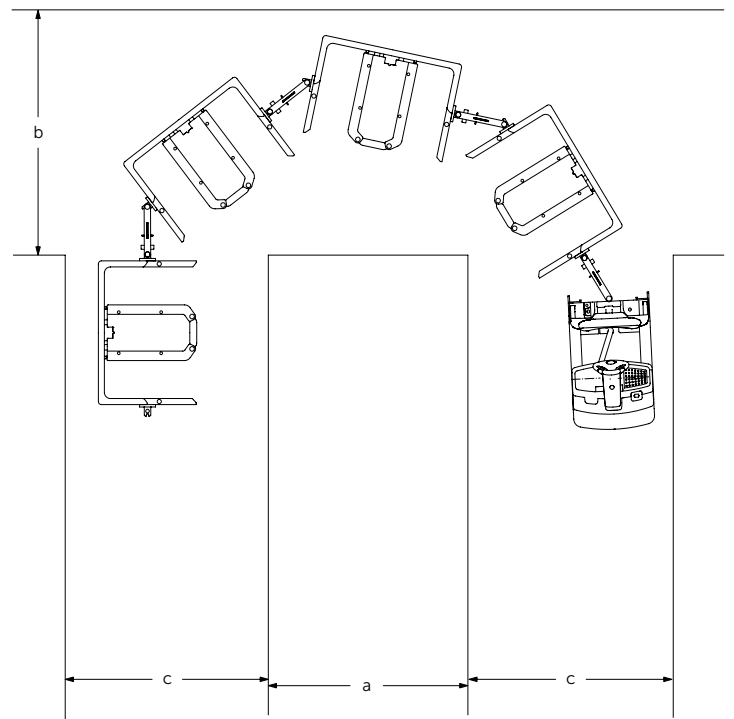
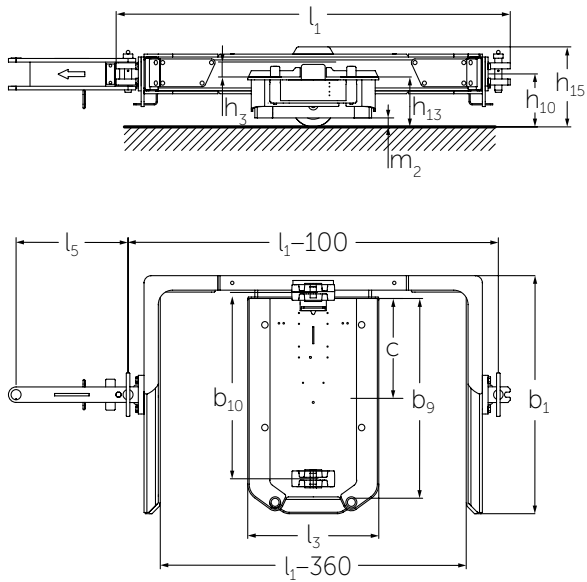
|                 |                                 | Jungheinrich                           |                                 |                |                     |   |           |             |           |             |             |             |             |
|-----------------|---------------------------------|--|---------------------------------|----------------|---------------------|---|-----------|-------------|-----------|-------------|-------------|-------------|-------------|
| Characteristics | Manufacturer's type designation |  |                                 |                | GTE 106             |   | GTE 106   |             | GTE 312   |             | GTE 312     |             |             |
|                 |                                 |  |                                 |                | 47.2x31.4           | 1,200x800   | 47.2x39.3 | 1,200x1,000 | 47.2x31.4 | 1,200x800   | 47.2x39.3   | 1,200x1,000 |             |
| 1.1             | Manufacturer                    |  |                                 |                |                     |   |           |             |           |             |             |             |             |
| 1.2             | Manufacturer's type designation |  |                                 |                |                     |   |           |             |           |             |             |             |             |
| 1.5             | Load capacity / rated load      | Q                                      | lb                              | kg             | 1,300               | 600   | 1,300     | 600         | 2,600     | 1,200       | 2,600       | 1,200       |             |
| 1.6             | Load center distance            | c                                      | in                              | mm             | 15.9                | 405   | 19.8      | 505         | 15.9      | 405         | 19.8        | 505         |             |
| 1.7             | Rated tractive power            | F                                      | N                               |                | 1,400 <sup>1)</sup> |   |           |             |           |             |             |             |             |
| Weights         | 2.1                             | Net weight                             |                                 | lb             | kg                  | 429.9   | 195       | 485.0       | 220       | 579.8       | 263         | 652.6       | 296         |
|                 | 2.2                             | Axle loading, loaded front / rear      |                                 | lb             | kg                  | 1,752.7   | 795       | 1,807.8     | 820       | 3,225.4     | 1,463       | 3,298.1     | 1,496       |
|                 | 2.3                             | Axle loading, unloaded front / rear    |                                 | lb             | kg                  | 429.9   | 195       | 485.0       | 220       | 579.8       | 263         | 652.6       | 296         |
| Wheels, Chassis | 3.1                             | Tire type / material                   |                                 |                |                     | Vu  |           |             |           |             |             |             |             |
|                 | 3.2                             | Tire size, (front)                     |                                 | in             | mm                  | Ø 7.1x2.6 / Ø 180x65                              |           |             |           |             |             |             |             |
|                 | 3.5                             | Wheels, number drive / load (x=driven) |                                 |                |                     | 2 / -   |           |             |           |             |             |             |             |
|                 | 3.6                             | Tread width, front                     | b <sub>10</sub>                 | in             | mm                  | 30.3  | 770       | 38.2        | 970       | 30.3        | 770         | 38.2        | 970         |
| Dimensions      | 4.2.1                           | Total height                           | h <sub>15</sub>                 | in             | mm                  | 12.2  | 309       | 12.2        | 309       | 13.7        | 346         | 13.7        | 346         |
|                 | 4.4                             | Lift                                   | h <sub>3</sub>                  | in             | mm                  | 0.8   | 20        | 0.8         | 20        | 2.5         | 62          | 2.5         | 62          |
|                 | 4.12                            | Coupling height                        | h <sub>10</sub>                 | in             | mm                  | 8.6 / 219   |           |             |           |             |             |             |             |
|                 | 4.15                            | Height, lowered                        | h <sub>13</sub>                 | in             | mm                  | 8.7   | 221       | 8.7         | 221       | 8.2         | 208         | 8.2         | 208         |
|                 | 4.17                            | Overhang length                        | l <sub>5</sub>                  | in             | mm                  | 18.5  | 470       | 22.4        | 570       | 18.5        | 470         | 22.4        | 570         |
|                 | 4.18                            | Loading area width                     | b <sub>9</sub>                  | in             | mm                  | 31.9  | 810       | 39.8        | 1,010     | 31.9        | 810         | 39.8        | 1,010       |
|                 | 4.19                            | Overall length                         | l <sub>1</sub>                  | in             | mm                  | 63.8 / 1,619                                      |           |             |           |             |             |             |             |
|                 | 4.21                            | Overall width                          | b <sub>1</sub> / b <sub>2</sub> | in             | mm                  | 38.8  | 985       | 46.7        | 1,185     | 38.8        | 985         | 46.7        | 1,185       |
|                 | 4.32                            | Ground clearance, center of wheelbase  | m <sub>2</sub>                  | in             | mm                  | 1.4 / 37  |           |             |           |             |             |             |             |
|                 | 4.38.12                         | Platform length                        | l <sub>3</sub>                  | in             | mm                  | 23.3  | 590       | 23.3        | 590       | 21.7        | 550         | 21.7        | 550         |
| Performance     | 5.1                             | Travel speed, loaded / unloaded        |                                 | mph            | km/h                | 5.3 / 11.2 <sup>2)</sup> / 8.5 / 18 <sup>2)</sup> |           |             |           |             |             |             |             |
|                 | 5.2                             | Lift speed, loaded / unloaded          |                                 | ft/min         | m/s                 | —   | —         | —           | —         | 0.09 / 0.09 | 0.03 / 0.03 | 0.09 / 0.09 | 0.03 / 0.03 |
|                 | 5.3                             | Lowering speed, loaded / unloaded      |                                 | ft/min         | m/s                 | —   | —         | —           | —         | 0.09 / 0.09 | 0.03 / 0.03 | 0.09 / 0.09 | 0.03 / 0.03 |
|                 | 5.7                             | Gradeability, loaded / unloaded        |                                 | %              |                     | 10 / 10   |           |             |           |             |             |             |             |
|                 | 5.10                            | Service brake                          |                                 |                |                     | none  |           |             |           |             |             |             |             |
| Electrical      | 6.1                             | Lift motor                             |                                 | HP             | W                   | —   | —         | —           | —         | 0.75        | 560         | 0.75        | 560         |
|                 | 6.4                             | Battery voltage / nominal capacity     |                                 | k <sub>s</sub> | V/Ah                | —   |           | —           |           | 24 / 0      |             | 24 / 0      |             |
| Other           | 8.5                             | Trailer coupling, model / type DIN     |                                 |                |                     | GTE tiller  |           |             |           |             |             |             |             |

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.

This specification sheet only provides technical values for the standard truck. Non-standard tires, different masts, additional equipment, etc., could produce other values. Rights reserved for technical changes and improvements.

# GTE 106 / 312



| GTE 106 / 312 |       |                    |                            |       |   |       |                             | U-turn |   | 90° curve |                       |       |  |       |
|---------------|-------|--------------------|----------------------------|-------|---|-------|-----------------------------|--------|---|-----------|-----------------------|-------|--|-------|
| Pallet size   |       | Number of trailers | Length without tow tractor |       | a (in / mm) (without countertraffic, EZS 350) |       | Smallest turning radius 2xW |        | b (in / mm) (without countertraffic, EZS 350) |           | c (in / mm) (EZS 350) |       | b (in / mm) (without countertraffic EZS 350) |       |
| in            | mm    |                    | in                         | mm    | in  | mm    | in                          | mm     | in  | mm        | in                    | mm    | in   | mm    |
| 31.5          | 800   | 2                  | 158.6                      | 4,028 | 78.7  | 2,000 | 149.6                       | 3,800  | 98.4  | 2,500     | 78.7                  | 2,000 | 86.6   | 2,200 |
| 31.5          | 800   | 3                  | 236.9                      | 6,017 | 78.7  | 2,000 | 169.3                       | 4,300  | 110.2   | 2,800     | 78.7                  | 2,000 | 98.4   | 2,500 |
| 31.5          | 800   | 4                  | 315.2                      | 8,006 | 78.7  | 2,000 | 177.2                       | 4,500  | 122.0   | 3,100     | 78.7                  | 2,000 | 110.2  | 2,800 |
| 39.4          | 1,000 | 2                  | 166.5                      | 4,228 | 86.6  | 2,200 | 157.5                       | 4,000  | 98.4  | 2,500     | 78.7                  | 2,000 | 86.6   | 2,200 |
| 39.4          | 1,000 | 3                  | 248.7                      | 6,317 | 86.6  | 2,200 | 177.2                       | 4,500  | 114.2   | 2,900     | 78.7                  | 2,000 | 102.4  | 2,600 |
| 39.4          | 1,000 | 4                  | 330.9                      | 8,406 | 86.6  | 2,200 | 185.0                       | 4,700  | 129.9   | 3,300     | 78.7                  | 2,000 | 114.2  | 2,900 |

# The Jungheinrich Advantage



Electrical connection for trailers (GTE 312)

## Electrical connection for trailers (GTE 312)

- High efficiency levels with excellent energy management.
- Fast, quiet lifting and lowering.
- Easy and clean connection.
- Easy separation via an electrical connector.
- No additional power unit required in the tow tractor.

## Comfortable operation

- Lifting and lowering of all trailers (GTE 312).
- Lifting and lowering of individual trailers (standard on GTE 106, optional on GTE 312).

## Optimum ergonomics for increased efficiency

- Lift status displayed via lights (optional for GTE 312).
- Loading/unloading possible on both sides by recoupling the trailers.
- Rear loading of the trolley possible with an EFG or ETV.
- Simple coupling system for connecting the trailers.



Unlocking with the foot clamp

## Robust design

- Frame manufactured from high quality steel.
- Suitable for load aids in the sizes 31.5" X 47.2" and 39.4" X 47.2".
- Suitable trolleys also available in these sizes.

## GTE 106: mechanical trailer

With its easy, mechanical technique, the GTE 106 offers many advantages:

- The load is lifted free from the ground via rollers inside the trailer and ramps on the trolley.
- Operation without energy from the tow tractor.
- Suitable for loads up to 1,300 lbs.

## Reduced costs due to energy-efficient operation (GTE 312)

- Reduced energy consumption due to separate lifting/lowering of individual trailers (optional). Trailers with loads which are not moved remain raised.
- The conversion of energy directly in the trailer minimizes losses and ensures optimum energy utilization.



Rear loading of trolleys is easy with an EFG

## Parts when you need them

Jungheinrich's Parts Fast or Parts Free Guarantee ensures next-business-day delivery by 5:00 PM of all Jungheinrich parts in the United States, or they're free, including freight. For customers in Canada and Mexico, the guarantee ensures shipping of parts within 24 hours from the time the order was placed by the dealer. See your local Jungheinrich dealer for program details.

- \* Programs may be subject to change without notice and may vary by region. Please ask your local Jungheinrich dealer for complete terms and conditions.

Built in compliance with ANSI/ITSDF B56.1 design specifications for Type E industrial trucks with type EO battery.