

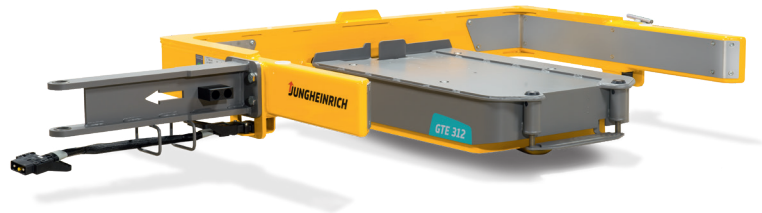
Robust E-frame

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	1.1	Manufacturer												
	1.2	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		
	1.5	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 ¹⁾									
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 ₁₀	in	mm	30.3	770	38.2	970	30.3	770	38.2	970	
Dimensions	4.2.1	Total height		h ₁₅	in	mm	12.2	309	12.2	309	13.7	346	13.7	346
	4.4	Lift		h ₃	in	mm	0.8	20	0.8	20	2.5	62	2.5	62
	4.12	Coupling height		h ₁₀	in	mm	8.6 / 219							
	4.15	Height, lowered		h ₁₃	in	mm	8.7	221	8.7	221	8.2	208	8.2	208
	4.17	Overhang length		l ₅	in	mm	18.5	470	22.4	570	18.5	470	22.4	570
	4.18	Loading area width		b ₉	in	mm	31.9	810	39.8	1,010	31.9	810	39.8	1,010
	4.19	Overall length		l ₁	in	mm	63.8 / 1,619							
	4.21	Overall width		b ₁ / b ₂	in	mm	38.8	985	46.7	1,185	38.8	985	46.7	1,185
	4.32	Ground clearance, center of wheelbase		m ₂	in	mm	1.4 / 37							
	4.38.12	Platform length		l ₃	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 ²⁾ / 8.5 / 18 ²⁾								
	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 _s	V/Ah	—	—	—	—	24 / 0		24 / 0		
Other	8.5	Trailer coupling, model / type DIN			GTE tiller									

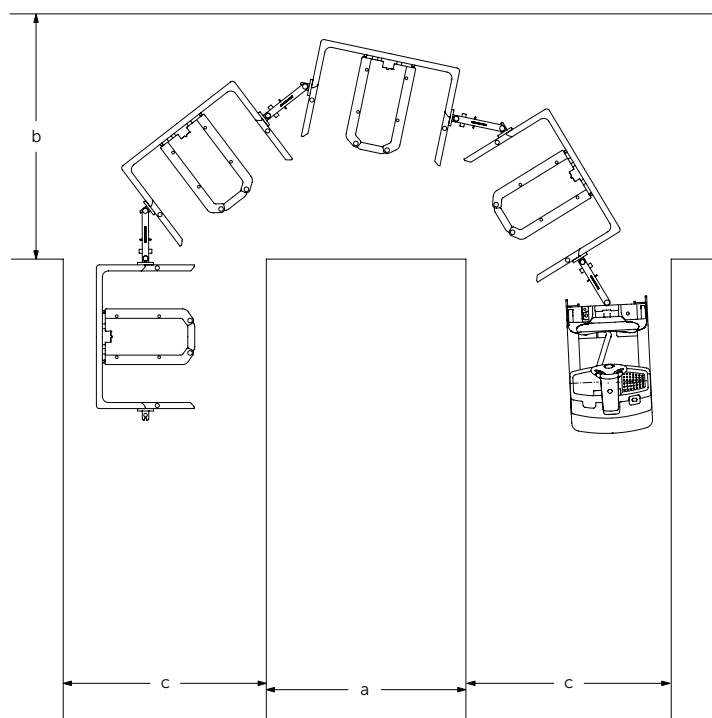
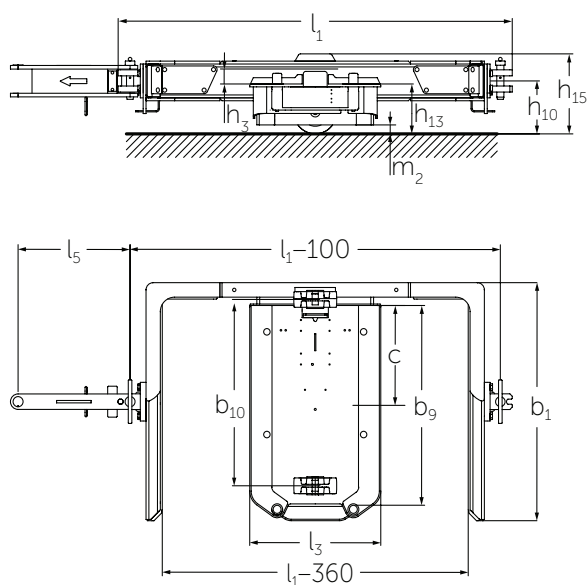
1) A maximum of 4 trailers are recommended per train.

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

Note: Equipping this model (these models) with a power source (e.g. Lithium-ion, Hydrogen Fuel cell, etc.) that has not been previously approved by the factory is considered a modification. Per OSHA 1910.178 and ANSI/ITSDF B56.1, please consult with your factory representative prior to installing any non-OEM power source that has not been previously approved.

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					a (in / mm) (without countertraffic, EZS 350)		Smallest turning radius 2xW		U-turn b (in / mm) (without countertraffic, EZS 350)		90° curve c (in / mm) (EZS 350)			
Pallet size		Number of trailers	Length without tow tractor		in	mm	in	mm	in	mm	in	mm	in	mm
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.