

The shortest universal stacker of its class in the world (EMD 115i)

Optimum driving characteristics with ProTracLink

Exact load positioning

On-board charger for easy charging

LION
technology



EMD 115i/118

Electric pedestrian controlled truck (1,500/1,800 kg)

Due to their short front-end length combined with an integrated support arm lift, the EMD 115i/118 electric pedestrian controlled trucks offer a wide array of options for almost any application.

The EMD 118 enables problem-free lifting of picked goods weighing up to 800 kg to a comfortable reach height, as well as light stacking operations up to 1520 mm. With its very short front-end length of just 628 mm, the EMD 118 is not just versatile and compact, but also ideal for use in shops, in very tight storage areas or on an HGV.

The EMD 115i impresses with its advanced lithium-ion technology in the form of a battery case weighing just 17 kg. In addition to rapid and boost charging, the truck's principal advantage is its noticeably smaller battery compartment. In combination with the front end (I2) this helps to reduce the overall weight of the fork lift truck considerably. The fork lift truck can be used in the

narrowest of spaces and in weight-sensitive areas and is ideally suited to conventional applications and use on HGVs. With a front-end length of just 558 mm, the EMD 115i is the shortest universal stacker of its class in the world.

A second truck model with shorter mast (ergonomic lift) also provides the ideal conditions for comfortable order picking up to a height of 690 mm (with support arm lift: 812 mm) and goods transport with low intensity. If noise is a problem, the EMD offers a silentDRIVE option to allow use to continue in noise-sensitive areas or at times when noise needs to be kept to a minimum.

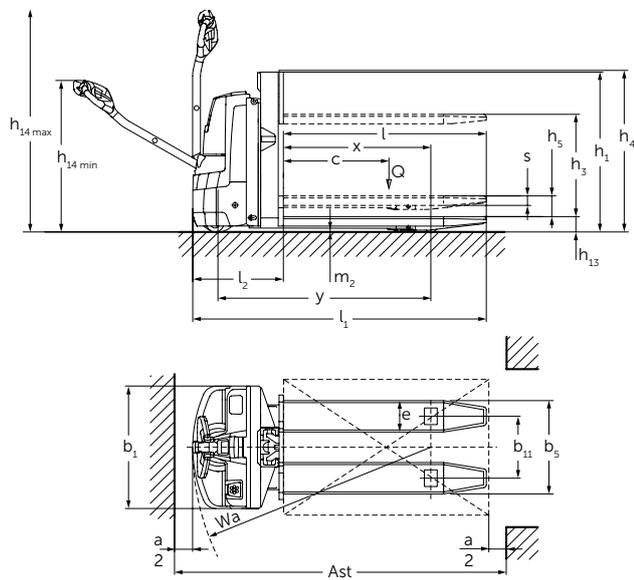
EMD pedestrian controlled trucks are flexible universal trucks for load transport over short distances and light-duty stacking tasks. In addition to short front-end lengths and a compact design, the truck is characterised by ease of handling and a wide range of ergonomic benefits.

JUNGHEINRICH

EMD 115i/118

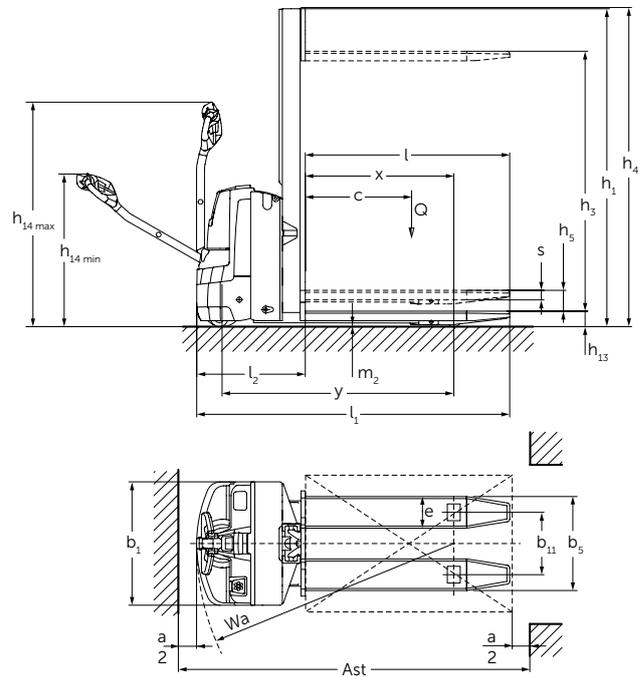
EMD 115i

Ergo lift model



EMD 118

and EMD 115i



Technical data in line with VDI 2198

| | | Jungheinrich | | | | | |
|------------------|---|--|-----------------------|-----------------------------------|---------------------|---------------------|-------------|
| | | EMD 115i | EMD 115i Ergo lift | EMD 118 | | | |
| Identification | 1.1 | Manufacturer (abbreviation) | | | | | |
| | 1.2 | Model | | | | | |
| | 1.3 | Drive | | Electric | | | |
| | 1.4 | Manual, pedestrian, stand-on, seated, order picker operation | | pedestrian | | | |
| | 1.5 | Load capacity/rated load | Q t | 1.5 ³⁾ | 1.5 ³⁾ | 1.8 ⁴⁾ | |
| | 1.5.1 | Load capacity/load with mast lift | Q t | 0.8 | | | |
| | 1.5.2 | Load capacity/load with support arm lift | Q t | 1.5 ³⁾ | 1.5 ³⁾ | 2 ⁴⁾ | |
| | 1.6 | Load centre distance | c mm | 600 | | | |
| | 1.8 | Load distance | x mm | 942 | | | |
| 1.9 | Wheelbase | y mm | 1,356 | 1,356 | 1,426 | | |
| Weights | 2.1.1 | Net weight incl. battery (see row 6.5) | | kg | 510 | 480 | 650 |
| | 2.2 | Axle loading, laden front/rear | | kg | 660 / 1,350 | 635 / 1,345 | 720 / 1,730 |
| | 2.3 | Axle loading, unladen front/rear | | kg | 360 / 150 | 335 / 145 | 470 / 180 |
| Wheels / frame | 3.1 | Tyres | | PU | | | |
| | 3.2 | Tyre size, front | | mm Ø 230 x 65 | | | |
| | 3.3 | Tyre size, rear | | mm Ø 75 x 95 / Ø 75 x 75 | | | |
| | 3.4 | Additional wheels (dimensions) | | mm Ø 100 x 40 | | | |
| | 3.5 | Wheels, number front/rear (x = driven wheels) | | 1x +2 / 2 or 4 | | | |
| | 3.6 | Tread width, front | b ₁₀ mm | 508 | | | |
| | 3.7 | Tread width, rear | b ₁₁ mm | 365 | | | |
| Basic dimensions | 4.2 | Mast height (lowered) | | h ₁ mm | 1,865 | 955 | 1,865 |
| | 4.3 | Free lift | | h ₂ mm | 1,520 | 600 | 1,520 |
| | 4.4 | Lift | | h ₃ mm | 1,520 | 600 | 1,520 |
| | 4.5 | Extended mast height | | h ₄ mm | 1,987 | 1,077 | 1,987 |
| | 4.6 | Initial lift | | h ₅ mm | 122 | | |
| | 4.9 | Height of tiller in drive position min. / max. | | h ₁₄ mm | 797 / 1,313 | | |
| | 4.15 | Height, lowered | | h ₁₃ mm | 86 | | |
| | 4.19 | Overall length | | l ₁ mm | 1,748 | 1,748 | 1,818 |
| | 4.20 | Length to face of forks | | l ₂ mm | 558 | 558 | 628 |
| | 4.21 | Overall width | | b ₁ /b ₂ mm | 726 | | |
| | 4.22 | Fork dimensions | | s/e/l mm | 56 / 185 / 1,190 | | |
| | 4.25 | Width across forks | | b ₅ mm | 550 | | |
| | 4.32 | Ground clearance, centre of wheelbase | | m ₂ mm | 20 | | |
| 4.33 | Aisle width for pallets 1000 x 1200 crossways | | Ast mm | 1,948 ²⁾ | 1,948 ²⁾ | 2,018 ²⁾ | |
| 4.34 | Aisle width for pallets 800 x 1200 lengthways | | Ast mm | 1,958 ¹⁾ | 1,958 ¹⁾ | 2,028 ¹⁾ | |
| 4.35 | Turning radius | | W _a mm | 1,452 ⁵⁾ | 1,452 ⁵⁾ | 1,522 ⁵⁾ | |
| Performance data | 5.1 | Travel speed, laden/unladen | | km/h | 6 / 6 | | |
| | 5.2 | Lift speed, laden/unladen | | m/s | 0.18 / 0.3 | | |
| | 5.3 | Lowering speed, laden/unladen | | m/s | 0.19 / 0.19 | | |
| | 5.7 | Gradeability, laden/unladen | | % | 8 / 15 | | |
| | 5.10 | Service brake | | | regenerative | | |
| Electrics | 6.1 | Drive motor, output S2 60 min. | | kW | 1.0 | | |
| | 6.2 | Lift motor, output at S3 15% | | kW | 1.2 | | |
| | 6.3 | Battery as per DIN 43531/35/36 A, B, C, no | | | 43535 B | | |
| | 6.4 | Battery voltage/nominal capacity K5 | | V/Ah | 24 / 40 | 24 / 40 | 24 / 150 |
| | 6.5 | Battery weight | | kg | 17 | 17 | 151 |
| | 6.6 | Energy consumption as per EN 16796 | | kWh/h | 0.43 | 0.43 | 0.58 |
| | CO- Equivalent as per EN 16796 | | kg/h | 0.2 | 0.2 | 0.3 | |
| Misc. | 8.1 | Type of drive control | | | AC speedCONTROL | | |
| | 8.4 | Sound pressure level at operator's ear as per EN 12053 | | dB (A) | 64 | | |

¹⁾ Diagonal as per VDI: + 198 mm

²⁾ Diagonal as per VDI: + 313 mm

³⁾ In double-deck operation: Mast lift max. 0.75 t / overall load max. 1.5 t

⁴⁾ In double-deck operation: Mast lift max. 0.8 t / overall load max. 1.8 t

⁵⁾ Raised load section, when load section lowered + 48 mm

Benefit from the advantages



Double-deck operation: Loading of two pallets one above the other



Optimum view of the forks and surrounding areas



Short mast of the EMD 115i for ergonomic order picking up to a height of 690 mm



Easy charging at any 230 V mains socket thanks to built-in charger

Flexible application

The integrated support arm lift and permanently connected ProTracLink support wheels make the EMD a flexible truck for universal use:

- Ideal in pallet truck applications over short transport distances with loads up to 2000 kg.
- Efficient as a double-deck truck for transporting two Euro pallets stacked on top of each other (support arm lift 1000 kg/mast lift 800 kg).
- Can be used as a stacker truck for light stacking tasks up to a height of 1520 mm.

Working safety in very confined spaces

With its compact dimensions, the EMD is ideal in confined spaces and will suit almost any application:

- Unobtrusive and reliable handling in shops with public traffic, thanks to very short front-end length and narrow aisle width.
- Optimum mast design with integrated viewing window and special shape of the battery lid for optimum view of the load.
- Low service weight for use in a delivery truck, on intermediate floors or in a lift.

Optimum pallet handling

Numerous performance features make stacking and retrieving with the EMD particularly safe and efficient, including:

- Precise and gentle lifting of the load by speed-controlled hydraulic motor.
- Gentle depositing of loads using proportional hydraulics (optional).
- Long safety tiller provides sufficient distance between operator and truck.
- Optimum view of the fork tips, even for short operators.

Stable handling

The sprung, hydraulically cushioned support wheels of the EMD, connected via the patented ProTracLink torsion bar, distributes the force depending on the situation. This suggests applications on a loading ramp and the loading/unloading of HGVs.

Fully informed at all times

The 2-inch display (optional) used as central display and adjustment instrument offers the user control at a glance:

- Battery charge status, number of operating hours and event messages.
- Choice of 3 travel programs.
- Activation of the truck by EasyAccess via softkey, PIN code or optional transponder card.

All-round worry-free performance thanks to lithium-ion technology

The EMD offers a choice of a 40-Ah lithium-ion battery box (EMD 115i) or a 110-Ah lithium-ion battery (optional on EMD 118):

- Usage times of up to three hours with 40-Ah battery box (EMD 115i).
- Boost charging: The battery can be charged to 50% with just 30 minutes of boost charging, while a full charge is achieved after 80 minutes.
- No battery exchange required.
- Dielectric strength ensures full performance at all times.
- Cost savings due to longer service life and low maintenance compared with lead-acid batteries.
- No charging rooms and ventilation required as there is no build up of gas.
- Easy charging at any 230 V mains socket thanks to built-in charger.

Additional equipment

A comprehensive range of accessories allows for individual adaptation to your application:

- Tandem load rollers.
- Silent load rollers.
- Load guard.
- Cold store version.
- silentDRIVE for quiet operation.

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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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