

Flexible operation even
on small ramps and
uneven ground

Outstanding ergonomics with
multi-functional tiller head

Compact and manoeuvrable

Integrated charger with
13 Amp plug socket
for easy charging

Gentle load depositing through
gentle lowering (optional)



EMC 110 with ramp comfort

Electric pedestrian stacker (1,000 kg)

Our EMC 110 electric pedestrian stacker with ramp comfort feature combines performance capability, user friendliness and safety for the operator in one truck. It offers a wide range of options for almost all applications. Best example: The sorting of goods in racking or feeding them onto a machine. The palletised goods are simply raised to the required height from which they can be stored or removed from the pallet without having to bend or strain.

Ergonomic and technical advantages make the EMC especially easy to handle:

- The long tiller requires little steering effort and increases safety.
- The precise lowering function (optional) ensures gentle depositing of especially delicate materials in the racking or on the floor.

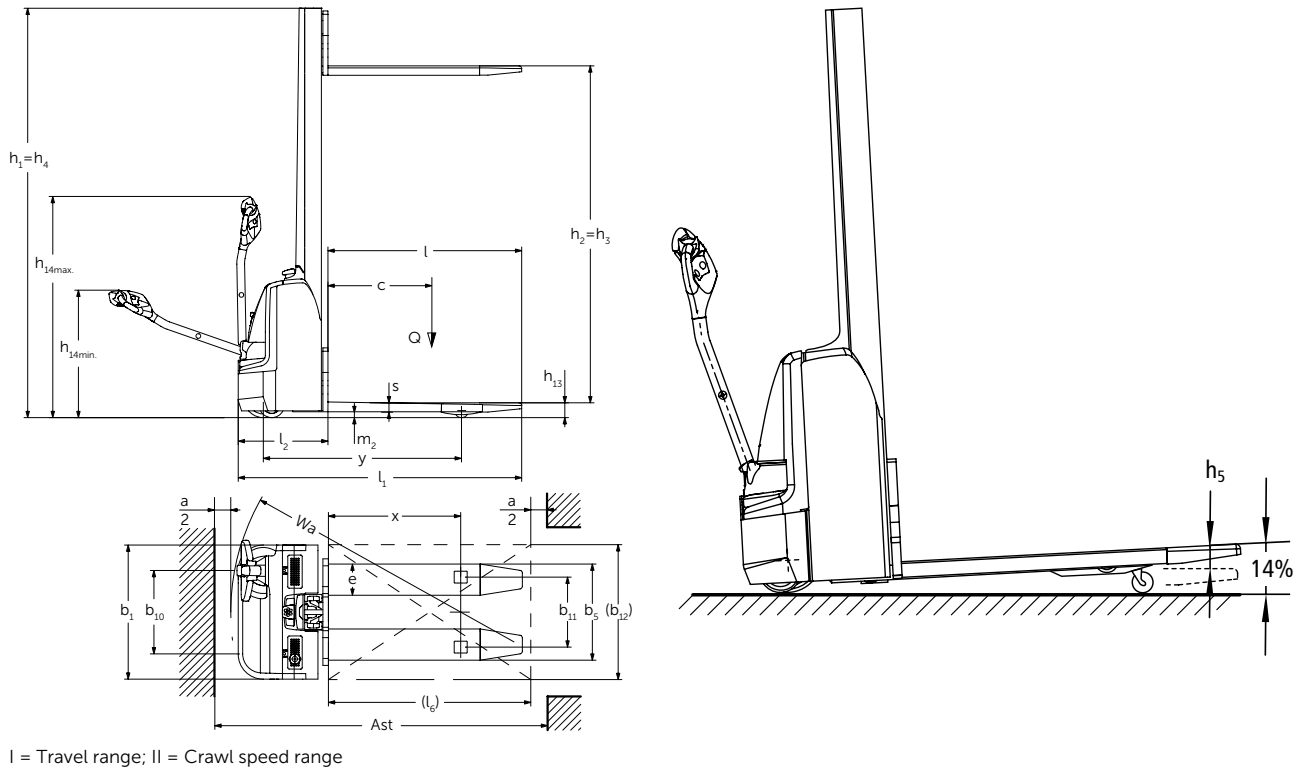
The ramp comfort feature activates a simple support arm lift.

This increases the ground clearance significantly – in particular around the front support arm. The advantage: Easy crossing of thresholds, uneven surfaces or small ramps without grounding. All travel and lifting functions are controlled effortlessly by the multifunctional tiller without having to stretch. The crawl speed button enables the truck to travel with the tiller upright in even the most restricted conditions.

The EMC also offers easy handling in terms of energy: The maintenance-free 70-Ah block batteries can be recharged by connecting the built-in charger to any standard 230 V mains socket. The battery discharge indicator continually displays the battery charge status.

The innovative 3-phase AC drive motor provides outstanding performance for this truck category, providing ideal conditions for efficient and economic operation.

EMC 110 with ramp comfort



Technical data in line with VDI 2198

Identification	1.1	Manufacturer (abbreviation)		Jungheinrich
	1.2	Model		EMC 110 RK
	1.3	Drive		Electric
	1.4	Manual, pedestrian, stand-on, seated, order picker operation		pedestrian
	1.5	Load capacity/rated load	Q t	1
	1.6	Load centre distance	c mm	600
	1.8	Load distance	x mm	784
	1.9	Wheelbase	y mm	1,168
	Weights	2.1.1	Net weight incl. battery (see row 6.5)	kg
2.2		Axle load with load front/rear	kg	510 / 1,000
2.3		Axle load without load front/rear	kg	360 / 150
Wheels / frame	3.1	Tyres		PU / Pevopur
	3.2	Tyre size, front	mm	Ø 230 x 70
	3.3	Tyre size, rear	mm	Ø 85x85
	3.4	Additional wheels (dimensions)	mm	Ø 150 x 54
	3.5	Wheels, number front/rear (x = driven wheels)		1x +1/2
	3.6	Tread width, front	b ₁₀ mm	510
	3.7	Tread width, rear	b ₁₁ mm	415
Basic dimensions	4.2	Mast height (lowered)	h ₁ mm	1,970 ¹⁾
	4.3	Free lift	h ₂ mm	1,540 ¹⁾
	4.4	Lift	h ₃ mm	1,540 ¹⁾
	4.5	Extended mast height	h ₄ mm	1,970 ¹⁾
	4.9	Height of tiller in drive position min. / max.	h ₁₄ mm	821 / 1,305
	4.15	Height, lowered	h ₁₃ mm	88
	4.19	Overall length	l ₁ mm	1,685
	4.20	Length to face of forks	l ₂ mm	535
	4.21	Overall width	b ₁ /b ₂ mm	800
	4.22	Fork dimensions	s/e/l mm	56 / 185 / 1,150
	4.25	Width across forks	b ₅ mm	570
	4.32	Ground clearance, centre of wheelbase	m ₂ mm	30
	4.33	Aisle width for pallets 1000 x 1200 sideways	Ast mm	1,945 ²⁾
4.34	Aisle width for pallets 800 x 1200 lengthways	Ast mm	1,995 ³⁾	
4.35	Turning radius	W _a mm	1,378	
Performance data	5.1	Travel speed, laden/unladen	km/h	4.2 / 5
	5.2	Lift speed, laden/unladen	m/s	0.09 / 0.16
	5.3	Lowering speed, laden/unladen	m/s	0.12 / 0.13
	5.7	Gradeability laden/unladen	%	3.5 / 15
	5.10	Service brake		regenerative
Electrics	6.1	Drive motor, output S2 60 min.	kW	0.5
	6.2	Lift motor rating at S3 10%	kW	1.5
	6.3	Battery as per DIN 43531 /35/36 A, B, C, no		no
	6.4	Battery voltage/nominal capacity K5	V/Ah	24 / 70
	6.5	Battery weight	kg	63
	6.6	Energy consumption according to VDI cycle	kWh/h	0.55
Misc.	8.4	Sound pressure level at operator's ear as per EN 12053	dB (A)	70

¹⁾ Diagonal in accordance with VDI: + 159 mm

²⁾ Diagonal in accordance with VDI: + 262 mm

³⁾ High mast version: + 460 mm

Benefit from the advantages



All travel and lift functions are in the ergonomic multi-functional tiller head.



New 2" enlarged truck display



Use as lifting table for loading with ease.



New 2" enlarged truck display

Safe and comfortable stacking and retrieval

All lifting and lowering functions are conveniently controlled from the multi-functional tiller arm. This allows the operator to concentrate fully on stacking and retrieving. Other features that make stacking and retrieving particularly safe and efficient include:

- Precise and gentle depositing of loads into the racking system or on the floor. The lowering speed is electrohydraulically and precisely controlled (in 2 stages) via a button on the tiller arm (optional).
- Rapid operation with high lift speed.
- Automatic adjustment of the lift height with intelligent lift positioning (optional).

Ramp comfort for uneven floors and gradients

Two heavy-duty cylinders increase ground clearance below the critical support arm areas. The slight backward tilt of the truck brings the load into a safe and stable position. This allows the EMC to negotiate thresholds, undulating

gradients and uneven floors.

Working in very confined spaces

The EMC is an especially compact pedestrian stacker. The particularly short chassis length and low weight allow for use in extremely confined spaces, in the lift and on mezzanines. The EMC is also equipped with a crawl speed button. A press of the button is all that's needed for the EMC to manoeuvre safely, even with the tiller up right.

Work ergonomically

The tiller head is perfectly adapted to the ergonomic needs of the operator:

- Colour coding for intuitive operation and buttons with wear-resistant icons.
- Grip angle to suit the hand position of the operator.
- Rocker switch for consistent operation in all tiller positions.
- Horn button positioned in the centre of the tiller for ease of access.
- Also used as a lift platform for reducing stress on the operator's back when loading.

Reduced maintenance costs

Service-friendly components ensure lower maintenance costs in the long-term:

- Maintenance-free 3-phase AC drive motor.
- Rapid access to all components via a one-piece front panel.

Long operating times

The battery, when used together with the energy-saving 3-phase AC system, gives long operating times.

- Maintenance-free 24 volt /70 Ah block batteries (gel technology).
- Integrated 230 volt /10 A charger for easy charging at any 13 Amp plug socket.

Additional equipment

- 2-inch truck display including discharge indicator and hour meter.
- EasyAccess PIN code activation (instead of key switch) and automatic shut-off function.
- EasyAccess transponder for fast access with transponder card.
- ISO fork carriage.

مجموعة الجذور
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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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