

Flexible operation on small ramps and uneven ground

excellent ergonomics

Compact and manoeuvrable

Built-in charger



## EMC 110 with ramp comfort

### Electric pedestrian controlled truck (1,000 kg)

Our EMC 110 electric pedestrian controlled truck with ramp comfort feature, combines performance capability, user friendliness and safety for the operator in one truck. It offers a variety of features for almost every application, such as the sorting goods in racking or feeding them onto a machine. Palletised goods are simply raised to the required picking height. Then they can be deposited into the racking or removed from the pallet without placing stress on the operator's back.

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

- The long tiller provides the operator with low operating forces and a high safety factor.
- The sensitive 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.

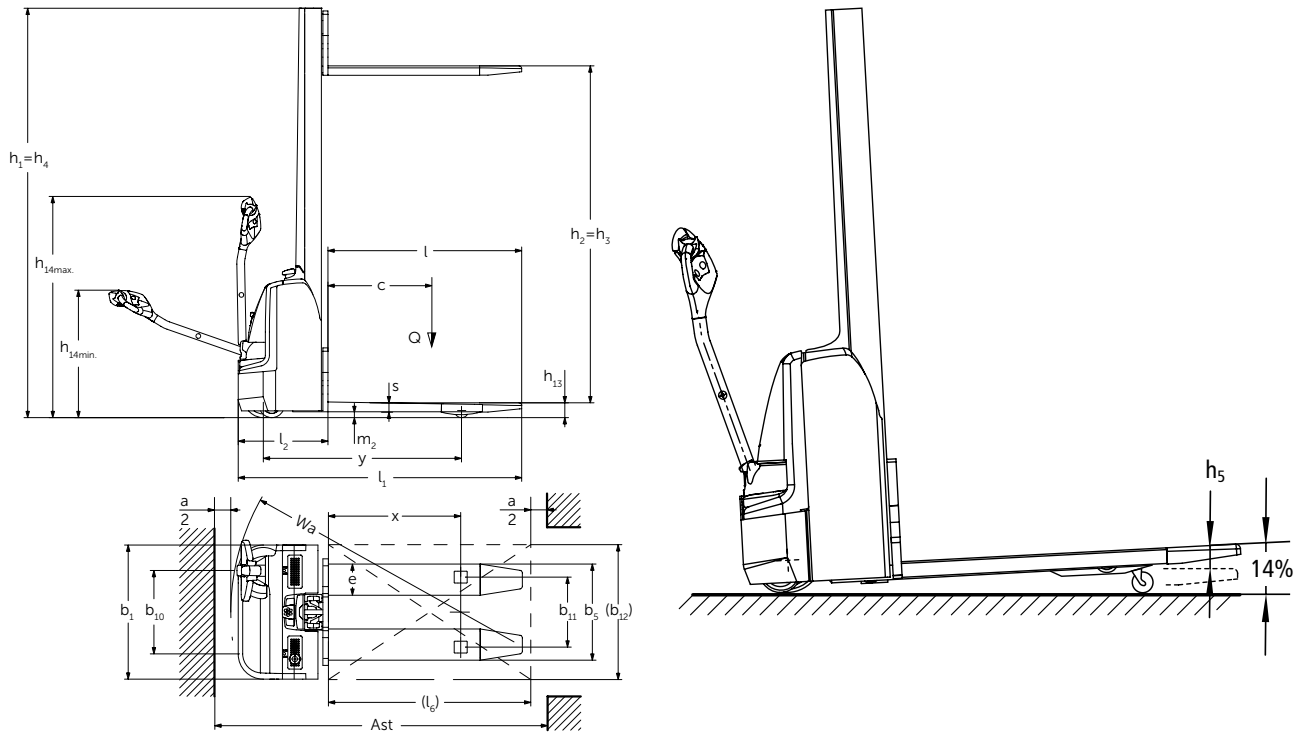
All drive and lift functions are easily accessible from the multi-functional tiller arm without having to reach around. The crawl speed button allows the truck to operate even in very confined spaces with the tiller upright.

The EMC also offers impressive features for easy power management: The maintenance-free 70-Ah block batteries can be recharged simply by connecting the integrated charger to any 230-V mains socket. The battery discharge indicator continually displays the charge status of the battery.

The innovative 3-phase AC drive motor gives outstanding performance in this truck class and creates ideal conditions for efficient, productive work.

**JUNGHEINRICH**

# EMC 110 with ramp comfort



I = Normal travel position; II = Crawl speed travel position



# Technical data in line with VDI 2198

Identification	1.1	Manufacturer (abbreviation)		Jungheinrich
	1.2	Model		<b>EMC 110 RK</b>
	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 loading, laden front/rear	kg	510 / 1,000
2.3		Axle loading, unladen 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 <sub>10</sub> mm	510
	3.7	Tread width, rear	b <sub>11</sub> mm	415
Basic dimensions	4.2	Mast height (lowered)	h <sub>1</sub> mm	1,970 <sup>1)</sup>
	4.3	Free lift	h <sub>2</sub> mm	1,540 <sup>1)</sup>
	4.4	Lift	h <sub>3</sub> mm	1,540 <sup>1)</sup>
	4.5	Extended mast height	h <sub>4</sub> mm	1,970 <sup>1)</sup>
	4.9	Height of tiller in drive position min. / max.	h <sub>14</sub> mm	821 / 1,305
	4.15	Height, lowered	h <sub>13</sub> mm	88
	4.19	Overall length	l <sub>1</sub> mm	1,685
	4.20	Length to face of forks	l <sub>2</sub> mm	535
	4.21	Overall width	b <sub>1</sub> /b <sub>2</sub> mm	800
	4.22	Fork dimensions	s/e/l mm	56 / 185 / 1,150
	4.25	Width across forks	b <sub>5</sub> mm	570
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> mm	30
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast mm	1,945 <sup>2)</sup>
4.34	Aisle width for pallets 800 x 1200 lengthways	Ast mm	1,995 <sup>3)</sup>	
4.35	Turning radius	W <sub>a</sub> 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, output 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

<sup>1)</sup> Diagonal as per VDI: + 159 mm

<sup>2)</sup> Diagonal as per VDI: + 262 mm

<sup>3)</sup> High mast version: + 460 mm

# Benefit from the advantages



All travel and lift functions in the ergonomic multifunctional tiller arm.



New enlarged 2" truck display



Use as lift platform for ergonomic loading.

## Safe and comfortable stacking and retrieval

All lifting and lowering functions are conveniently controlled from the multifunctional 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 electro-hydraulically and precisely controlled (in 2 stages) via a button on the tiller arm (optional). High lifting speed increases productivity.

## Ramp comfort for uneven floors and gradients

2 robust cylinders increase the ground clearance under the support arms. The truck tips back slightly, ensuring that the load has a secure centre of gravity; this allows the EMC to also be used on thresholds, gradients and uneven ground.

## Working in very confined spaces

The EMC is an especially compact pedestrian controlled truck. The par-

ticularly short front-end 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 – enabling it to be manoeuvred safely even with the tiller upright.

## Work ergonomically

Tiller arm optimally adapted to the ergonomic needs of the operator:

- Colour coding for intuitive operation and buttons with wear-resistant icons.
- Grip position optimally adapted to the operator's hand posture.
- 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.
- One-piece front cover provides quick access to all components.

## Long operating times

The battery, when used together with the energy-saving 3-phase AC technology, ensures long operating times:

- Maintenance-free 24-V / 70-Ah block batteries in gel technology.
- Integrated 230-V / 10-A charger for easy charging at any 230-V mains socket.

## Additional equipment

- 2-inch truck display incl. 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.

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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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