Pallet truck with
additional mast lift

Powerful, maintenance-free
3-phase AC drive motor

Manoeuvrable and compact

Full manoeuvrability
with upright tiller

LI-ION technology



EJE C20

Electric pedestrian pallet truck (2,000 kg)

The EJE C20 is a low lift truck which can also be used for order picking and light stacking operations. In addition to the support arm lift, the load can be raised to an overall height of 752 mm via a simplex mast contained in the battery compartment. This allows the operator for example to pick goods at a comfortable height.

Light stacking operations, such as stacking half Euro pallets, can be easily undertaken with the separate support arm and mast lift (optional). The support arm lift capacity is 2000 kg while the mast lift capacity is 700 kg.

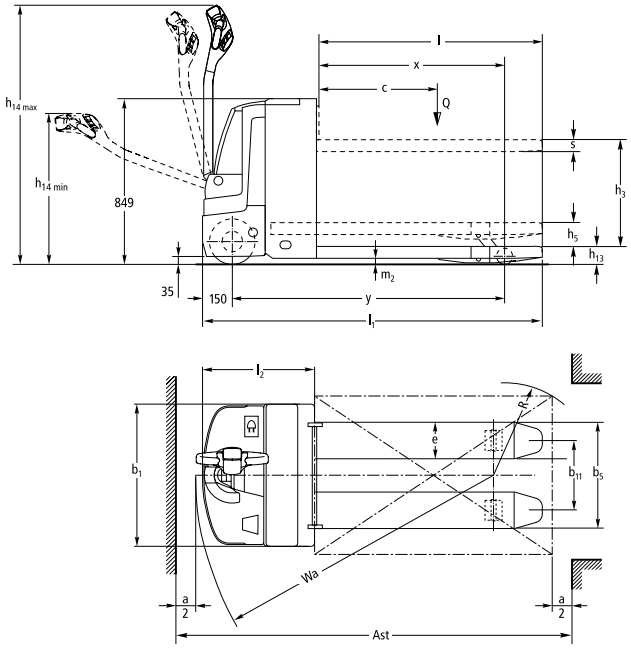
Another plus is the maintenance-free drive motor with 3-phase AC technology. It offers strong acceleration and high speed in any situation with low consumption values – the best conditions for fast and efficient goods throughput.

The low-mounted, long tiller ensures the truck maintains a safe distance from the operator. Especially when cornering, the EJE C20 maintains an adequate distance. The crawl speed button allows safe travel with a vertical tiller. At the touch of a button, the brake is released and activation of the travel switch automatically reduces the speed of travel significantly.

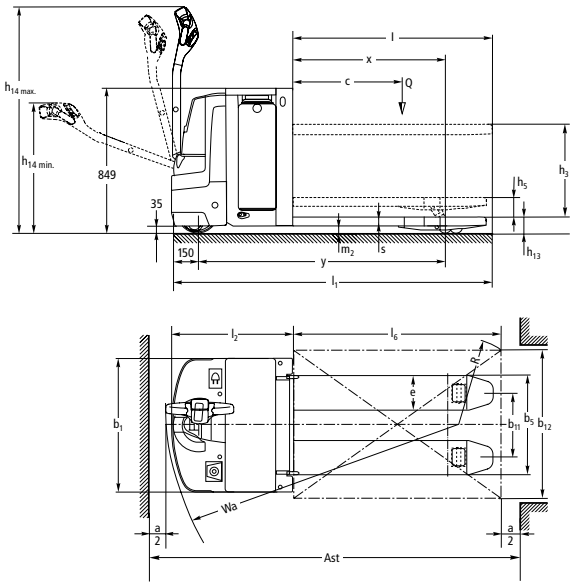
The multi-functional tiller arm is full of innovations: Sealed sensor system (IP 65) for maximum breakdown protection, rocker switches with contactless electronics for precise operation in any tiller position, ergonomically arranged switches.

JUNGHEINRICH

EJE C20



Vertical battery exchange



Lateral battery exchange



Technical data in line with VDI 2198

Identification	1.1	Manufacturer (abbreviation)			Jungheinrich
	1.2	Model			**EJE C20**
	1.3	Drive			Electric
	1.4	Manual, pedestrian, stand-on, seated, order picker operation			pedestrian
	1.5	Load capacity/rated load	Q	t	2
	1.5.1	Load capacity/load with mast lift	Q	t	0.7
	1.5.2	Load capacity/load with support arm lift	Q	t	2
	1.6	Load centre distance	c	mm	600
	1.8	Load distance	x	mm	903[3]
	1.9	Wheelbase	y	mm	1,480[3]
Weights	2.1.1	Net weight incl. battery (see row 6.5)		kg	555
	2.2	Axle loading, laden front/rear		kg	860 / 1,695
	2.3	Axle loading, unladen front/rear		kg	425 / 130
Wheels / frame	3.1	Tyres			PU/PU
	3.2	Tyre size, front		mm	Ø 230 x 70
	3.3	Tyre size, rear		mm	Ø 82 x 100
	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	343
Basic dimensions	4.4	Lift	h_3	mm	540
	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	90
	4.19	Overall length	l_1	mm	1,734
	4.20	Length to face of forks	l_2	mm	584
	4.21	Overall width	b_1/b_2	mm	720
	4.22	Fork dimensions	s/e/l	mm	60 / 187 / 1,150
	4.25	Width across forks	b_5	mm	540
	4.32	Ground clearance, centre of wheelbase	m_2	mm	30
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast	mm	1,968[2]
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast	mm	2,018[1]
	4.35	Turning radius	W_a	mm	1,521[3]
Performance data	5.1	Travel speed, laden/unladen		km/h	6 / 6
	5.2	Lift speed, laden/unladen		m/s	0.12 / 0.17
	5.3	Lowering speed, laden/unladen		m/s	0.13 / 0.2
	5.8	Max. gradeability, laden/unladen		%	8 / 20
	5.10	Service brake			electric
Electrics	6.1	Drive motor, output S2 60 min.		kW	1.0
	6.2	Lift motor, output at S3 10%		kW	1.2
	6.3	Battery as per DIN 43531/35/36 A, B, C, no			nein/B
	6.4	Battery voltage/nominal capacity K5		V/Ah	24 / 150
	6.5	Battery weight		kg	151
	6.6	Energy consumption as per EN 16796		kWh/h	0.44
		CO- Equivalent as per EN 16796		kg/h	0.2
Misc.	8.1	Type of drive control			AC speedCONTROL
	8.4	Sound pressure level at operator's ear as per EN 12053		dB (A)	70

[1] Load section lowered: + 55 mm; Diagonal to VDI + 202 mm
[2] Load section lowered: + 55 mm; Diagonal to VDI + 367 mm
[3] Load section raised / lowered: + 55 mm

In accordance with VDI Guideline 2198 this data sheet provides details of the standard truck only. Non-standard tyres, different masts, optional equipment, etc. may result in different values.

Benefit from the advantages



In operation in stores

Innovative 3-phase AC technology

Jungheinrich three-phase AC motors offer higher performance while simultaneously reducing running costs:

- High efficiency levels with excellent energy management.
- Powerful acceleration.
- Stepless smooth control of travel speed via the travel switch.
- Rapid direction change.
- No carbon brushes – maintenance-free drive motor.
- 2-year warranty on the drive motor.

Optimum cornering

Sprung and cushioned support wheels – linked via the ProTracLink torsion bar – distribute equalising forces dependent on travel conditions i.e. evenly across all wheels during straight-line travel; concentrated on the outer support wheel during cornering.

Fully informed at all times

Extensive instruments and setting options offer control at a glance:

- Discharge indicator (3-colour LED) with lift cutout.
- Adjustable travel parameters via CanDis and CanCode (optional).
- CanDis information display (optional) with additional service hour display and service data storage.
- Activation of truck via PIN and selection of 3 travel programs via CanCode (optional).

Travelling in comfort

The SpeedControl impulse control system facilitates comfortable, safe travel:

- The speed set by the drive switch is maintained under all travel conditions – even on gradients / descents.
- Automatic braking in the event of unintentional rolling on ramps.
- Individually adjustable travel parameters (acceleration, top speed, motor brake) facilitate optimum adjustment to suit any requirement.
- 3 different travel programs can be selected (optional).
- Energy recovery due to regenerative braking when decelerating.
- Very low noise level during travel.

Lower maintenance costs

Significantly lower operating costs in the long term:

- Maintenance-free 3-phase AC drive motor without carbon brushes.
- Easy access to all components through 1-piece front cover secured by only 2 screws.
- Excellent protection against dust and humidity through IP 54 enclosure of controller and plugs.
- Reduced support wheel wear when approaching ramps at an angle thanks to level equalisation – a mechanical link keeps both support wheels at the same height, ensuring no impact from the lower support wheel and therefore no more damage.

Optimum pallet handling

- Side entry into empty euro or closed pallets with enclosed skids on both fork tips.
- Separate control of mast and support arm lift for removal
- semi / quarter pallets from Euro pallets (optional).

Professional battery management

The energy-saving 3-phase AC technology – in combination with battery capacities of up to 250 Ah –is the best guarantee for long operating times:

- 2 PzB 200 Ah batteries for vertical battery exchange.
- Lateral battery exchange (optional) for 2 PzB 250 Ah batteries.
- Built-in charger (24 V/30 A for wet cell batteries and maintenance-free batteries) for easy charging at any mains socket (optional).

Additional equipment

- Writing pad with light.
- Load guard.
- Straightforward release of the brake with special key switch.
- Cold store version.

Lithium-ion technology

- High degree of availability thanks to extremely short charging times.
- No battery exchange required.
- 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.
- Longer service life with 5-year Jungheinrich guarantee.

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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. CE

JUNGHEINRICH

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