

Pedestrian controlled counterbalance truck

Compact and manoeuvrable

High performance with maintenance-free AC drive motor

Sensitive tiller operated lifting and lowering through speed-controlled hydraulic motor



EJK 106–112

Pedestrian controlled counterbalance truck (600–1200 kg)

The Jungheinrich EJK is a pedestrian controlled counterbalance truck which can be used wherever support arm stacker trucks cannot operate (e.g. lifting perimeter based pallets directly from the floor, special load sizes, racking with collision protection). With an overall width of just 910 mm and a high degree of manoeuvrability, the truck can also be operated with ease in confined warehouse areas.

As a flexible truck the EJK offers many advantages:

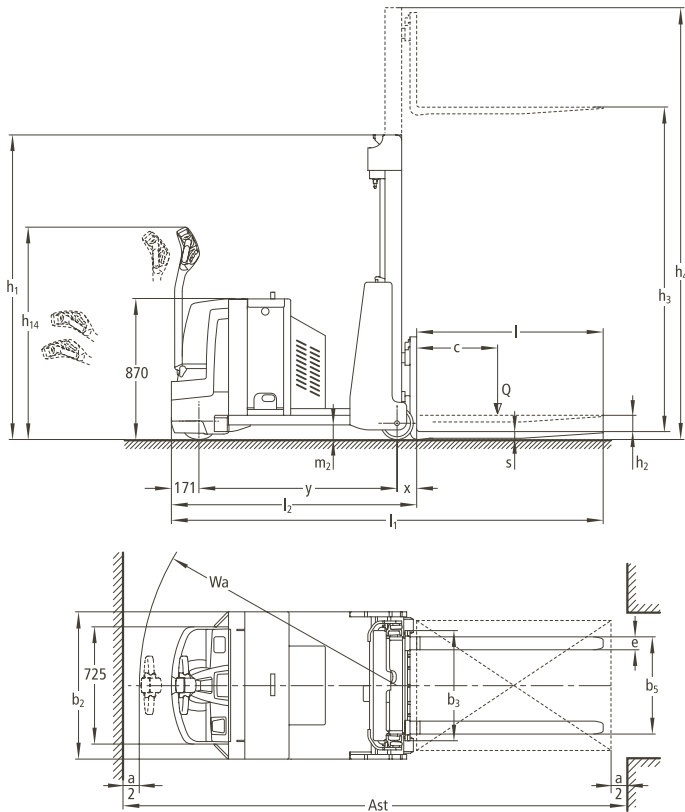
- Extremely sturdy chassis and load section.
- High ground clearance and large load wheels for comfortable travel on uneven ground.
- Sensitive lifting and lowering.
- Excellent energy management.

Also there are ergonomic benefits:

- The bottom mounted, long tiller ensures a safe clearance from the chassis for the operator.
- The crawl button assists in extremely confined areas. It allows the truck to travel at an automatically reduced speed with the tiller upright.

The EJK draws the required energy from batteries with up to 375 Ah capacity.

EJG 106-112



Mast table EJG				
Designation	Closed height h_1 mm	Free lift h_2 mm	Lift height h_3 mm	Extended height h_4 mm
Two-stage mast ZT	1880	100	2500	3100
	1980	100	2700	3300
	2080	100	2900	3500
	2230	100	3200	3800
	2430	100	3600	4200
Two-stage mast ZZ	1830	1227	2500	3100
	2030	1427	2900	3500
	2180	1577	3200	3800
	2380	1777	3600	4200

Technical data in line with VDI 2198 as at: 02/2009

Identification	1.1	Manufacturer (abbreviation)	Jungheinrich	Jungheinrich	Jungheinrich	Jungheinrich	1.1	
	1.2	Manufacturer's type designation	EJG 106	EJG 108	EJG 110	EJG 112	1.2	
	1.3	Drive	electric	electric	electric	electric	1.3	
	1.4	Operator type	pedestrian	pedestrian	pedestrian	pedestrian	1.4	
	1.5	Load capacity/rated load	Q (t)	0.6	0.8	1.0	1.2	1.5
	1.6	Load centre distance	c (mm)	500	500	500	500	1.6
	1.8	Load distance, centre of drive axle to fork	x (mm)	120	120	120	120	1.8
	1.9	Wheelbase	y (mm)	960	1090	1220	1350	1.9
	Weights	2.1	Service weight incl. battery (see line 6.5)	kg	1980	2045	2110	2175
2.2		Axle loading, laden front/rear	kg	550/2030	550/2295	550/2560	550/2825	2.2
2.3		Axle loading, unladen front/rear	kg	1000/980	1030/1015	1070/1040	1100/1075	2.3
Wheels, Chassis	3.1	Tyres	PU/Vulkollan®	PU/Vulkollan®	PU/Vulkollan®	PU/Vulkollan®	3.1	
	3.2	Tyre size, front	230x70	230x70	230x70	230x70	3.2	
	3.3	Tyre size, rear	200x100	200x100	200x100	200x100	3.3	
	3.5	Wheels, number front rear (x = driven wheels)	1x/2	1x/2	1x/2	1x/2	3.5	
Basic Dimensions	4.2	Closed mast height	h ₁ (mm)	1880	1880	1880	1880	4.2
	4.3	Free lift	h ₂ (mm)	100	100	100	100	4.3
	4.4	Lift	h ₃ (mm)	2500	2500	2500	2500	4.4
	4.9	Height of tiller in drive position min./max.	h ₁₄ (mm)	865/1320	865/1320	865/1320	865/1320	4.9
	4.15	Height, lowered	h ₁₃ (mm)	50	50	50	50	4.15
	4.19	Overall length	l ₁ (mm)	2400	2530	2660	2790	4.19
	4.20	Length to face of forks	l ₂ (mm)	1250	1380	1510	1640	4.20
	4.21	Overall width	b ₁ /b ₂ (mm)	910/-	910/-	910/-	910/-	4.21
	4.22	Fork dimensions	s/e/l (mm)	40/80/1150	40/80/1150	40/80/1150	40/80/1150	4.22
	4.24	Fork-carriage width	b ₃ (mm)	680	680	680	680	4.24
	4.31	Ground clearance, laden, below mast	m ₁ (mm)	60	60	60	60	4.31
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	90	90	90	90	4.32
	4.34	Aisle width for pallets 800x1200 lengthways	Ast (mm)	2730	2860	2990	3120	4.34
4.35	Turning radius	Wa (mm)	1180	1310	1440	1570	4.35	
Performance Data	5.1	Travel speed, laden/unladen	km/h	4.6/5.2	4.6/5.2	4.6/5.2	4.6/5.2	5.1
	5.2	Lift speed, laden/unladen	m/s	0.13/0.20	0.13/0.20	0.13/0.20	0.13/0.20	5.2
	5.3	Lowering speed, laden/unladen	m/s	0.43/0.40	0.43/0.40	0.43/0.40	0.43/0.40	5.3
	5.10	Service brake		electric	electric	electric	electric	5.10
E-Motor	6.1	Drive motor rating S ₂ 60 min.	kW	1	1	1	1	6.1
	6.2	Lift motor rating at S ₃ 10%	kW	1.7	1.7	1.7	1.7	6.2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		A	A	A	A	6.3
	6.4	Battery voltage, nominal capacityt K ₅	V/Ah	24/375	24/375	24/375	24/375	6.4
	6.5	Battery weight	kg	306	306	306	306	6.5
Others	8.1	Type of drive control		AC SpeedControl	AC SpeedControl	AC SpeedControl	AC SpeedControl	8.1

Make use of the advantages

Innovative AC technology

Jungheinrich AC motors offer higher performance and reduce running costs:

- High efficiency levels with excellent energy management.
- Rapid and smooth acceleration.
- Fast change of direction.
- No carbon brushes – the drive motor is maintenance-free.
- Two-year warranty on the drive motor.



Lifting perimeter based pallets directly from the floor – no problem for the EJK

Counterbalanced stacking

- The counterbalance design without interference from support arms enables perimeter based pallets and special load sizes to be used.
- The generous ground clearance with 200 mm load wheels allows the truck to travel over uneven ground and low thresholds.
- The short overall length helps operation in confined areas.
- Precise, gentle load lowering through speed-controlled hydraulic motor.
- Gentle load lowering through proportional hydraulic system.



Excellent visibility through the mast

Work ergonomically

The newly designed tiller head is ideally suited to the ergonomic needs of the operator.



Ergonomic tiller head

- A clear colour coding system and buttons with non-marking symbols for intuitive operation.
- Grip angle to suit the hand position of the operator.
- Mechanical steering with bottom mounted tiller.

Batteries

- 3 EPzS 375 Ah.
- 3 PzB 300 Ah.

Readily available information

Extensive controls and setting options allow the operator to check at a glance:

- Combined discharge indicator (3 colour LED) with lift cutout and charge status display (for on-board charger).
- "CanDis" information display (optional) with additional hourmeter display and error code logging.
- PIN activation of truck and choice of 3 travel programmes through "CanCode" (optional).
- Adjustable travel parameters through CanDis and CanCode (optional).



Sideways battery exit (optional) and compact hydraulic unit

Reduced maintenance

AC systems provide a clear, long-term reduction in running costs:

- Maintenance-free drive motor with no carbon brushes.
- Easy access to all components.
- Solid protection against dust and humidity for example through IP 54 enclosure of the control system and connectors.

Jungheinrich UK Ltd.

Head Office:

Sherbourne House · Sherbourne Drive
Tilbrook · Milton Keynes MK7 8HX
Phone 01908 363100
Fax 01908 363180

info@jungheinrich.co.uk
www.jungheinrich.co.uk

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