

Maximum picking performance at lowest energy consumption

Most powerful drive motor for highest handling performance

Intuitive Handling with multifunctional steering wheel JetPilot

Individual options for a perfect workstation



ECE 220/225

Horizontal order picker (2500 kg)

Our ECE 220/225 with its 3.2 kW drive motor enables highest picking performance at the same time as an optimum of energy efficiency. The base for this is the combination of high technical performance and a variety of ergonomic advantages.

The strength of the ECE 220/225 fully comes to play with the drive program ECO-Mode and the assistance system Curve Control Plus (load weight and steer angle adaptive speed control): dynamic acceleration, safe cornering, and high top speed at the same time as optimal energy utilization.

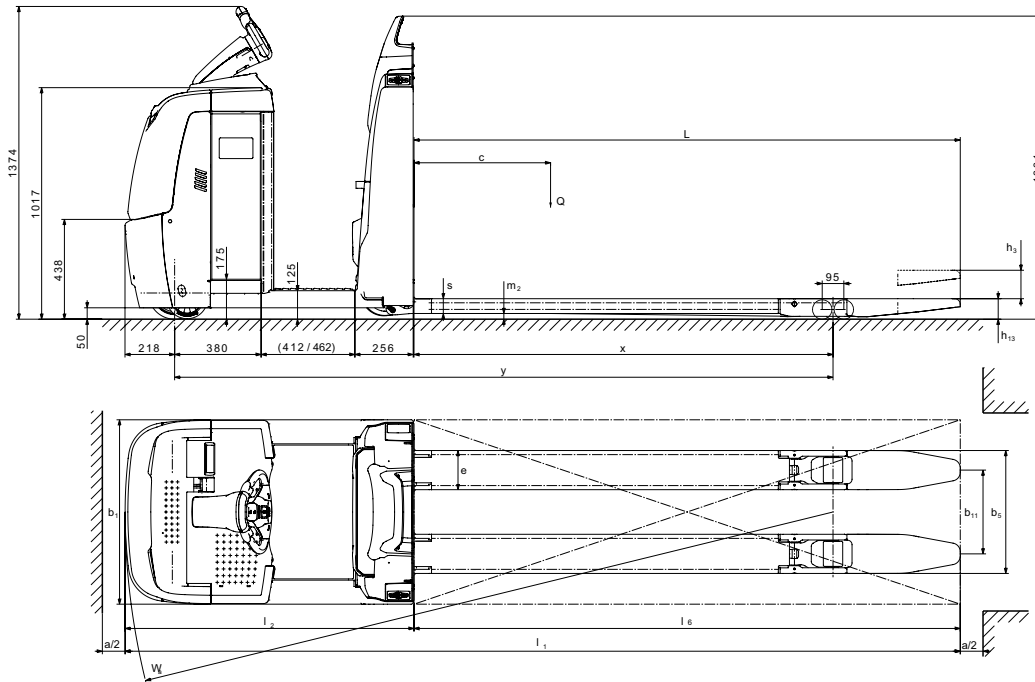
In addition we offer the advantages of a perfect workstation: The central workplace is characterized by optimal all-round visibility and reachability of all control elements and all attachments.

The multifunctional steering wheel JetPilot convinces with:

- Intuitive car like control, first class driving comfort and secure grip.
- Relief of neck and spine stress while cornering.
- One hand handling and automatic recentering of the steering wheel.
- Individual adjustability to the driver's body height.

The comfortable standard equipment and the wide options catalogue guarantee a perfect adjustment to all applications.

ECE 220/225



Fork length-dependent dimensions

Fork length l (mm)	Fork overhang (mm)	Capacity Q (t)	Overall length ^(2) 4) l1 (mm)	Wheelbase ^(1) 2) 4) y (mm)	Turning radius ^(1) 2) 4) Wa (mm)	Load distance ¹⁾ x (mm)	Working aisle width ^(1) 2) 4) Ast (mm)
1000	186	2.0 / 2.5 ³⁾	2266	1862	2080	814	2466
1150	186	2.0 / 2.5 ³⁾	2416	2012	2230	964	2616
1250	186	2.0 / 2.5 ³⁾	2516	2112	2330	1064	2716
1400	186	2.5	2666	2262	2480	1214	2866
1400	560	2.0 / 2.5 ³⁾	2666	1888	2106	840	2866
1450	560	2.0 / 2.5 ³⁾	2716	1938	2156	890	2916
1600	186	2.5	2866	2462	2680	1414	3066
1600	560	2.0 / 2.5 ³⁾	2866	2088	2306	1040	3066
1880	560	2.5	3146	2368	2586	1320	3346
1950	560	2.5	3216	2438	2656	1390	3416
2180	800	2.5	3446	2428	2646	1380	3646
2280	800	2.5	3546	2528	2746	1480	3746
2310	186	2.5	3576	3172	3390	2124	3776
2400	560	2.5	3666	2888	3106	1840	3866
2400	800	2.5	3666	2648	2866	1600	3866
2430	900	2.5	3696	2598	2796	1530	3896
2550	800	2.5	3816	2798	3016	1750	4016
2850	800	2.5	4116	3098	3316	2050	4316
2900	800	2.5	4166	3148	3366	2100	4366
3100	800	2.5	4366	3348	3566	2300	4566

1) With raised load section = value - 89 mm
 2) With configuration package extended platform = value + 50 mm
 3) With configuration package Drive Plus
 4) With battery compartment XL (24 V / 620 Ah) = value + 118 mm

Technical data in line with VDI 2798

Identification	1.1	Manufacturer (short form)		Jungheinrich	
	1.2	Model		ECE 220 / ECE 225	
	1.3	Drive		Electrics	
	1.4	Manual, pedestrian, stand-on, seated, order picker operation		order picker	
	1.5	Load capacity/rated load	Q	t	2.0 / 2.5
	1.6	Load centre distance	c	mm	1200
	1.8	Load distance	x	mm	1600 ¹⁾
	1.9	Wheelbase	y	mm	2648 ¹⁾
Weights	2.1.1	Net weight incl. battery (see row 6.5)		kg	973
	2.2	Axle load, w. load, front/rear		kg	1087 / 2420
	2.3	Axle load, w.o. load, front/rear		kg	751 / 222
Wheels / chassis	3.1	Tyres			Vulkollan®
	3.2	Tyre size, at front		mm	Ø 230 x 78
	3.3	Tyre size, at rear		mm	Ø 85 x 85
	3.4	Additional wheels (dimensions)		mm	Ø 180 x 65
	3.5	Wheels, number front/rear (x = driven wheels)			1 + 1x / 4
	3.6	Track width, front	b10	mm	481
	3.7	Track width, rear	b11	mm	338 / 368 / 498
Basic dimensions	4.4	Lift	h3	(mm)	125
	4.9	Height of tiller in drive position min./max.	h14	(mm)	1374 / 1418
	4.15	Lowered height	h13	(mm)	90
	4.19	Overall length	l1	(mm)	3666
	4.20	Length incl. back of forks	l2	(mm)	1266
	4.21	Total width	b1/b2	(mm)	810
	4.22	Fork dimensions	s/e/l	(mm)	65 / 172 / 2400
	4.25	Width over forks	b5	(mm)	510 / 540 / 660
	4.32	Floor clearance centre wheelbase	m2	(mm)	25
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast	(mm)	3866 ²⁾
4.35	Turning radius	Wa	(mm)	2866	
Performance data	5.1	Travel speed, w./w.o. load		km/h	9.5 / 12.5 / 14.0 ³⁾
	5.2	Lift speed, w./w.o. load		m/s	0.07 / 0.11
	5.3	Lower speed, w./w.o. load		m/s	0.08 / 0.06
	5.8	Max. gradeability, laden/unladen		%	6 / 15
	5.10	Service brake			generated
Electrics	6.1	Drive motor rating S2 60 min.		kW	2.8 / 3.2 ⁴⁾
	6.2	Lift motor rating at S3 10%		kW	1.2
	6.3	Battery according to DIN 43531/35/36 A,B,C, no			Nein
	6.4	Battery voltage/nominal capacity K5		V/Ah	24 / 465 ⁶⁾
	6.5	Battery weight		kg	370
	6.6	Energy consumption according to VDI cycle		kWh/h	0.44
Misc.	8.1	Type of drive control			AC SpeedControl
	8.4	Sound pressure level at operator's ear according to EN 12053		dB (A)	62

¹⁾ With raised load section = values – 82 mm

²⁾ Diagonal travel according VDI: + 200 mm

³⁾ With configuration package Drive Plus w.o. load

⁴⁾ With configuration package Drive Plus

⁵⁾ With configuration package Drive & ECO Plus

⁶⁾ With battery compartment XL: 24 / 620

Benefit from the advantages



JetPilot – exclusive from Jungheinrich



Performance – powerful and efficient drive concept for an optimum of acceleration and a maximum top speed in any load situation

- High acceleration and top speed through powerful 3.2 kW drive motor (optional).
- Load adaptive cornering speed through intelligent Curve Control.
- 3 adjustable travel programs for individual adjustment.
- Sideway pedestrian operation controls (or buttons) integrated in the backrest for faster order picking.

Comfortable workstation

- Generous space even for tall drivers
- Variety of storage options
- Appropriate backrest variants
- Ideal view

Travel in comfort

- The speed set by the drive switch is maintained under all travel conditions – even on gradients/descents.
- Regenerative braking with energy recovery when slowing down.

Rugged construction for the hardest applications

- Shock protected steel cover.
- Extra-high wrap around chassis apron on front cover made of high quality steel.
- Tension proof fork sections with strong rods – no bending even with heavy loads and long forks.
- 2.5 tonnes load capacity for the transport of up to three pallets at the same time.

Long operating times

- Standard version: Battery 3PzS 465 Ah.
- High-performance XL version: Battery 4PzS 620 Ah
- Lateral battery exchange (option) for multi-shift use.

Always informed

- The new 2inch display (optional) informs about the battery state of charge, operational hours, driving speed and fault codes.
- Activation of the truck using a PIN and a choice of 3 travel programme settings by keypad (optional).

Safety

- Integrated LED headlights(optional)
- Floorspot (optional): The risk of collision in blind spots is reduced significantly through a light point approx. 3 m in front of the truck.

Li-Ion-Ready

With the advantages of Li-Ion technology in the future:

- Short charging time: For the first time, as standard, the battery can be charged faster than discharged.
- Opportunity charging: the battery is able to receive a significant amount of capacity even in short breaks so that battery changes can be avoided.
- Saving of Labour costs for the maintenance which would be required for lead-acid batteries are also eliminated, as well as the expense of extensive charging infrastructure (charging rooms, ventilation, etc.).

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The German production facilities in Norderstedt and Moosburg are certified. **ISO 9001**
ISO 14001

Jungheinrich fork lift trucks meet European safety requirements.



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