

UNI CARRIERS

Sleek. Flawless. Unbeatably tough.

Electric counterbalance truck MX

2.5 t - 3.5 t

24/7
support



worldwide network

5
models

MX



Effortless ease... total control

Top Features

- Sensitive Drive System (SDS) smoothes start and stop movements, increases agility and adapts to the speed of operators' foot movements.
- Tight space agility rear axle steers through a full 100°, with dual drive motors for instant, smooth turning on the spot and no initial "push".
- Touch-sensitive fingertip controls natural feeling, spring-loaded response: press gently for finer control.
- Intelligent curve control senses the angle of a turn, and reduces speed earlier in the manoeuvre for maximum stability and accurate, positive cornering.

- Perfectly weighted steering and optimal steering wheel size with a light but firm feel gives confidence and manoeuvrability at all speeds.
- Sealed, wet-disc brakes are protected from the elements and virtually maintenance-free.
- Brand new F2 button simple thumb control integrates twice as many key controls – without taking your eyes off the load. Options include clamp release and automatic tilt centering.
- Precision tilt and side shift easy, fine control makes important and difficult movements faster, and safer.
- Extra-large entry step for safe, no-slip entry and exit – whatever the footwear.

The clever ultra-low dashboard profile gives your driver exceptional forward vision right through to the fork tips



Options

- Automatic travel and tilt speed reduction
- Ergonomic operator presence pedal
- Intuitive joystick control
- Automatic tilt centering
- Integrated clamp release
- Pallet truck battery change
- Windshield with wiper and washer
- Panel cabin



STANDARD SPECIFICATIONS

		Counterbalance trucks Designation according VDI 3586			Data sheet for materials handling equipment				VDI 2198 Registration note
		Manufacturers Data and Design Characteristics							
CHARACTERISTICS	1.1	Manufacturer			UniCarriers	UniCarriers	UniCarriers	UniCarriers	UniCarriers
	1.2	Model Name			MX-25	MX-25L	MX-30	MX-30L	MX-35L
	1.3	Power unit			Electric	Electric	Electric	Electric	Electric
	1.4	Operation (hand, pedestrian, standing, seated, order-picker)			Seated	Seated	Seated	Seated	Seated
	1.5	Load capacity	Q*	t	2.5	2.5	3.0	3.0	3.5
	1.6	Load centre	c*	mm	500	500	500	500	500
	1.8	Front overhang	x*	mm	476	476	504	504	504
	1.9	Wheelbase	y*	mm	1585	1730	1585	1730	1730
WEIGHTS	2.1	Service weight		kg	4621	4700	5234	5152	5591
	2.2	Axle load with load, front/rear		kg	6332 / 789	6336 / 864	7355 / 878	7313 / 839	8186 / 904
	2.3	Axle load without load, front/rear		kg	2292 / 2329	2424 / 2275	2454 / 2780	2571 / 2581	2654 / 2937
WHEELS & TIRES	3.1	Tyres front/rear (C=Cushion,SE=superelastic, P=Pneumatic)			SE	SE	SE	SE	SE
	3.2	Tyre size, front			23 x 9-10	23 x 9-10	23 x 10-12	23 x 10-12	23 x 10-12
	3.3	Tyre size, rear			18 x 7-8	18 x 7-8	18 x 7-8	18 x 7-8	18 x 7-8
	3.5	Wheels, number front/rear (x = powered)			2x / 2	2x / 2	2x / 2	2x / 2	2x / 2
	3.6	Tread, front	b10*	mm	985	985	950	950	950
	3.7	Tread, rear	b11*	mm	970	970	970	970	970
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	α/β*	°	6 / 8	6 / 8	6 / 8	6 / 8	6 / 8
	4.2	Height mast fully lowered	h1*	mm	2145	2145	2165	2165	2291
	4.3	Free lift	h2*	mm	100	100	100	100	100
	4.4	Lift height	h3*	mm	3300	3300	3270	3270	3300
	4.5	Height mast fully extended	h4*	mm	4355	4355	4325	4325	4345
	4.7	Overhead guard height	h6*	mm	2240	2240	2240	2240	2240
	4.8	Seat height ³ /Standing height	h7*	mm	1130	1130	1130	1130	1130
	4.12	Towing coupler height	h10*	mm	395	395	395	395	395
	4.19	Overall length	l1*	mm	3459	3600	3487	3628	3628
	4.20	Length to fork face	l2*	mm	2389	2530	2417	2558	2558
	4.21	Overall width	b1*	mm	1190	1190	1190	1190	1190
	4.22	Fork dimensions	s/e/l*	mm	40 x 100 x 1070	40 x 100 x 1070	45 x 125 x 1070	45 x 125 x 1070	45 x 125 x 1070
	4.23	Carriage DIN 15173, Class / Form A,B			2A	2A	3A	3A	3A
	4.24	Carriage width	b3*	mm	1000	1000	1000	1000	1000
	4.31	Mast underclearance loaded	m1*	mm	105	105	115	115	115
	4.32	Underclearance centre wheelbase	m2*	mm	122	122	122	122	122
	4.33	Right angle stacking aisle with pallet 1000x1200 crossways ¹	Ast*	mm	3660	3805	3690	3830	3830
	4.34	Right angle stacking aisle with pallet 800x1200 lengthways ¹	Ast*	mm	3815	3960	3840	3985	3985
	4.35	Turning radius	Wa*	mm	1920	2064	1920	2064	2064
	4.36	Turning radius, inner	b13*	mm	160	160	160	160	160
PERFORMANCE	5.1	Travelling speed with/without load		km/h	20 / 20	20 / 20	20 / 20	20 / 20	18 / 18
	5.2	Lifting speed with/without load		m/s	0.5 / 0.65	0.5 / 0.65	0.45 / 0.6	0.45 / 0.6	0.45 / 0.6
	5.3	Lowering speed with/without load		m/s	0.55 / 0.5	0.55 / 0.5	0.5 / 0.45	0.5 / 0.45	0.5 / 0.45
	5.5	Rated drawbar pull, with / without load		N	9300 / 9700	9300 / 9700	9100 / 9550	9100 / 9550	8950 / 9500
	5.6	Maximum drawbar pull, with / without load (5 min. short duty)		N	15800 / 16200	15800 / 16200	15550 / 16050	15550 / 16050	15400 / 16000
	5.7	Gradeability with/without load		%	15 / 25	15 / 25	13 / 22	13 / 22	12 / 20
	5.8	Maximum gradeability with/without load		%	23 / 38	23 / 38	20 / 33	20 / 34	18 / 31
	5.9	Acceleration with/without load		s	4.2 / 3.9	4.2 / 3.9	4.3 / 3.9	4.3 / 3.9	4.4 / 3.9
	5.10	Service brake			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
DRIVE	6.1	Traction motor performance, S2 60 min rating		kW	2 x 8	2 x 8	2 x 8	2 x 8	2 x 8
	6.2	Lift motor performance, S3 15 % rating		kW	20.8	208	25.5	25.5	25.5
	6.3	Battery according DIN 43531/35/36 A,B,C,no			43.536A	43.536A	43.536A	43.536A	43.536A
	6.4	Battery voltage/rated capacity (5h)		V/Ah	80 / 560-620	80 / 700-775	80 / 560-620	80 / 700-775	80 / 700-775
	6.5	Battery weight (±5 %)		kg	1558	1863	1558	1863	1863
	6.6	Energy consumption acc. to VDI cycle ²		kWh/h	7.4	7.4	8.2	7.9	8.9
OTHERS	8.1	Type of drive control			AC	AC	AC	AC	AC
	10.1	Working pressure attachments		bar	185	185	185	185	205 ⁴
	10.2	Oil flow attachment		l/min	30	30	30	30	30
	10.7	Noise level operator's ear according EN 12053		dB(A)	65	65	66	66	66
	10.8	Towing coupling design / DIN type, ref.			DIN15170-H	DIN15170-H	DIN15170-H	DIN15170-H	DIN15170-H

¹⁾With 200mm clearance ²⁾According VDI 60 cycles ³⁾ h7 values recorded with high comfort seat. ⁴⁾ Separate option for pressure relief valve when lower pressure needed
* For further information please refer to the specification sheet.

It's all about
the price.
**But what
price?**

Reduce your Total Cost of Operation with UniCarriers

We agree. Price is everything. Or to be more specific: your Total Cost of Operation (TCO). That's why we're so focused on cutting costs and improving your material handling. The truck and its performance play an important role, but this is even more about how we can support you in optimising your warehouse operations to give you the best value for your money. Which – in the long run – is what creates a winner.

UNICARRIERS CORPORATION

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