UNICARRIERS

Sleek. Flawless. Unbeatably tough.

Electric counterbalance truck MX2

2.5 t - 3.5 t

24/7 support

worldwide network

5 models

MX2

Effortless ease ... total control

Top Features

- S3 - Stability Support System smoothes start and stop movements, increases agility and adapts to the speed of operators' foot movements.
- Extra boost for ramps
- 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.
- 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
- Dual joystick
- 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 Manufacturers Data and Design Characteristics	Data sheet for materials handling equipment					VDI 2198
CHARACTERISTICS	1.1	Manufacturer (abbreviation)		MLE				
	1.2	Manufacturer's model designation		MX2-25L	MX2-25	MX2-30L	MX2-30	MX2-35L
	1.3	Power source: Battery, Diesel, LPG, Petrol		Electric	Electric	Electric	Electric	Electric
	1.4	Operator type: pedestrian, (operator)-standing, -seated		Seated	Seated	Seated	Seated	Seated
	1.5	Load capacity	Q (kg)	2500	2500	3000	3000	3500
	1.6	Load center distance	c (mm)	500	500	500	500	500
	1.8	Load distance, axle to fork face	x (mm)	476	476	504	504	504
	1.9	Wheel base	y (mm)	1730	1585	1730	1585	1730
WEIGHTS	2.1	Truck weight, without load/including battery (simplex mast, lowest lift height)	kg	4737	4584	5230	5222	5654
	2.2	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)	kg	6301/937	6296/788	7348/882	7351/870	8183/971
	2.3	Axle loading without load, front/rear (simplex mast, lowest lift height)	kg	2390/2347	2256/2328	2607/2623	2450/2771	2651/3002
WHEELS, DRIVE TRAIN	3.1	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear		SE	SE	SE	SE	SE
	3.2	Tyre dimensions, front		23×9-10	23×9-10	23×10-12	23×10-12	23×10-12
	3.3	Tyre dimensions, rear		18×7-8	18×7-8	18×7-8	18×7-8	18×7-8
	3.5	Number of wheels, front/rear (x=driven)		2x/2	2x/2	2x/2	2x/2	2x/2
	3.6	Track width (centre of tyres), front	b10 (mm)	985	985	950	950	950
	3.7	Track width (centre of tyres), rear	b11 (mm)	970	970	970	970	970
DIMENSIONS	4.1	Mast tilt, forwards/backwards	α/β (°)	6/8	6/8	6/8	6/8	6/8
	4.2	Height with mast lowered (see tables)	h_1 (mm)	2145	2145	2165	2165	2291
	4.3	Free lift (see tables)	h_2 (mm)	100	100	100	100	100
	4.4	Lift height (see tables)	h_3 (mm)	3300	3300	3270	3270	3300
	4.5	Overall height with mast raised	h_4 (mm)	4355	4355	4325	4325	4345
	4.7	Height to top of overhead guard	h_8 (mm)	2240	2240	2240	2240	2240
	4.8	Seat height	h_7 (mm)	1130	1130	1130	1130	1130
	4.12	Tow coupling height	h_{10} (mm)	395	395	395	395	395
	4.19	Overall length	l_1 (mm)	3600	3459	3628	3487	3628
	4.20	Length to fork face (includes fork thickness)	l_2 (mm)	2530	2389	2558	2417	2558
	4.21	Overall width	b_1/b_2 (mm)	1190	1190	1190	1190	1190
	4.22	Fork dimensions (thickness, width, length)	s/e/l (mm)	40x100x1100	40x100x1100	45x120x1100	45x120x1100	45x120x1100
	4.23	Fork carriage to DIN 15 173 A/B/no		2A	2A	3A	3A	3A
	4.24	Fork carriage width	b_3 (mm)	1000	1000	1000	1000	1000
	4.31	Ground clearance under mast, with load	m_1 (mm)	105	105	115	115	115
	4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m_2 (mm)	122	122	122	122	122
	4.33	Working aisle width with 1000 x 1200 mm pallets, crosswise	Ast (mm)	3805	3660	3830	3690	3830
	4.34a	Working aisle width with 800 x 1200 mm pallets, crosswise	Ast (mm)	3749	3605	3773	3629	3773
	4.34b	Working aisle width with 800 x 1200 mm pallets, lengthwise	Ast (mm)	3960	3815	3985	3840	3985
	4.35	Turning circle radius	Wa (mm)	2064	1920	2064	1920	2064
	4.36	Minimum distance between centres of rotation	b_{13} (mm)	160	160	160	160	160
PERFORMANCE	5.1	Travel 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	20/34	20/33	18/31
	5.9	Acceleration time (10 metres) with/without load	s	4.1/3.8	4.1/3.8	4.2/3.8	4.2/3.8	4.4/3.8
	5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)		Hydraulic				
ELETRIC MOTOR	6.1	Drive motor capacity (60 min. short duty)	kW	2×8	2×8	2×8	2×8	2×8
	6.2	Lift motor output at 15% duty factor	kW	20.8	20.8	25.5	25.5	25.5
	6.3	Battery to DIN 43 531/35/36 A/B/C/no		43536A	43536A	43536A	43536A	43536A
	6.4	Battery voltage/capacity at 5 - hour discharge	V/Ah	80/700-775	80/560-620	80/700-775	80/560-620	80/700-775
	6.5	Battery weight	kg	1863	1558	1863	1558	1863
MISCELLANEOUS	8.1	Type of drive control		AC	AC	AC	AC	AC
	10.1	Maximum operating pressure for attachments	bar	185	185	185	185	205
	10.2	Oil flow for attachments	l/min	30	30	30	30	30
	10.7	Noise level, value at operator's ear (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

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.