

MXL-40~55(C)(H)

ELECTRIC COUNTERBALANCE TRUCK

4.0 – 5.5 tons



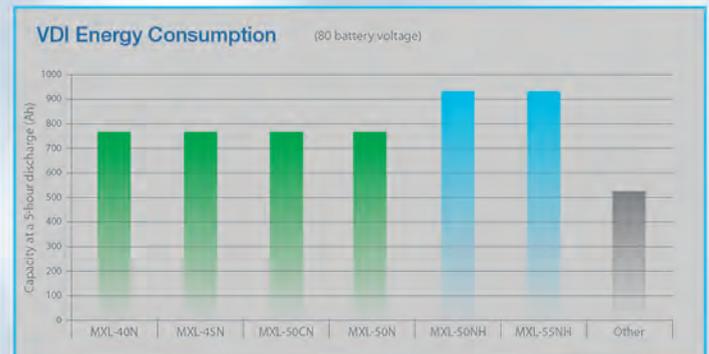
BIG PERFORMANCE SMALL FOOTPRINT

ENERGISE YOUR OPERATIONS

Maximised throughput, minimised costs

Single, double or triple shift operation, extra long-lasting batteries, quick battery change or in combination with other drive types – don't let the energy source dictate your work. With the lowest energy costs and minimal maintenance, investment in electric vehicles pays off – not only for the environment, but also for your bottom line.

- ✔ Better Total Cost of Ownership than any other drive type
- ✔ Less maintenance
- ✔ Inside/outside versatility
- ✔ Battery life longer than a single shift
- ✔ Best energy consumption in class



THE MXL – HANDLE HEAVY LOADS WITH LESS ENERGY CONSUMPTION AND ZERO EMISSIONS.

Have you ever considered using an electric forklift for moving heavy loads? The MXL is every bit as tough, as fast and as powerful as any IC truck, and at the same time it's quieter, more environmentally friendly and way more cost-effective.

ENJOY THE SILENCE

THE ONLY SOUND YOU HEAR WHEN YOU'RE DRIVING IS THE FAN.

Driver comfort and well-being are at the heart of everything we do.

The MXL is comfortable, maneuverable, and as easy to drive as a car. And in addition to reducing CO₂ emissions, there's another thing our electric truck eliminates: noise. The virtually silent hydraulic pumps provide a massive noise reduction not just for the driver, but everyone else in the workplace.

Easy to use, hard not to love: features and benefits for the driver

- ✔ No need to turn off and on in use
- ✔ Automatic parking brake
- ✔ Oversteering rear-axle, more agile
- ✔ Better visibility due to new free lift setup
- ✔ Cabin warms very fast
- ✔ Quiet electric motors and pump
- ✔ No motor vibrations
- ✔ Sealed and dampened cabin
- ✔ Adaptive load handling
- ✔ Can be tuned to exact needs
- ✔ Load sensing hydraulics
- ✔ Instant torque



FEATURES AND BENEFITS



✔ **Load sensing hydraulic system**
Hydraulic pressure of the system varies according to load.



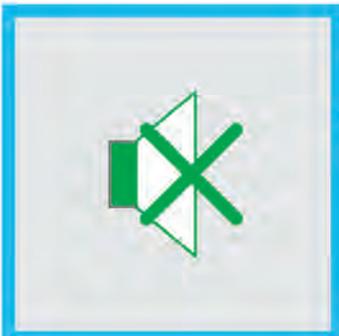
✔ **Lowering adaption function (Pat. pend)**
Software stabiliser flattens jerky movements of load and truck when lowering.



✔ **Sliding windows**
In front and back on both sides for best visibility.



✔ **Dual joystick**
Joystick actions can be set according to specific customer needs.



✔ **Mini steering wheel**
The best driving position, view and minimised effort to operate the forklift.



✔ **Noise cancelling**

- Silent hydraulic pump
- Silent drive units
- Silent cabin



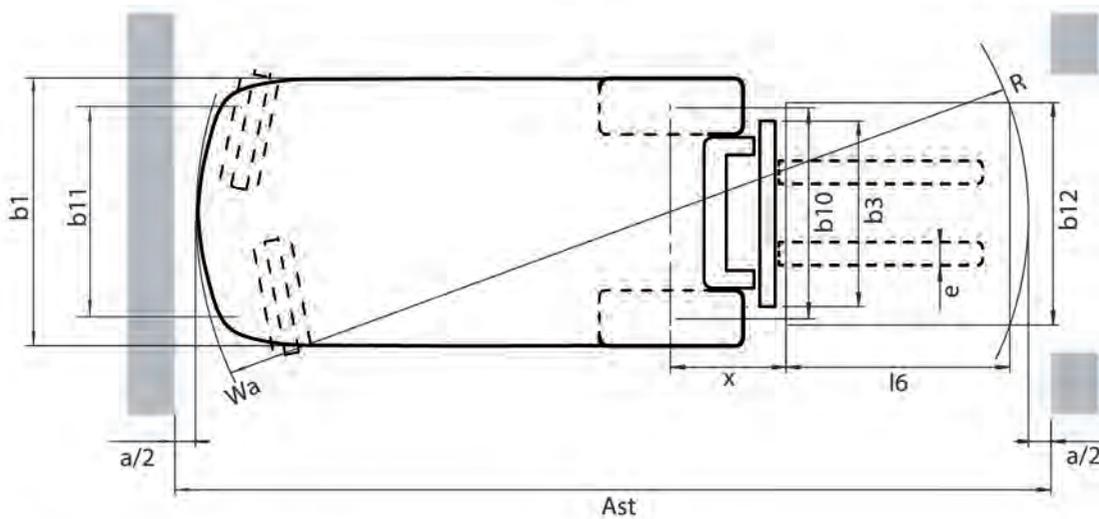
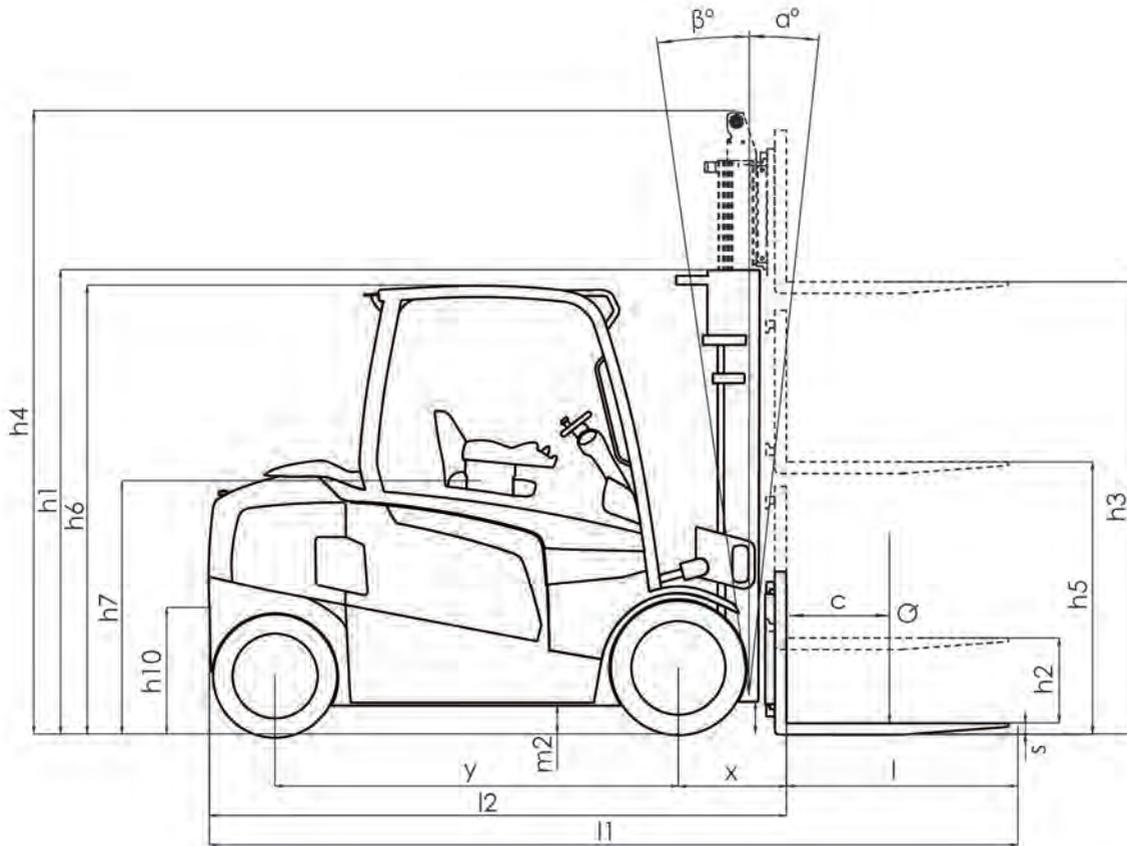
✔ **Boost function (Pat. pend)**
Acceleration boost
Activates when the accelerator is fully depressed.
Torque boost
Automatically senses when extra torque is needed to maintain truck speed.



✔ **Electric differential lock (Pat. pend)**
Locks front wheels to spin simultaneously for best available traction in slippery conditions.



CHARACTERISTICS	UniCarriers							
		MXL-40	MXL-45	MXL-50C	MXL-50	MXL-50H	MXL-55H	
1.1	Manufacturer							
1.2	Manufacturer's model designation	MXL-40	MXL-45	MXL-50C	MXL-50	MXL-50H	MXL-55H	
1.3	Power source: Battery, Diesel, LPG, Petrol	Electric						
1.4	Operator type: pedestrian, (operator)-standing, -seated	Seated	Seated	Seated	Seated	Seated	Seated	
1.5	Load capacity	Q (kg) 4000	4500	4990	4990	5000	5500	
1.6	Load centre	c (mm) 500	500	500	500	600	600	
1.7	Front overhang	x (mm) 540	540	540	540	560	560	
1.8	Wheel base	y (mm) 1946	1946	1946	2090	2090	2090	
WEIGHTS								
2.1	Truck weight, without load/including battery	kg 7290	7648	7991	8347	8472	8711	
2.2	Axle loading with maximum load, front/rear	kg 10040/1250	10795/1353	11574/1417	11563/1784	12009/1463	12799/1412	
2.3	Axle load without load, front/rear	kg 3902/3388	3890/3758	3902/4089	4075/4272	4234/4238	4246/4465	
WHEELS, DRIVE TRAIN								
3.1	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear	SE	SE	SE	SE	SE	SE	
3.2	Tyre dimensions, front	250x15 (710)	250x15 (710)	355/50-15 (710)	355/50-15 (710)	355/50-15 (710)	355/50-15 (710)	
3.3	Tyre dimensions, rear	7.00x12 (650)	7.00x12 (650)	7.00x12 (650)	7.00x12 (650)	7.00x12 (650)	7.00x12 (650)	
3.4	Number of wheels, front/rear (x=driven)	2X/2	2X/2	2X/2	2X/2	2X/2	2X/2	
3.5	Track width (centre of tyres), front	b10 (mm) 1143	1143	1154	1154	1154	1154	
3.6	Track width (centre of tyres), rear	b11 (mm) 1169	1169	1169	1169	1169	1169	
DIMENSIONS								
4.1	Mast tilt, forwards/backwards	α/β (°) 6/8	6/8	6/8	6/8	6/8	6/8	
4.2	Height with mast lowered (see tables)	h ₁ (mm) 2420	2420	2420	2420	2420	2420	
4.3	Free lift (see tables)	h ₂ (mm) 150	150	150	150	160	160	
4.4	Lift height (see tables)	h ₃ (mm) 3300	3300	3300	3300	3300	3300	
4.5	Overall height with mast raised	h ₄ (mm) 4205	4205	4205	4205	4345	4345	
4.6	Height to top of overhead guard	h ₅ (mm) 2340	2340	2340	2340	2340	2340	
4.7	Seat height	h ₆ (mm) 1320	1320	1320	1320	1320	1320	
4.8	Tow coupling height	h ₁₀ (mm) 675	675	675	675	675	675	
4.9	Overall length	l ₁ (mm) 4025	4025	4025	4170	4190	4190	
4.10	Length to fork face (includes fork thickness)	l ₂ (mm) 2825	2825	2825	2970	2990	2990	
4.11	Overall width	b ₁ /b ₂ (mm) 1370	1370	1450	1450	1450	1450	
4.12	Fork dimensions (thickness, width, length)	s/e/l (mm) 50/150/1200	50/150/1200	50/150/1200	50/150/1200	60/150/1200	60/150/1200	
4.14	Fork carriage to DIN 15 173 A/B/no	3A	3A	3A	3A	4A	4A	
4.15	Fork carriage width	b ₃ (mm) 1190	1190	1190	1190	1190	1190	
4.16	Ground clearance under mast, with load	m ₁ (mm) 150	150	150	150	150	150	
4.17	Ground clearance at centre of wheelbase, with load (forks lowered)	m ₂ (mm) 150	150	150	150	150	150	
4.18	Working aisle width with 1000 x 1200 mm pallets, crosswise	Ä _{st} (mm) 4125	4125	4125	4273	4291	4291	
4.19	Working aisle width with 800 x 1200 mm pallets, crosswise	Ä _{st} (mm) 3938	3938	3938	4086	4104	4104	
4.20	Working aisle width with 800 x 1200 mm pallets, lengthwise	Ä _{st} (mm) 4264	4264	4264	4412	4439	4439	
4.21	Turning circle radius	Wa (mm) 2289	2289	2289	2434	2434	2434	
4.22	Minimum distance between centres of rotation	b ₁₃ (mm) 49	49	49	49	49	49	
PERFORMANCE								
5.1	Travel speed, with / without load	km/h 18/20	18/20	18/20	18/20	18/20	18/20	
5.2	Lifting speed, with / without load	m/s 0.41/0.53	0.38/0.53	0.35/0.53	0.35/0.53	0.35/0.53	0.32/0.53	
5.3	Lowering speed, with / without load	m/s 0.53/0.51	0.52/0.51	0.52/0.51	0.52/0.51	0.52/0.51	0.51/0.51	
5.4	Rated drawbar pull, with / without load	N 16000/16400	16800/17700	16800/17700	17600/18100	17500/17700	17600/18000	
5.5	Maximum drawbar pull, with / without load (5 min short duty)	N 17300/18400	17300/18400	17300/18400	21500/22600	21500/22600	21500/22600	
5.6	Gradeability, with / without load	% 15/23	15/23	14/22	14/22	13.5/21.5	13/21	
5.7	Maximum gradeability with / without load	% 15.8/26.6	15.6/23.7	14.6/22.6	16.6/28.7	16.5/28.2	16.4/27.3	
5.8	Acceleration time (10 metres) with / without load	s 4.6/3.9	4.7/3.9	4.8/4.0	4.6/4.1	4.7/4.1	4.8/4.1	
5.9	Service brakes (mechanical / hydraulic / electric / pneumatic)	Hydraulic						
ELECTRIC MOTOR								
6.1	Drive motor capacity (60 min. short duty)	kW 2x16	2x16	2x16	2x16	2x16	2x16	
6.2	Lift motor output at 15% duty factor	kW 34	34	34	34	34	34	
6.3	Battery to DIN 43 531 / 35 / 36 A / B / C / no	DIN 43 536/A	DIN 43 536/A	DIN 43 536/A	DIN 43 536/A	DIN 43 536/A	DIN 43 536/A	
6.4	Battery voltage / capacity at 5 - hour discharge	V/Ah 80/775	80/775	80/775	80/930	80/930	80/930	
6.5	Battery weight	kg 1863	1863	1863	2178	2178	2178	
6.6	Energy consumption according to DIN EN 16796	kWh/h 10.2 ¹⁾	10.6 ¹⁾	11.0 ¹⁾	11.2 ¹⁾	7.8 ²⁾	8.2 ²⁾	
MISCELLANEOUS								
7.1	Type of drive control	AC electronic	AC electronic	AC electronic	AC electronic	AC electronic	AC electronic	
7.2	Maximum operating pressure for attachments	bar 210	210	210	210	210	210	
7.3	Oil flow for attachments	l/min 45	45	45	45	45	45	
7.4	Noise level, value at operator's ear (EN 12053)	dB(A) 65	65	65	65	65	65	
7.5	Towing coupling design/DIN type, ref.	15 170	15 170	15 170	15 170	15 170	15 170	



- 1) Measured with 60 cycles test
- 2) Measured with 45 cycles test



UNICARRIERS

<https://www.logisnext.com/en/product/unicarriers/>

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Note:

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Photos and illustrations may or may not include optional equipment and accessories.
Features and specifications may vary depending on markets.
Performance data and dimensions are nominal and subject to tolerances.
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