

Order Picking and Narrow Aisle Truck

		EMX 110	EMX 120	EMX 130	EMX 135	EMX 150	EMX 150 XL	EMX 200
Load capacity	Q	1.100 kg	1.200 kg	1300 kg	1.350 kg	1.500 kg	1.500 kg	2.000 kg
Load centre	C	600 mm	600 mm	600 mm	600 mm	600 mm	600 mm	600 mm
Power supply		Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical
Operator type		Stand-on/Rider seated	Stand-on/Rider seated	Stand-on/Rider seated	Stand-on/Rider seated	Stand-on/Rider seated	Stand-on/Rider seated	Stand-on/Rider seated
Tyres		Polyurethan	Polyurethan	Polyurethan	Polyurethan	Polyurethan	Polyurethan	Polyurethan
Number of wheels, drive/load side (x = driven)		1x/2	1x/2	1x/2	1x/2	1x/2	1x/2	1x/2
Lowered platform height	h8	400 mm	400 mm	400 mm	400 mm	400 mm	400 mm	400 mm
Inside height of cabin		2.130 mm	2.130 mm	2.130 mm	2.130 mm	2.130 mm	2.130 mm	1.930 mm
Lift height	h3G+s	see table	see table	see table	see table	see table	see table	see table
Supplementary lift	h2	1.900 mm	1.900 mm	1.900 mm	1.900 mm	1.900 mm	1.900 mm	1.500 mm
Picking height	h9	h12 + 1600 mm	h12 + 1600 mm	h12 + 1600 mm	h12 + 1600 mm	h12 + 1600 mm	h12 + 1600 mm	h12 + 1600 mm
Fork dimensions		40/120 mm	40/120 mm	40/120 mm	40/120 mm	40/120 mm	40/120 mm	40/120 mm
Fork length		800 – 1.300 mm	800 – 1.300 mm	800 – 1.300 mm	800 – 1.300 mm	800 – 1.300 mm	800 – 1.300 mm	800 – 1.300 mm
Width across forks (fork carrier width 580/850 mm)	B3	530/505 – 795 mm	530/505 – 795 mm	530/505 – 795 mm	530/505 – 795 mm	530/505 – 795 mm	530/505 – 795 mm	240 – 795 mm
Height of fork, low position	s	80 mm	80 mm	80 mm	80 mm	80 mm	80 mm	80 mm
Overall length with fork carrier width 850 mm	L	3.275 – 3.365 – 3.465 mm	3.335 – 3.425 – 3.525 mm	3.400 – 3.490 – 3.590 mm	3.375 – 3.465 – 3.565 mm	3.650 – 3.740 – 3.840 mm	3.650 – 3.740 – 3.840 mm	3.740 – 3.840 mm
Overall length with fork carrier width 580 mm	L	3.140 – 3.230 – 3.330 mm	3.200 – 3.290 – 3.390 mm	3.265 – 3.355 – 3.455 mm	3.240 – 3.330 – 3.430 mm	3.515 – 3.605 – 3.705 mm	3.515 – 3.605 – 3.705 mm	3.605 – 3.705 mm
Support boom length (standard)	M1S	460 – 550 – 650 mm	460 – 550 – 650 mm	460 – 550 – 650 mm	460 – 550 – 650 mm	460 – 550 – 650 mm	460 – 550 – 650 mm	550 – 650 mm
Overhang	X/X1	355/255 mm	355/255 mm	355/255 mm	365/255 mm	360/270 mm	360/270 mm	360/270 mm
Overall width	B	1.000 – 1.700 mm	1.200 – 1.700 mm	1.200 – 1.700 mm	1.200 – 1.700 mm	1.200 – 1.700 mm	1.600 – 1.900 mm	1.200 – 1.700 mm
Height of mast retracted	h1	see table	see table	see table	see table	see table	see table	see table
Height of cabin extended	h6	see table	see table	see table	see table	see table	see table	see table
Height of mast extended	h4	see table	see table	see table	see table	see table	see table	see table
Turning radius	Wa	2.080 mm	2.145 mm	2.210 mm	2.170 mm	2.445 mm	2.445 mm	2.445 mm
Aisle width	Ast	1.200 – 2.000 mm	1.400 – 2.000 mm	1.400 – 2.000 mm	1.400 – 2.000 mm	1.400 – 2.000 mm	1.800 – 2.100 mm	1.400 – 2.000 mm
Travel speed laden/unladen		12,0/12,0 km/h	12,0/12,0 km/h	12,0/12,0 km/h	12,0/12,0 km/h	12,0/12,0 km/h	12,0/12,0 km/h	12,0/12,0 km/h
Lift speed laden/unladen		0,32/0,40 m/s	0,31/0,40 m/s	0,52/0,56 m/s	0,49/0,52 m/s	0,48/0,52 m/s	0,42/0,45 m/s	0,45/0,54 m/s
Lowering speed laden/unladen		0,45/0,45 m/s	0,45/0,45 m/s	0,45/0,45 m/s	0,45/0,45 m/s	0,45/0,45 m/s	0,45/0,45 m/s	0,45/0,45 m/s
Reach speed laden/unladen (adjustable)		max. 0,45/0,45 m/s	max. 0,45/0,45 m/s	max. 0,45/0,45 m/s	max. 0,45/0,45 m/s	max. 0,45/0,45 m/s	max. 0,45/0,45 m/s	0,20/0,20 m/s
Weight including battery		4.900 – 5.600 kg	4.950 – 5.800 kg	5.050 – 5.900 kg	5.800 – 6.900 kg	7.100 – 8.700 kg	8.900 – 9.400 kg	7.400 – 8.900 kg
Axle load with load, drive side/load side		1.600/4.400; 1.850/4.850 kg	1.650/4.500; 1.900/5.100 kg	1.700/4.650; 2.000/5.200 kg	1.800/5.300; 2.050/6.150 kg	2.300/6.300; 2.950/7.250 kg	3.000/7.400; 3.100/7.800 kg	2.100/7.300; 2.700/8.200 kg
Axle load without load, drive side/load side		2.100/2.800; 2.400/3.200 kg	2.150/2.800; 2.450/3.350 kg	2.250/2.800; 2.550/3.350 kg	2.400/3.400; 2.700/4.200 kg	2.900/4.200; 3.550/5150 kg	3.500/5.400; 3.700/5.700 kg	3.000/4.400; 3.400/5.400 kg
Tyres, number, drive side/load side		1/2	1/2	1/2	1/2	1/2	1/2	1/2
Tyres dimension drive side		343/140 mm	343/140 mm	343/140 mm	343/140 mm	381/152 mm	381/152 mm	381/152 mm
Tyres dimension load side		343/140 mm	343/140 mm	343/140 mm	377/178 mm	377/178 mm	377/178 mm	377/178 mm
Wheel base	y	1.780 mm	1.845 mm	1910 mm	1.880 mm	2.140 mm	2.140 mm	2.140 mm
Ground clearance	m2	40 mm	40 mm	40 mm	40 mm	40 mm	40 mm	40 mm
Operating brake		electro-magnetic	electro-magnetic	electro-magnetic	electro-magnetic	electro-magnetic	electro-magnetic	electro-magnetic
Parking brake		dead man's brake	dead man's brake	dead man's brake	dead man's brake	dead man's brake	dead man's brake	dead man's brake
Battery		DIN 43531 B	DIN 43531 B	DIN 43536 A	DIN 43536 A	DIN 43536 A	DIN 43536 A	DIN 43536 A
Battery voltage/capacity		48 Volt/775 Ah	48 Volt/930 Ah	80 Volt/620 Ah	80 Volt/ 465 Ah	80 Volt/ 775 Ah	80 Volt/ 775 Ah	80 Volt/775 Ah
Battery weight		1.118 kg	1.309 kg	1.558 kg	1.238 kg	1.862 kg	1.862 kg	1.862 kg
Drive motor		5,0 kW	5,0 kW	7,0 kW	7,0 kW	7,0 kW	7,0 kW	7,0 kW
Lift motor		12,5 kW	12,5 kW	21,0 kW	21,0 kW	21,0 kW	28,0 kW	28,0 kW
Drive/lift control		AC-Control	AC-Control	AC-Control	AC-Control	AC-Control	AC-Control	AC-Control

