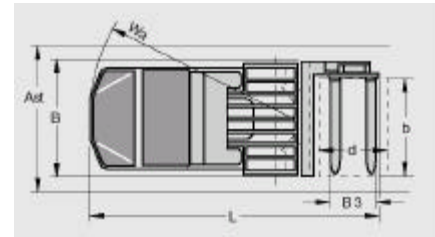
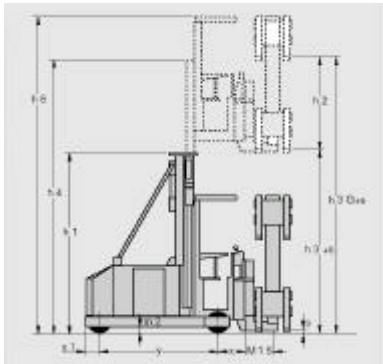


EK 20 Narrow Aisle Forklift 80 V



Built to suit Load & Application			EK 20
Load Capacity	Q	2000 kg	4400 lbs
Load Center	C	600 mm	24"
Controls	Electric	~AC	~ AC
Operator Position		stand / sit	stand / sit
Tires		polyurethane	polyurethane
Number of wheels (x=drive), load wheels		1x/2	1x/2
Drivers cabin entry height (lowered position)	h 8	400 mm	15.7"
Max. Fork elevation (h3 G + s)	h3 G + s	see specification tables	
Auxiliary lift (h2)	h 2	1500 mm	67"
Order Picking Height (h9)	h 9	h6 - 400 mm	h6 - 15.7"
Fork thickness / width (min. std)		40 / 120 mm	1.6 / 4.8"
Standard Fork lengths - increments of (10 mm) (0.4")		800 - 1300 mm	31.5 - 51.2"
External fork adjustment range (standard fork carriage 850 mm / 33.5")	B 3	240 - 795 mm	9.5 - 31.3"
Lowered height of forks (s)	s	80 mm	3.2"
Overall vehicle lengths (with standard 850 mm / 33.5" fork carriage)	L	3740 - 3840 mm	147.2 - 151.2"
Overall vehicle lengths (with standard 580 mm / 22.8" fork carriage)	L	3605 - 3705 mm	142.0 - 145.9"
Attachment arm length (to suit pallet width) standard dimensions	M 1 S	550 - 650 mm	21.7 - 25.6"
Overhang	X / X1	360 / 270 mm	14.2 / 10.6"
Overall chassis width (standard increments 50 mm / 2.0")	B	1200 - 1700 mm	47.2" - 67"
Collapsed height of lift mast	h 1	see specification tables	
Overall extended height of cabin	h 6	see specification tables	
Overall extended height of lift mast	h 4	see specification tables	
Turning radius	Wa	2445 mm	96.3"
Aisle width	Ast	1400 - 2000 mm	47.2 - 78.7"
Travel speed loaded / unloaded		10.0 / 10.0 km/h	6.2 / 6.2 mph
Lift speed loaded / unloaded		0.32 / 0.42 m/s	63 / 83 fpm
Lowering speed loaded / unloaded (adjustable)		0.40 / 0.40 m/s	79 / 79 fpm
Side shift speed loaded / unloaded (adjustable)		0.20 / 0.20 m/s	40 / 40 fpm
Vehicle weight including battery		7400 - 8800 kg	16,314 - 19,400 lbs
Axle load with rated load capacity drive / load		2150 / 7250; 2550 / 8250 kg	4,740 / 15,983; 5,622 / 18,188 lbs
Axle load without rated load capacity drive / load		3000 / 4400; 3400 / 5400 kg	6,614 / 9,700; 7,496 / 11,905 lbs
Tire dimension drive		381 / 152 mm	15.0 x 6.0"
Tire dimension load side		377 / 178 mm	14.8 x 7.0"
Wheel base	y	2140 mm	84.3"
Ground clearance center of wheel base	m 2	40 mm	1.6"
Operational brake		electro-magnetic	
Parking brake		deadman	
Battery Voltage / Capacity	V/Ah	80 V / 750 Ah **	80 V / 750 Ah **
Minimum Battery weight		1863 kg	4110 lbs
Drive Motor (KB 60 min)		5.0 kW	5.0 kW
Lift Motor		18 kW *	18 kW *
Motor controls		~ AC stepless technology	
Specifications subject to changes without prior notification			

* Optional 26 kW Hydraulic Motor - lift speeds available upon request

** Chassis can be extended to accept a 900 Ah battery

Duplex Mast dimensions with turret attachment

										EK 20 - 80v	
Total Lift Height h3 G + s		Lift Height (main) h3 + s		Collapsed height h1		Mast extended h4		Auxiliary mast lift h2		Extended cab h6	
mm	in.	mm	in.	mm	in.	mm	in	mm	in	mm	in
5000	196.9	3500	137.8	3170	124.8	4880	192.1	1500	59	5830	229.5
5500	216.5	4000	157.5	3420	134.6	5380	211.8	1500	59	6330	249.2
6000	236.2	4500	177.2	3670	144.5	5880	231.5	1500	59	6830	268.9
6500	255.9	5000	196.9	3920	154.3	6380	251.2	1500	59	7330	288.6
7000	275.6	5500	216.5	4170	164.2	6880	270.9	1500	59	7830	308.3
7500	295.3	6000	236.2	4420	174.0	7380	290.6	1500	59	8330	328.0
8000	315.0	6500	255.9	4670	183.9	7880	310.2	1500	59	8830	347.6
8500	334.6	7000	275.6	4920	193.7	8380	329.9	1500	59	9330	367.3
9000	354.3	7500	295.3	5170	203.5	8880	349.6	1500	59	9830	387.0
9500	374.0	8000	315.0	5420	213.4	9380	369.3	1500	59	10330	406.7
10000	393.7	8500	334.6	5670	223.2	9880	389.0	1500	59	10830	426.4
10500	413.4	9000	354.3	5920	233.1	10380	408.7	1500	59	11330	446.1
11000	433.1	9500	374.0	6170	242.9	10880	428.3	1500	59	11830	465.7
11500	452.8	10000	393.7	6420	252.8	11380	448.0	1500	59	12330	485.4
12000	472.4	10500	413.4	6670	262.6	11880	467.7	1500	59	12830	505.1
12500	492.1	11000	433.1	6920	272.4	12380	487.4	1500	59	13330	524.8
13000	511.8	11500	452.8	7170	282.3	12880	507.1	1500	59	13830	544.5

Additional heights available upon request

Triplex Mast dimensions with turret attachment - upon request

Aisle width relationship to Load dimension

Load dimensions		Clear Aisle Dimension	Attachment Arm Length	Vehicle Length 33.5" fork carriage	Intersecting Aisle w. 8" Safety Margin
Insertion	Width				
b	d	Ast	M 1 S	L	
in.	in.	in.	in.	in.	in.
48	32	69	21.7	147.2	170
48	40	69	21.7	147.2	170
48	48	69	25.6	151.2	177
40	48	60	25.6	151.2	174
32	48	56	25.6	151.2	174

Reduced vehicle length and aisle widths upon request

Aisle widths based on rail guided vehicles with 2-stage mast