

MANILEC

■ **ES 420 DL**
ES 420 DLP

Double-lift electric stacker

- Capacities :

single load pallet truck : 2000 kg

single load stacker : 1000 kg

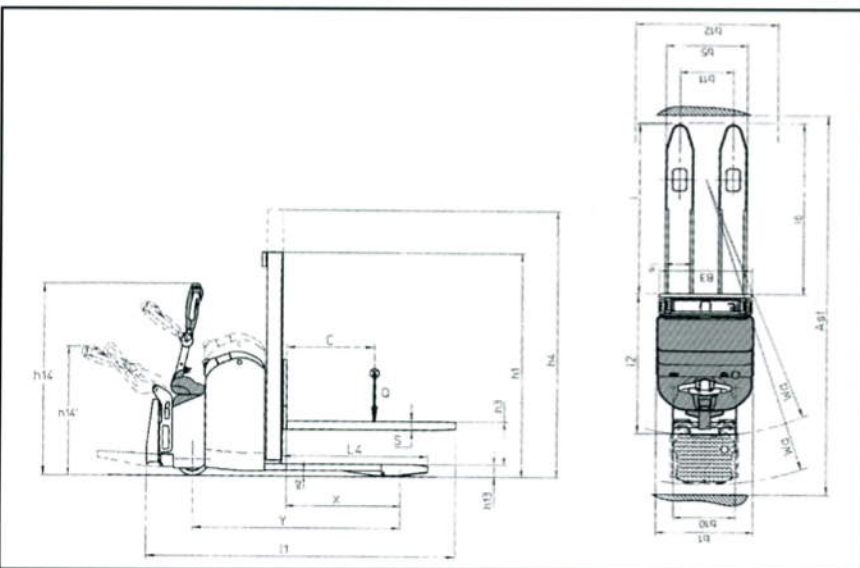
combined double load : 1000 kg



 **MANITOU**

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			ES 420 DL	ES 420 DLP	
Designation	1.1	Manufacturer			
	1.2	Model type			
	1.3	Powered by: battery, diesel, petrol, LPG, mains electric		Battery	
	1.4	Driving method: manual, walk-along, upright, seated, preparation		Battery	
	1.5	Nominal capacity	Q	t	
	1.6	Height to centre of gravity	C	mm	
	1.8	Distance from fork face to track wheels (in raised pos'n)	x	mm	
	1.9	Wheelbase (drive axle to track wheels), top/bottom position	y	mm	
	Weights	2.1	Weight in working order	kg	1045
2.2		Axle loading when load (front/rear)	kg	1470/1575	
2.3		Axle loading when unload (front/rear)	kg	732/313	
Wheels	3.1	Tyres (front/rear)		Polyurethane	
	3.2	Front wheel dimensions (dia x width)		1x230x75	
	3.3	Rear wheel dimensions (dia x width)		4x82x70	
	3.4	Outrigger dimensions		2x120x50	
	3.5	Number of wheels front / rear (x = drive wheel)		1x2/4	
	3.6	Track centres, front	b10	mm	435
	3.7	Track centres, rear	b11	mm	375
Dimensions	4.2	Height with mast lowered	h1	mm	See table of masts
	4.3	Normal free lift	h2	mm	-
	4.4	Standard lift	h3	mm	See table of masts
	4.5	Height with mast raised	h4	mm	See table of masts
	4.6	Initial lift	h5	mm	125
	4.9	Handle height in driving position	h14/h14'	mm	1340/900
	4.15	Fork height when lowered	h13	mm	80 ⁺⁵ / ₀ /210
	4.19	Overall length	l1	mm	2017
	4.20	Length to front face of forks	l2	mm	829
	4.21	Overall width	b1	mm	680
	4.22	Fork dimensions (thick x wide x long)	s/e/l	mm	60x195x1190
	4.24	Width of fork carriage	b3	mm	650
	4.25	Fork Pitch	b5	mm	570
	4.26	Width between carrying arms (min./max.)	b4	mm	-
	4.31	Ground clearance under mast	m1	mm	-
	4.32	Ground clearance at centre of wheelbase	m2	mm	30
	4.33	Aisle width with 1000x1200 pallet widthwise (l6xb12)	AST	mm	2027
4.34	Aisle width with 800x1200 pallet lengthwise (b12xl6)	AST	mm	2227	
4.35	Turning radius (top/bottom position)	Wa	mm	1751/1691	
Performance	5.1	Travel speed load/unload	km/h	6/5,6	
	5.2	Lifting speed, load/unload	m/s	0,29/0,38	
	5.3	Lowering speed, load/unload	m/s	0,5/0,45	
	5.8	Maximum slope laden/unladen (S2 5 min)	%	20/10	
	5.10	Drive brake		Electromagnetic	
	5.11	Parking brake		Electromagnetic	
Drive unit	6.1	Drive motor power (S2 60 min)	kW	1	
	6.2	Lift motor power (S3 10%)	kW	2	
	6.3	Battery type as per standard DIN 43531/35/36,A,B,C		Traction	
	6.4	Battery voltage and capacity	V/Ah	270/360	
	6.5	Battery weight (+/- 5%)	kg	280/360	
Misc	8.1	Speed control		Sepex Mosfet Variator	
	8.4	Average sound level at driver's ears (translation)	dB (A)	65	

Imp. METAFIS S.A. - 95110 Sannois - 06/2005 - REF. 1240 GB



LIFT MAST (mm)			
Type	h3 + h13	h1	h4
Simplex S17	1725	2175	2175
Duplex D17	1725	1360	2175
Duplex D21	2125	1560	2575



CE MANITOU may, without notice, improve and modify the products presented in this data sheet.

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