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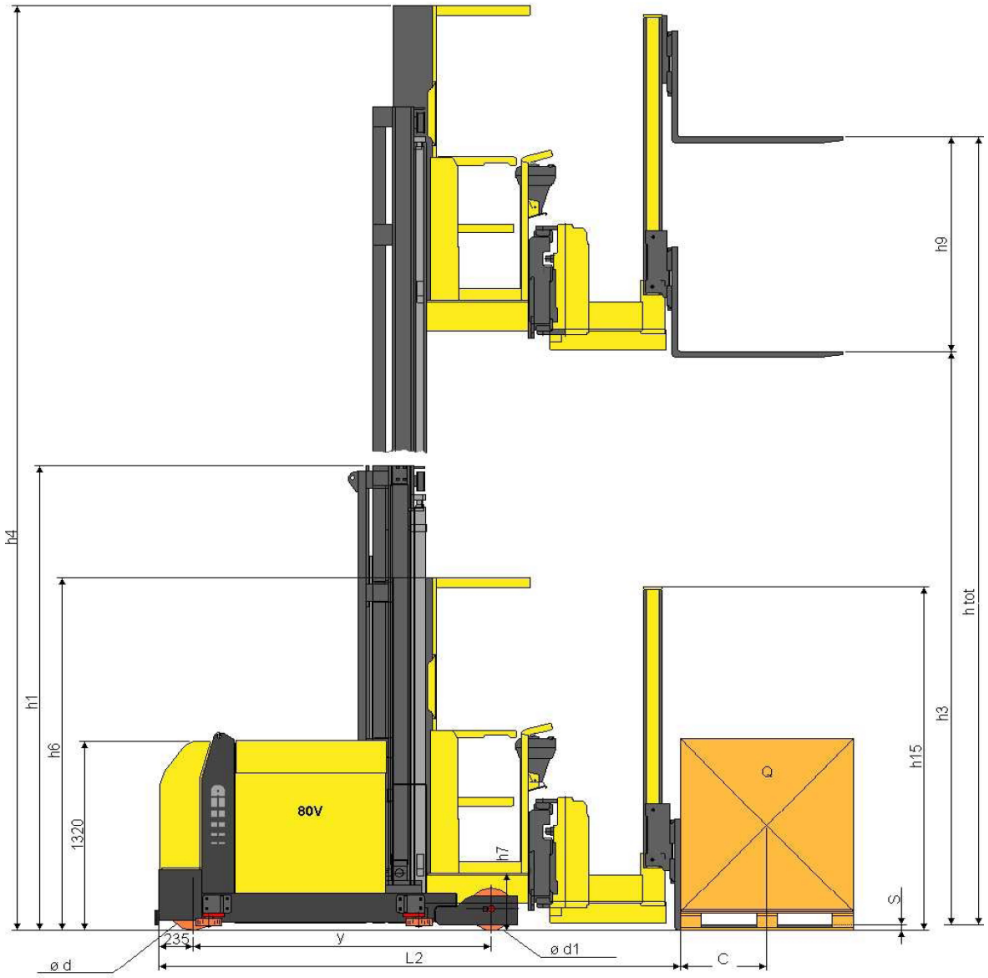
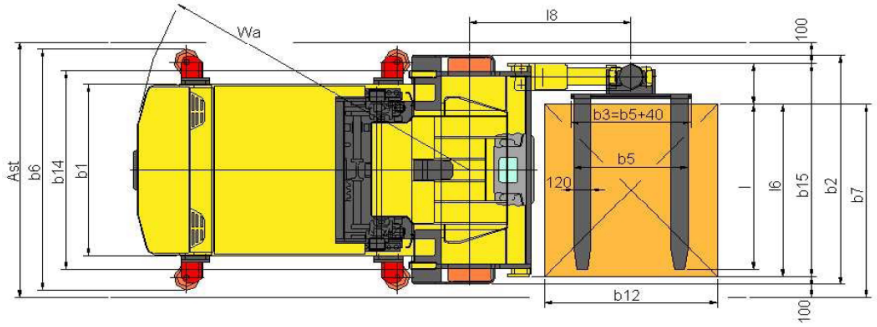
OMNI
Stacker - Picker

DCR 120





ATLET

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						DCR 120
Lift capacities		1.	Lift capacity	Q	kg	1200
		2.	Load centre	c	mm	600
		3.	Load size		mm	1200 x 1200
		4.	Stacking dept		mm	1200
	*	5.	Lift height – forks lowered	h3	mm	4500 - 9000
	*	6.	Lift height – total	(h3 + h9) htot	mm	6100 - 9600
	*	7.	Lift height – platform	h12	mm	4920 - 9920
	*	8.	Closed mast height	h1	mm	see table
	*	9.	Height of overhead guard – lowered	h6	mm	2475
	*	10.	Height of platform – lowered	h7	mm	420
	*	11.	Lift height – auxiliary lift	h9	mm	1600
	*	12.	Max total height	h4	mm	see table
		13.	Lift speed. Without load		m/s	0.45
			With load		m/s	0.45
		14	Lowering speed. Without load		m/s	0.45
			With load		m/s	0.45
Drive capacities	**	15.	Drive speed. Without load/with load	Vx	km/h	12/12
			Without load/with load		m/s	3.33/3.33
		16.	Turning radius	Wa	mm	2320
	**	17.	Stacking aisle	Ast	mm	1660
	***	18.	Intersecting aisle – min. Load length 1200 mm	Ast3	mm	4260
Truck measurements	*	19.	Wheelbase	Y	mm	2000
	*	20.	Length to fork heel	(ZT) l2	mm	3610
		21.	Fork dimensions – length/thickness/width	l/s/e	mm	1200/40/120
		22.	Stacking depth	l6	mm	1200
		23.	Frame width	(ZT) b1	mm	1200
		24.	Width over load wheels – min	b2	mm	1500
		25.	Width over guide rollers – min	b6	mm	1605
		26.	Thrust distance – min	b7	mm	1275
		27.	Pallet width	b12	mm	1200
		28.	Cab width – min	b14	mm	1380
Weights		29.	Total weight with battery (approx)		kg	7000-7500
		30.	Wheel pressure – maximum values		daN/cm2	72
			(varies with height and weight)			
Motors		31.	Battery capacity (approx)		Ahc	620
		32.	Battery capacity (approx)		kWh	49.6
		33.	Battery voltage		V	80
		34.	Drive motor		kW	7.5 AC
		35.	Speed regulation			Transistor
		36.	Lift motor		kW	22
Steering/brake system		37.	Wheel type front/rear.			Vulcollan
		38.	Number of wheels front/rear.			2/1
		39.	Wheel dimensions			
		40.	Load wheels – diameter/width.		mm	380 x 157
		41.	Drive wheel – diameter/width.		mm	406 x 178
		42.	Steering			Electr-hydr
		43.	Service brake			Dynamic
						motor brake
		44.	Emergency brake/Parking brake			Hydr/Mec

All details in accordance with VDI 2198

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* Note designations on Omni Range
** Specifications are relative to rail guidance
*** Practical intersecting aisle: +500 mm with rail guidance, +1000 mm with wire guidance

DCR 120				
Telescopic mast - ZT				
h_3 Fork lift height	h_{tot} Total fork lift height	h_{12} Platform lift height	h_1 Mast height lowered	h_4 Max height overhead guard
4500	6100	4920	3250	6970
5500	6600	5920	3750	7970
6500	8100	6920	4250	8970
7500	9100	7920	4750	9970
8500	10100	8920	5250	10970
9500	11100	9920	5750	11970

DCR 120				
Double telescopic mast - DT				
h_3 Fork lift height	h_{tot} Total fork lift height	h_{12} Platform lift height	h_1 Mast height lowered	h_4 Max height overhead guard
4500	6000	4920	2500	6970
5250	6750	5670	2750	7720
6000	7500	6420	3000	8470
6750	8350	7170	3250	9220
7500	9000	7920	3500	9970
8250	9750	8670	3750	10720
9000	10600	9420	4000	11470