

# Very narrow aisle truck 1.5 ton

## BT vector

*A-series*

VCE150A



# Very Narrow Aisle truck

Truck specifications					VCE150A
Identification	1.1	Manufacturer			BT
	1.2	Model			VCE150A
	1.3	Drive			Electric
	1.4	Operator type			Stand on/Seated
	1.5	Load capacity/rated load	Q	kg	1500
	1.6	Load centre	c	mm	600
	1.9	Wheelbase	y	mm	1655
Weight	2.1	Service weight without battery		kg	6920*
	2.2	Axle load, with load, drive/support arm wheel		kg	4303/5795
	2.3	Axle load, without load, drive/support arm wheel		kg	5182/3415
Wheels	3.1	Drive/support arm wheel			Vulkollan
	3.2	Wheel size, front		mm	Ø 300x100
	3.3	Wheel size, rear		mm	Ø 350x128
	3.5	Wheels, number front/rear (x=driven wheels)			4/2x
	3.6	Track width, front	$b_{10}$	mm	1258*
	3.7	Track width, rear	$b_{11}$	mm	1010
	Dimensions	4.2	Height, mast lowered	$h_1$	mm
4.4		Lift movement	$h_3$	mm	8190*
		Total lift height	$h_{23}$	mm	10250*
4.5		Height, mast extended	$h_4$	mm	11040*
4.7		Height of overhead guard	$h_6$	mm	2544
4.8		Step-in height	$h_7$	mm	412
4.11		Additional lift	$h_9$	mm	1990*
4.14		Platform height, elevated	$h_{12}$	mm	8600*
4.15		Height of lowered forks	$h_{13}$	mm	80
		Height of auxiliary lift mast	$h_{15}$	mm	2780*
4.19		Overall length	$l_1$	mm	3846
4.20		Length to face of forks	$l_2$	mm	3616
4.21		Overall width	$b_1/b_2$	mm	1270/1520*
4.22		Fork dimensions	s/e/l	mm	40/120/1200*
4.25		Width over forks	$b_5$	mm	793*
4.31		Ground clearance, with load, below mast	$m_1$	mm	60
		Turning radius		mm	1698
4.38	Distance front axle to boom pivot	$l_8$	mm	828*	
Electric motor/Performance data	5.1	Travel speed, with/without load		km/h	10,0/12,0
	5.2	Lift speed, with/without load		m/s	0,40/0,45
	5.3	Lowering speed, with/without load		m/s	0,40/0,40
	5.10	Service brake			Electric
	5.11	Parking brake			Electro-mechanical
Electric motor	6.1	Drive motor rating S2 60 min		kW	2x5,5
	6.2	Lift motor rating S3 25%		kW	14,5
	6.4	Battery voltage, nominal capacity $K_5$		V/Ah	48/1240
	6.5	Battery weight		kg	1790
	Other	8.1	Type of drive control		

\* Other dimensions available

All data are based on table configuration. Other configurations may give other values.

Performance and dimensions are nominal and subject to tolerances.

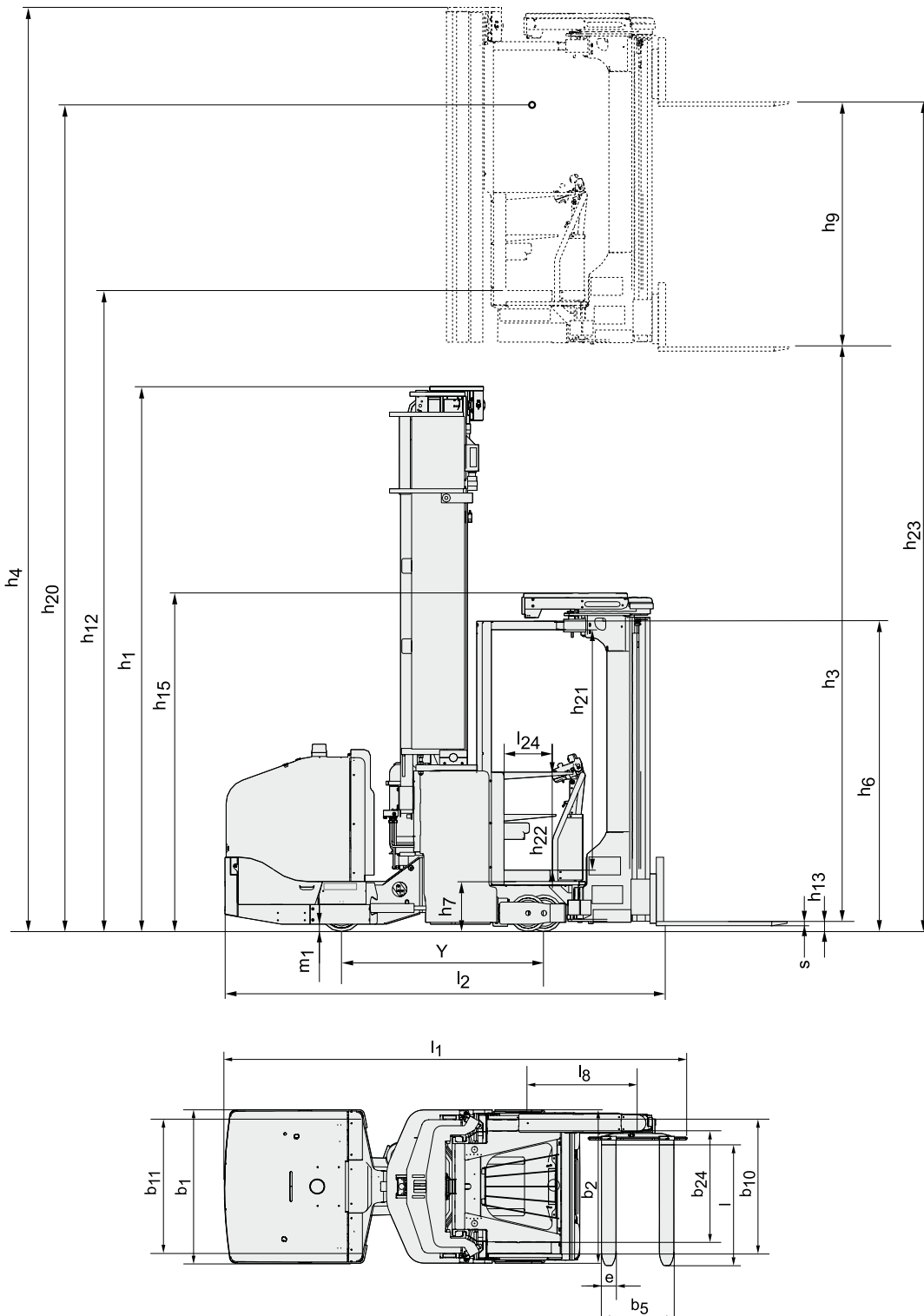
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# Mast dimensions

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Mast				Triplex Tele									
VCE150A	Platform height	$h_{12}$	mm	4100	4700	5300	6050	7400	8600	9800	11000	11600	12650
	Lift	$h_3$	mm	3680	4280	4910	5630	6980	8190	9380	10580	11180	12260
	Total lift height <sup>1)</sup>	$h_{23}$	mm	5750	6350	6950	7700	9050	10250	11450	12650	13250	14300
	Picking height	$h_{28}$	mm	5700	6300	6900	7650	9000	10200	11400	12600	13200	14250
	Height, mast lowered	$h_1$	mm	2790	2960	3160	3460	3960	4460	4960	5460	5660	6040
	Height, mast extended	$h_4$	mm	6540	7140	7740	8490	9840	11040	12240	13440	14040	15090

1)  $h_{23} = h_3 + h_9 + h_{13}$



## Truck features:

- BT Advanced lifting system (ALS)
- BT Optipace system
- Wire/rail guidance
- Automatic parking brake
- Camera/monitor system
- Clear view mast
- Adjustable seat
- Coldstore version



TP - Technical Publications, Sweden — 748432-040, 1310