

Very narrow aisle truck 1.5 ton

BT vector

A-series

VCE150A



Very Narrow Aisle truck

Truck specifications					VCE150A
Identification	1.1	Manufacturer			Toyota
	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	4460*
	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 _s		V/Ah	48/1240
	6.5	Battery weight		kg	1790
Other	8.1	Type of drive control			Variable AC

* Other dimensions available.

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

Truck performance and dimensions are nominal and subject to tolerances.

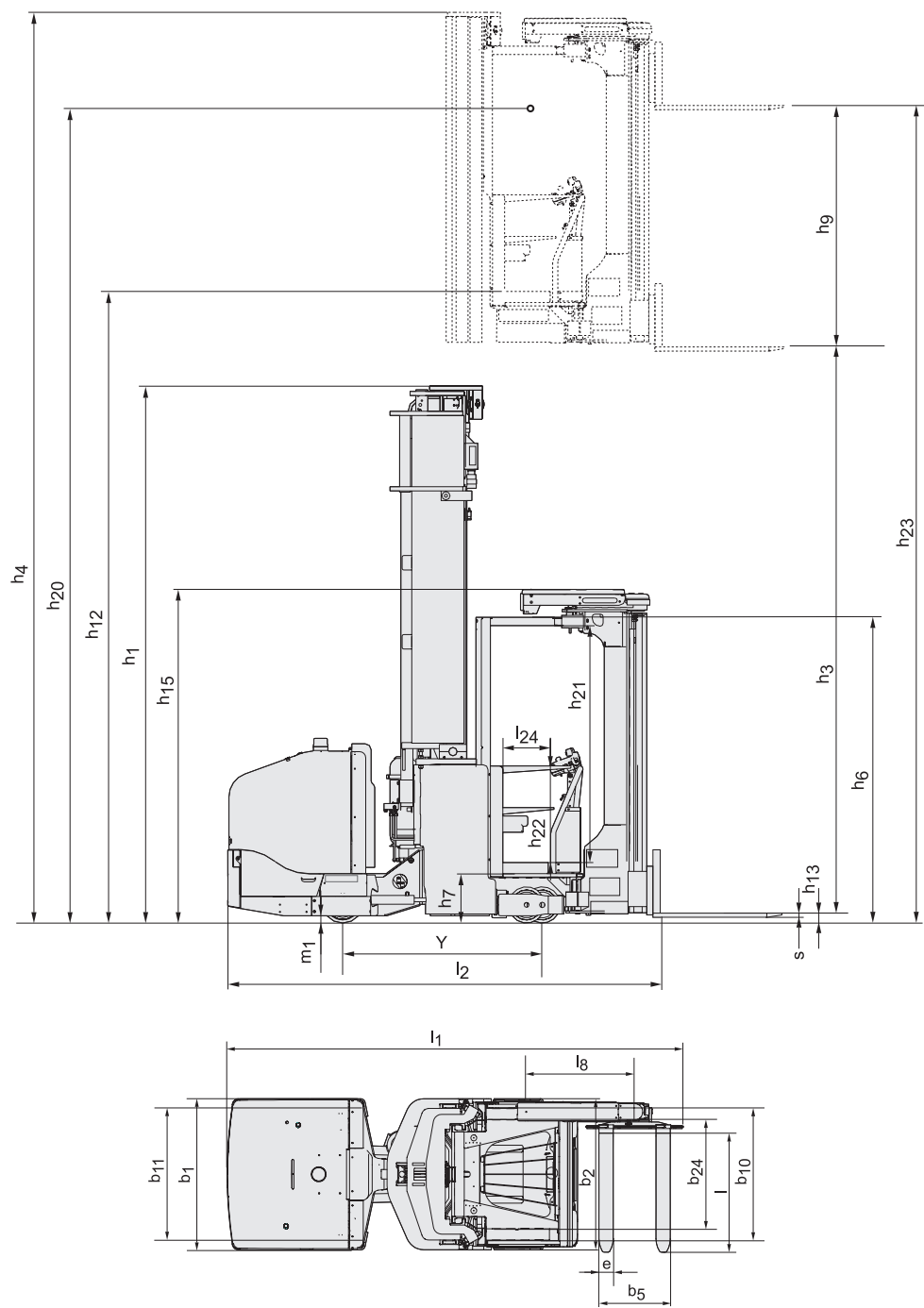
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Mast dimensions

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Mast				Triplex Tele										
VCE150A	Platform height	h_{12}	mm	4100	4700	5300	6050	7400	8600	9800	11000	11600	12650	14050
	Lift	h_3	mm	3680	4280	4910	5630	6980	8190	9380	10580	11180	12230	
	Total lift height ^{1) 2)}	h_{23}	mm	5750	6350	6950	7700	9050	10250	11450	12650	13250	14300	—
	Total lift height ^{1) 3)}	h_{23}	mm	—	—	7490	8240	9590	10790	11990	13190	13790	14840	—
	Total lift height ^{1) 4)}	h_{23}	mm	—	—	—	—	—	—	—	—	—	—	16800
	Picking height	h_{28}	mm	5700	6300	6900	7650	9000	10200	11400	12600	13200	14250	15650
	Height, mast lowered ²⁾	h_1	mm	2790	2960	3160	3460	3960	4460	4960	5460	5660	6040	—
	Height, mast lowered ³⁾	h_1	mm	—	—	3320	3460	3960	4460	4960	5460	5660	6040	—
	Height, mast lowered ⁴⁾	h_1	mm	—	—	—	—	—	—	—	—	—	—	6200
	Height, mast extended ²⁾	h_4	mm	6540	7140	7740	8490	9840	11040	12240	13440	14040	15090	—
	Height, mast extended ⁴⁾	h_4	mm	—	—	—	—	—	—	—	—	—	—	17590

- 1) $h_{23} = h_3 + h_9 + h_{13}$
- 2) Auxiliary mast $h_9 = 1990$ mm
- 3) Auxiliary mast $h_9 = 2530$ mm
- 4) Auxiliary mast $h_9 = 3090$ mm



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



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