

Very narrow aisle truck 1.25 ton



BT vector

A-series

VCE125ASF



Very Narrow Aisle truck

Truck specifications					VCE125ASF
Identification	1.1	Manufacturer			Toyota
	1.2	Model			VCE125ASF
	1.3	Drive			Electric
	1.4	Operator type			Stand on/Seated
	1.5	Load capacity/rated load	Q	kg	1250
	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	5650/4200
	2.3	Axle load, without load, drive/support arm wheel		kg	3400/5200
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	1008*
	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	9290*
	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	750
	4.14	Platform height, elevated	h ₁₂	mm	5300*
	4.15	Height of lowered forks	h ₁₃	mm	350
		Height of auxiliary lift mast	h ₁₅	mm	1340
	4.19	Overall length	l ₁	mm	4067*
	4.20	Length to face of forks	l ₂	mm	3616
	4.21	Overall width	b ₁ /b ₂	mm	1270/1270*
	4.22	Fork dimensions	s/e/l	mm	65/180/1200
	4.25	Width over forks	b ₅	mm	550
	4.31	Ground clearance, with load, below mast	m ₁	mm	60
		Turning radius		mm	1698
	4.38	Distance to centre of forks	l ₈	mm	1127*
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	14,0
	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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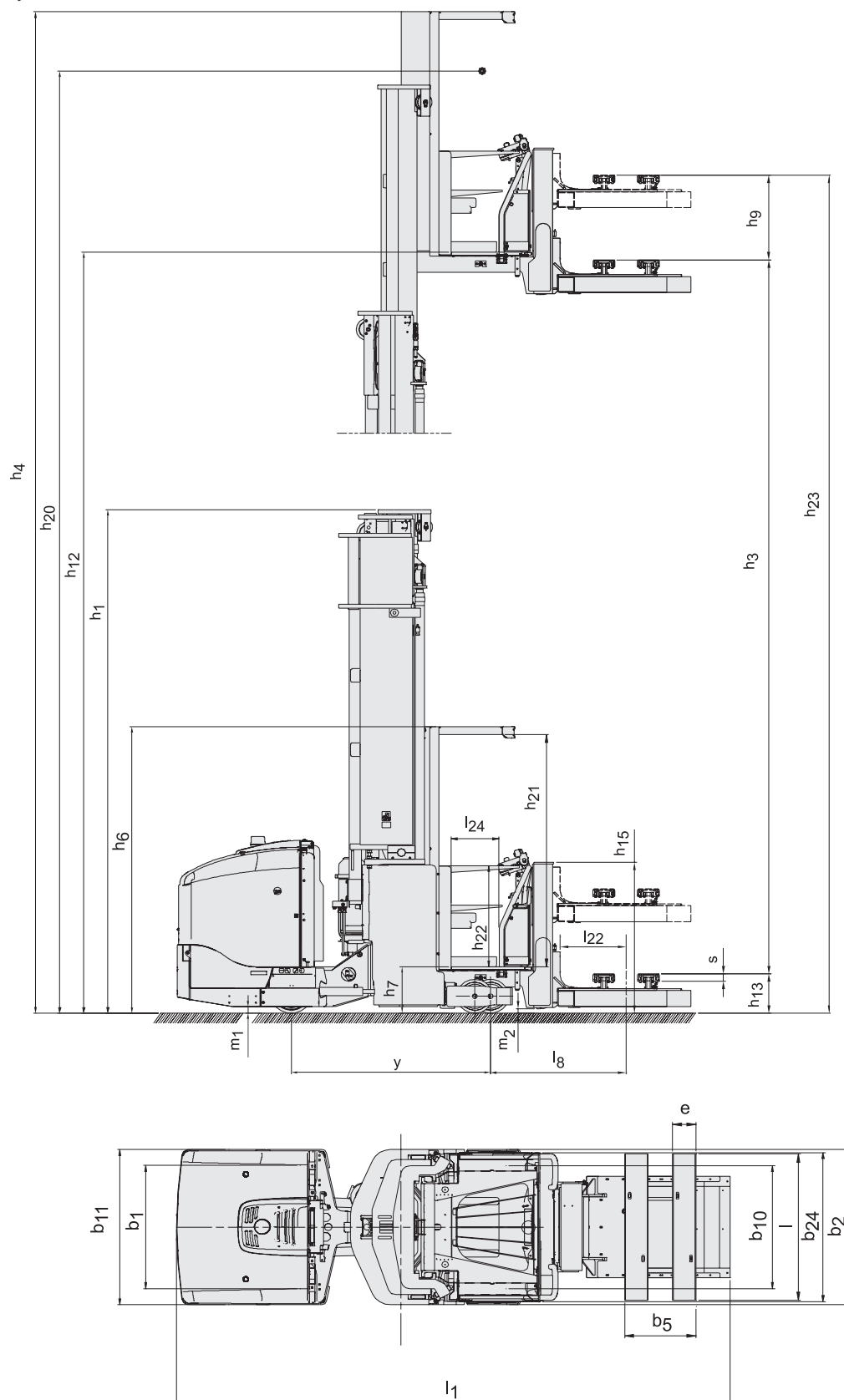
Mast dimensions

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Mast				Triplex Tele									
VCE/25ASF	Platform height	h_{12}	mm	4100	4700	5300	6050	7400	8600	9800	11000	11600	12650
		h_3	mm	3690	4290	4920	5640	6990	8190	9380	10590	11190	12240
	Total lift height ^{1) 2)}	h_{23}	mm	4790	5390	5990	6740	8090	9290	10490	11690	12290	13340
	Picking height	h_{28}	mm	5700	6300	6900	7650	9000	10200	11400	12600	13200	14250
	Height, mast lowered ²⁾	h_1	mm	2790	2960	3160	3460	3960	4460	4960	5460	5660	6040
	Height, mast extended	h_e	mm	6230	6830	7430	8180	9530	10730	11930	13130	13730	14780

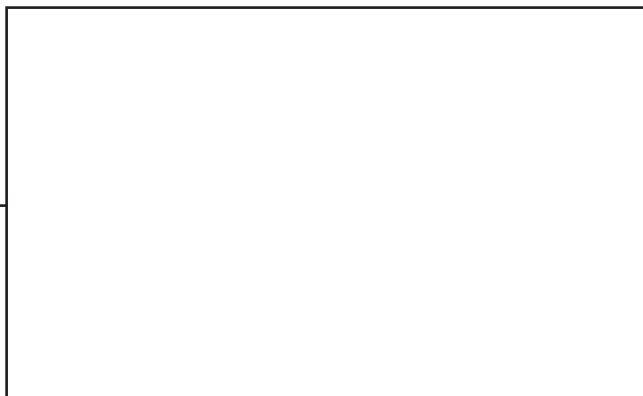
$$1) h_{23} = h_3 + h_9 + h_{13}$$

2) Auxiliary mast $h_9 = 750 \text{ mm}$



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



TMHE - Toyota Material Handling Europe — 748433-040, 2018-07-04

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