

Very narrow aisle truck 1.35 ton

BT vector

C-series

VCE135



Very Narrow Aisle truck

Truck specifications					VCE135 Tx	VCE135 Dx
Identification	1.1	Manufacturer			Toyota	Toyota
	1.2	Model			VCE135	VCE135
	1.3	Drive			Electric	Electric
	1.4	Operator type			Seated	Seated
	1.5	Load capacity/rated load	Q	kg	1350	1350
	1.6	Load centre	c	mm	600	600
	1.9	Wheelbase	y	mm	2050	2050
Weight	2.1	Service weight with battery		kg	10800	10200
	2.2	Axle load, with load, drive/support arm wheel		kg	7600/3200	7200/3000
	2.3	Axle load, without load, drive/support arm wheel		kg	6500/4300	6120/4080
Wheels	3.1	Drive/support arm wheel			Vulkollan	Vulkollan
	3.2	Wheel size, front		mm	Ø 380x157	Ø 380x157
	3.3	Wheel size, rear		mm	Ø 406x178	Ø 406x178
	3.5	Wheels, number front/rear (x = driven wheels)			2/1x	2/1x
	3.6	Track width, front	b ₁₀	mm	1293	1293
	3.7	Track width, rear	b ₁₁	mm	0	0
	Dimensions	4.2	Height, mast lowered	h ₁	mm	3700
4.4		Lift movement	h ₃	mm	6750	5000
		Total lift height	h ₂₃	mm	8400	6650
4.5		Height, mast extended	h ₄	mm	9225	7475
4.7		Height of overhead guard	h ₆	mm	2470	2470
4.8		Step-in height	h ₇	mm	450	450
4.11		Additional lift	h ₉	mm	1600, 1800	1600, 1800
4.14		Platform, elevated	h ₁₂	mm	7200	5450
4.15		Height of lowered forks	h ₁₃	mm	70	70
		Height of auxiliary lift mast	h ₁₅	mm	2475, 2675	2475, 2675
4.19		Overall length, without load	l ₁	mm	4050	4010
4.20		Length to face of forks	l ₂	mm	3845	3805
4.21		Overall width	b/b ₂	mm	1280/1450	1280/1450
4.22		Fork dimensions	s/e/l	mm	120/50/1200	120/50/1200
4.23		Fork carriage DIN 15 173, class/type A, B			IIB	IIB
4.24		Fork-carriage width	b ₃	mm	832	832
4.25		Width over forks	b ₅	mm	792	792
4.29		Lateral reach	b ₇	mm	1330	1330
4.31		Ground clearance, with load, below mast	m ₁	mm	75	75
4.33		Aisle width for pallets 1200x1200 crossways (rail)	A _{st}	mm	1660	1660
4.35	Turning radius	W _a	mm	2370	2370	
4.38	Distance front axle to boom pivot	l ₈	mm	1266	1224	
Performance data	5.1	Travel speed, with/without load		km/h	12,0/12,0	12,0/12,0
	5.2	Lift speed, with/without load		m/s	0,43/0,43	0,43/0,43
	5.3	Lowering speed, with/without load		m/s	0,45/0,45	0,45/0,45
	5.4	Lateral reach, with/without load		m/s	0,40/0,40	0,40/0,40
	5.9	Acceleration time, with/without load (0-10m)		s	8,0/8,0	8,0/8,0
	5.10	Service brake			Electrical	Electrical
	5.11	Parking brake			Electro-mechanical	Electro-mechanical
Electric motor	6.1	Drive motor rating S2 60 min		kW	7,5	7,5
	6.2	Lift motor rating S3 15%		kW	25+3,5	25+3,5
	6.4	Battery voltage, nominal capacity K _s		V/Ah	80/775	80/775
	6.5	Battery weight		kg	1930	1930
	6.6	Energy consumption acc to VDI cycle ¹⁾		kWh/h		
	Other	8.1	Type of drive control			Variable AC
8.4		Sound level at the driver's ear according to EN 12 053		dB(A)	65	65

1) Contact your supplier for information.

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

Truck performance and dimensions are nominal and subject to tolerances.

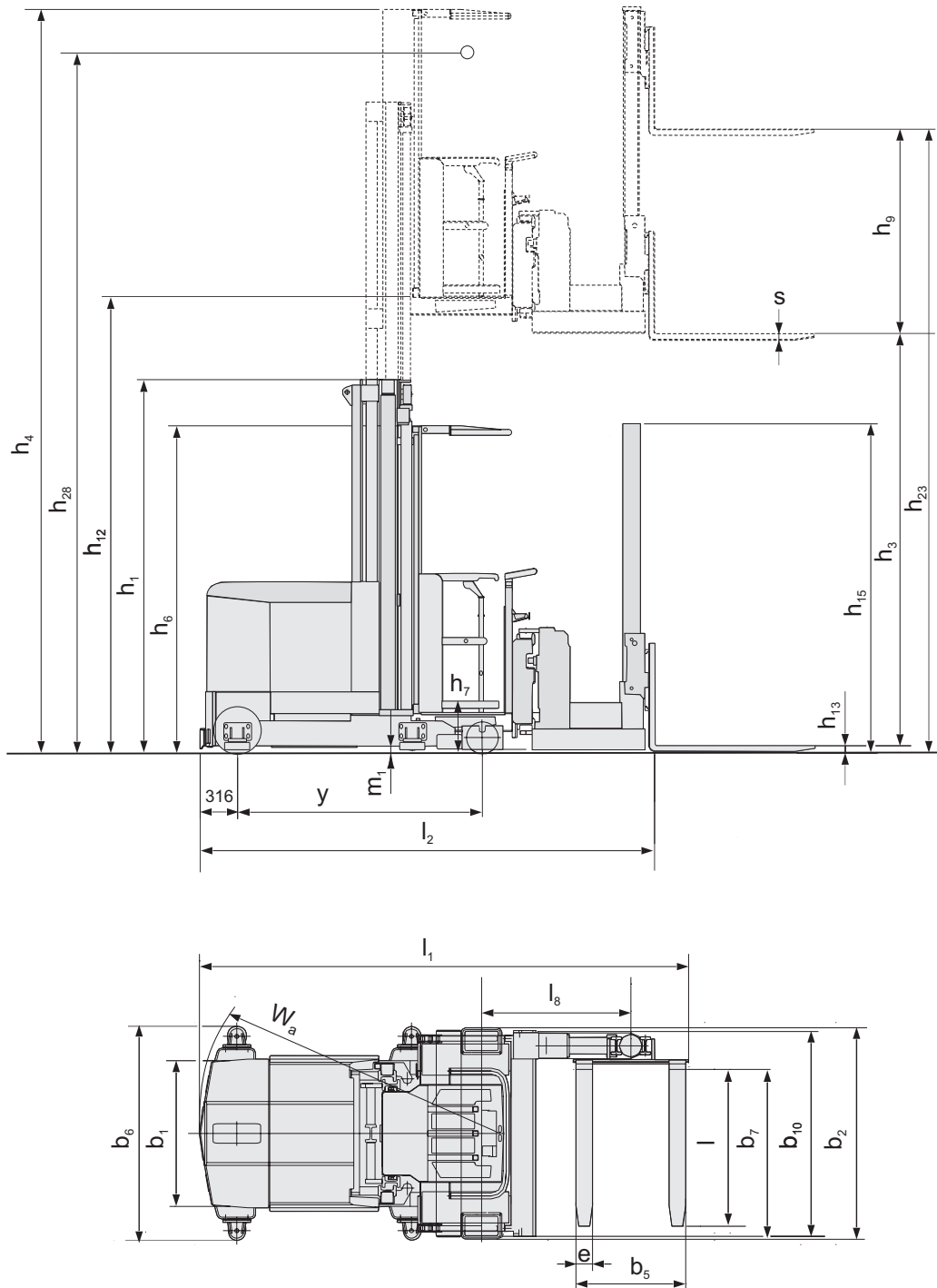
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Mast dimensions

Mast				Duplex Tele					Triplex Tele Compact - 1200 kg maximum capacity					
VCE135	Platform height	h_{12}	mm	5450	6450	7450	8450	9450	4950	5700	6450	7950	8700	9450
	Lift movement	h_3	mm	5000	6000	7000	8000	9000	4500	5250	6000	7500	8250	9000
	Total lift height ¹⁾	h_{23}	mm	6650	7650	8650	9650	10650	5690	6890	7640	9140	9890	10640
	Picking height	h_{28}	mm	7050	8050	9050	10050	11050	6550	7300	8050	9550	10300	11050
	Height, mast lowered	h_1	mm	3950	4450	4950	5450	5950	2700	2950	3200	3700	3950	4200
	Height, mast extended	h_4	mm	7475	8475	9475	10475	11475	6975	7725	8475	9975	10725	11475

Mast				Triplex Tele										
VCE135	Platform height	h_{12}	mm	5700	7200	7950	8700	9450	10200	10950	11700	12450	13200	13950
	Lift movement	h_3	mm	5250	6750	7500	8250	9000	9750	10500	11250	12000	12750	13500
	Total lift height ¹⁾	h_{23}	mm	6900	8400	9150	9900	10650	11400	12150	12900	13650	14400	15150
	Picking height	h_{28}	mm	7300	8800	9550	10300	11050	11800	12550	13300	14050	14800	15550
	Height, mast lowered	h_1	mm	3200	3700	3950	4200	4450	4700	4950	5200	5450	5700	5950
	Height, mast extended	h_4	mm	7725	9225	9975	10725	11475	12225	12975	13725	14475	15225	15975

1) $h_{23} = h_3 + h_9 + s$ ($h_9 = 1600$ mm)



Truck features:

- BT Optipace system
- Wire/rail guidance
- Electronic steering
- Steering direction indicator
- Automatic deceleration
- Electronic braking system
- Adjustable seat
- Battery status indicator
- Battery discharge prevention system



TP - Technical Publications, Sweden — 748431-040, version 6, 1603

TOYOTA

MATERIAL HANDLING