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			BT	BT
	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	3950
	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_1/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 1200 x 1200 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_5		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	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.
Performance and dimensions are nominal and subject to tolerances.
BT products and specifications are subject to change without notice.

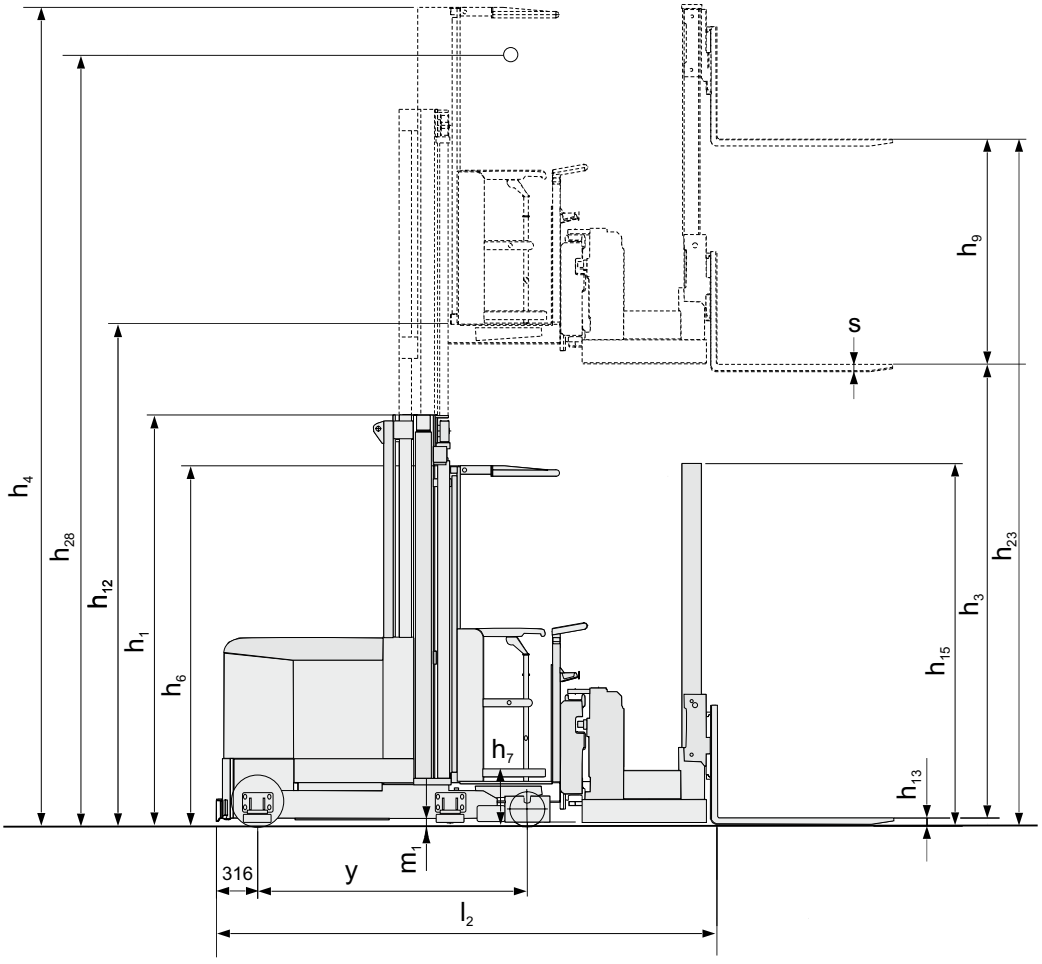
Mast dimensions

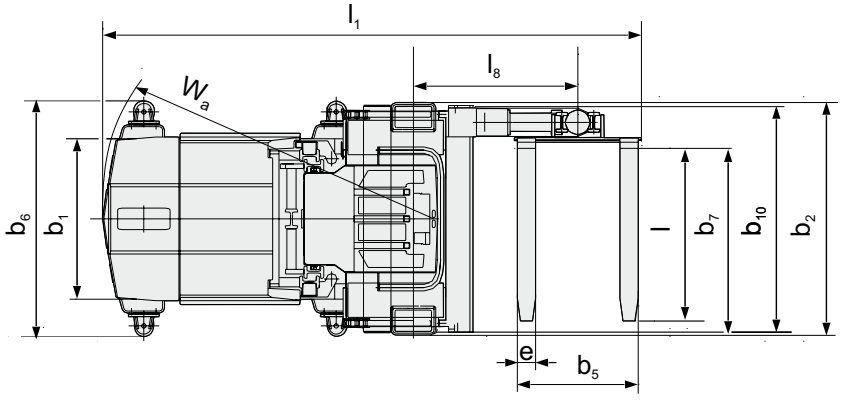
BT vector

Mast				Triplex Tele							
VCE135	Platform height	h_{12}	mm	7200	7950	8700	9450	10200	10950	11670	12450
	Lift movement	h_3	mm	6750	7500	8250	9000	9750	10500	11250	12000
	Total lift height [1]	h_{23}	mm	8400	9150	9900	10650	11400	12150	12900	13650
	Picking height	h_{28}	mm	8800	9550	10300	11050	11800	12550	13270	14050
	Height, mast lowered	h_1	mm	3700	3950	4200	4450	4700	4950	5200	5450
	Heigh, mast extended	h_4	mm	9225	9975	10725	11475	12225	12975	13725	14475

Mast				Duplex Tele				
VCE135	Platform height	h_{12}	mm	5450	6450	7450	8450	9450
	Lift movement	h_3	mm	5000	6000	7000	8000	9000
	Total lift height [1]	h_{23}	mm	6650	7650	8650	9650	10650
	Picking height	h_{28}	mm	7050	8050	9050	10050	11050
	Height, mast lowered	h_1	mm	3950	4450	4950	5450	5950
	Height, mast extended	h_4	mm	7475	8475	9475	10475	11475

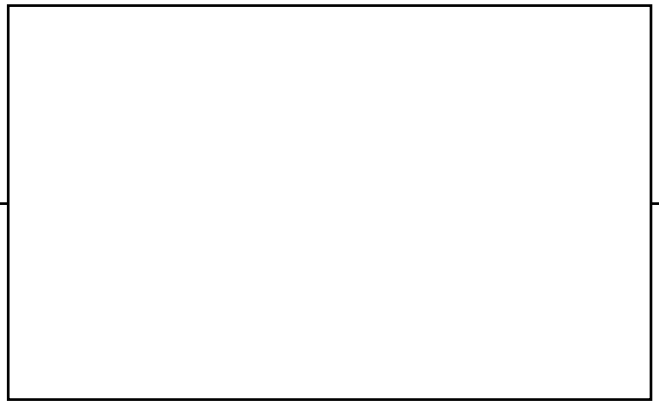
1) $h_{23} = h_3 + h_9 + s$ (h_9 = 1600 mm)





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 5, 1308