



The VCE100 is the smallest Combi truck in the successful BT VNA man-up range. Though small in size, the VCE100 offers high performance and excellent capacity in VNA order picking and pallet handling applications.



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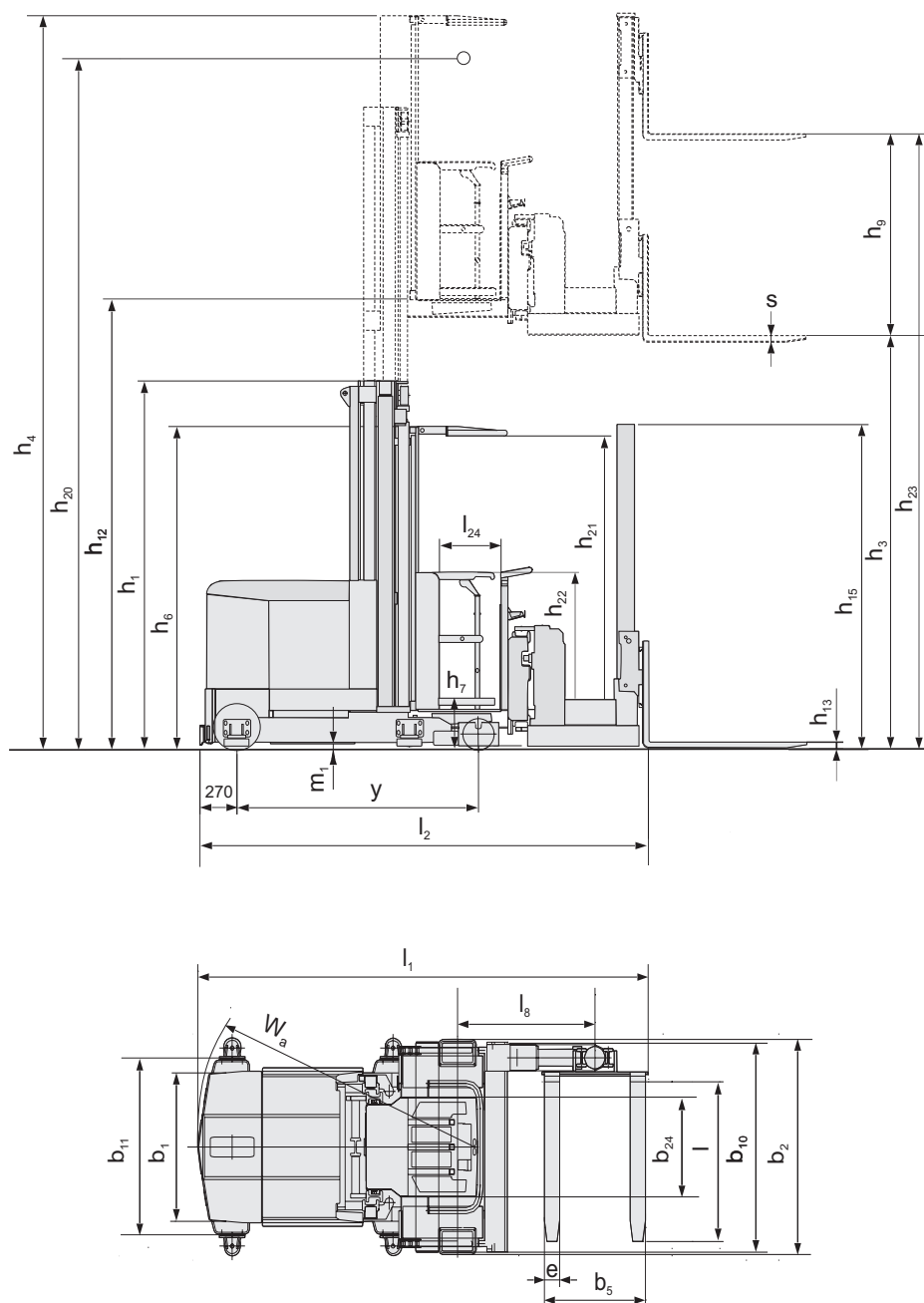
Technical Details		VCE100
Power unit		electrical, battery
Operating type		stand on/ride on
Rated capacity	kg	1000
Load centre	mm	600
Weight without battery, min./max.	kg	2815—3615
Wheel type		Vulkollan
Wheel dimension, fork side	mm	Ø 240 x 140
Wheel dimension, drive wheel side	mm	Ø 343 x 140
Number of wheels, fork side		2
Number of wheels, drive wheel side		1
Travel speed, without/with rated load	km/h	9.0/8.5
Main lifting speed, without/with rated load	m/s	0.39/0.36
Auxiliary lifting speed, without/with rated load	m/s	0.40/0.30
Main lowering speed, without/with rated load	m/s	0.35/0.40
Auxiliary lowering speed, without/with rated load	m/s	0.20/0.40
Drive motor/Intermittent rating (S2 60')	kW	5.2
Lift motor/Intermittent rating (S3 15%)	kW	13.5
Battery weight, min.	kg	1085
Battery (5h discharge)	V/Ah	48/700
Battery (5h discharge)	kWh	33.6
Service brake		electric
Parking brake		electro-mechanical
Steering system		electric, AC
Speed control		Variable AC

Dimensions, mm		VCE100
y	Wheel base	1765
b ₁₀	Track width fork side c/c	1000—1500
b ₁₁	Track width rear c/c	0
h ₆	Height of cab	2370
h ₇	Instep height	330
h ₉	Auxiliary lift movement	1600, 1800
h ₁₃	Height of lowered fork	60
h ₁₅	Height of auxiliary lift mast	2370, 2570
h ₂₁	Height of cab inside	2010
h ₂₂	Height of cab sides	900
l ₁	Total truck length	3474
l ₂	Truck length incl. fork front face	3228
l ₈	Front axle to boom pivot	967—1312
l ₂₄	Entrance width	430
b ₁	Chassis width, back	1070
b ₂	Chassis width, front	1150—1650
b ₂₄	Cab width	1280-1780
s	Fork thickness	40
e	Fork width	100
l	Fork length	1200 (800—1400)
b ₅	Width across fork	544/620/772
m ₁	Floor clearance	50
W _a	Turning radius	2017

Truck performance and dimensions are nominal and subject to tolerances.
BT Products AB products and specifications are subject to change without notice.
All data is based on VDI 2198.

Mast, mm	VCE100 Duplex Tele						
h₁₂ Platform height	3210	3710	4210	4710	5210	5710	6210
h₃ Lift movement	2900	3400	3900	4400	4900	5400	5900
h₂₀ Picking height	4810	5310	5810	6310	6810	7310	7810
Standard Auxiliary							
h₂₃ Total lift height¹⁾	4540	5040	5540	6040	6540	7040	7540
h₁ Height of truck, min.	2450	2700	2950	3200	3450	3700	3950
h₄ Height of truck, max.	5270	5770	6270	6770	7270	7770	8270
High Auxiliary (Option)							
h₂₃ Total lift height¹⁾	4740	5240	5740	6240	6740	7240	7740
h₁ Height of truck, min.	2570	2700	2950	3200	3450	3700	3950
h₄ Height of truck, max.	5470	5970	6470	6970	7470	7970	8470

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





- The stable chassis and rigid duplex mast allows the VCE100 to lift a 1000 kg load up to 6.0 m and 700 kg up to 7.5 m.
- The spacious cab is designed to encourage peak operator performance by keeping stress and strain to a minimum.
- The advanced hydraulic lift system combined with smooth acceleration and "Optipace" drive speed regulation allows very fast and confident load handling.
- The Can-Bus simplifies the electrical system by reducing wiring and increases the flexibility of the truck control system.
- A compact truck for compact storage that fits into a 1460 mm wide aisle with ease. Can be adapted to fit most common aisle and load sizes as standard.



Truck features	VCE100
Adjustable width over forks	S
Elevating platform	S
Wire/rail guidance	O
Controls and instruments	
Electronic height indicator	S
Power/electronic steering	S
Steering direction indicator	S
Driving features	
Automatic deceleration	S
Electronic braking system	S
Electronic speed control	S
Safety features	
Automatic parking brake	S
BT Optipace system	S
Clear view mast	S
Electronic support arm brakes	O
Drivers compartment features	
Adjustable seat	S
Adjustable steering wheel	S
Low step-in	S
Writing table	O
Maintenance features	
Fault diagnosis facility	S
Battery management features	
Battery status indicator	S
Battery discharge prevention system	S
Sideways battery change	S

S = Standard feature

O = Optional feature

— = Not available

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