



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.



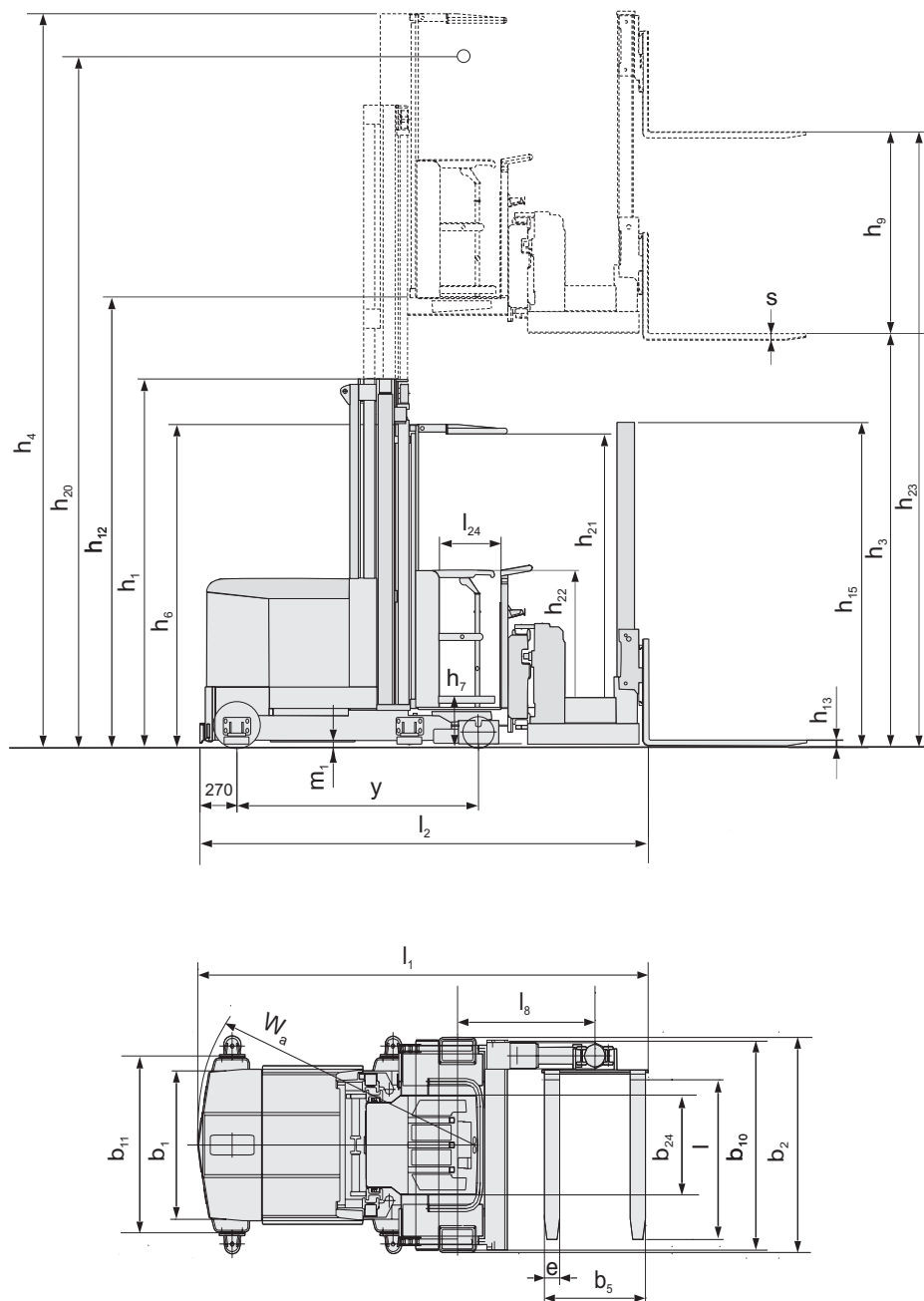
| Technical Details | | VCE100 |
|---|------|---------------------|
| Power unit | | electrical, battery |
| Operating type | | stand on/ride on |
| Rated capacity | kg | 1000 |
| Load centre | mm | 600 |
| Weight without battery, min./max. | kg | 2815—3615 |
| Wheel type | | Vulkollan |
| Wheel dimension, 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