# Very narrow aisle truck 1.35 ton

**BT vector**

*C-series*

VCE135













TOYOTA

MATERIAL HANDLING

www.toyota-forklifts.eu

stronger together

# Very Narrow Aisle truck

| Truck specifications | | | | | VCE135 Dx | VCE135 Tx |
|---|---|---|---|---|---|---|
| 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 | 1350 | 1150 |
| | 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 | 8350 | 6600 |
| | 4.5 | Height, mast extended | $h_4$ | mm | 9235 | 7485 |
| | 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 | 1600 |
| | 4.14 | Platform, elevated | $h_{12}$ | mm | 11700 | 11450 |
| | 4.15 | Height of lowered forks | $h_{13}$ | mm | 70 | 70 |
| | | Height of auxiliary lift mast | $h_{15}$ | mm | 2475 | 2475 |
| | 4.19 | Overall length, without load | $l_1$ | mm | 4040 | 4040 |
| | 4.20 | Length to face of forks | $l_2$ | mm | 3760 | 3760 |
| | 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 | 772 | 772 |
| | 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 | 1152 | 1132 |
| 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 | 7,0/7,0 | 7,0/7,0 |
| | 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

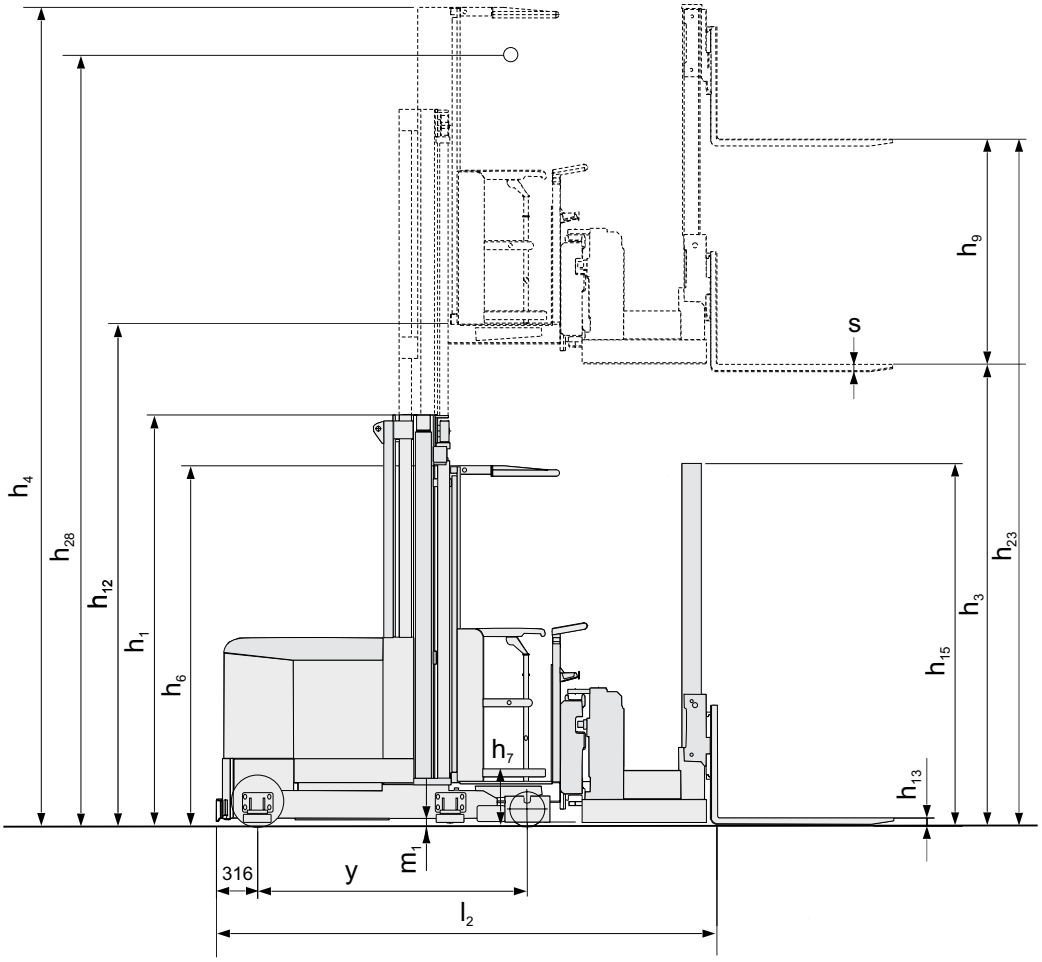
All data are based on table configuration. Other configurations may give other values.
Performance and dimensions are nominal and subject to tolerances.
BT products and specifications are subject to change without notice.

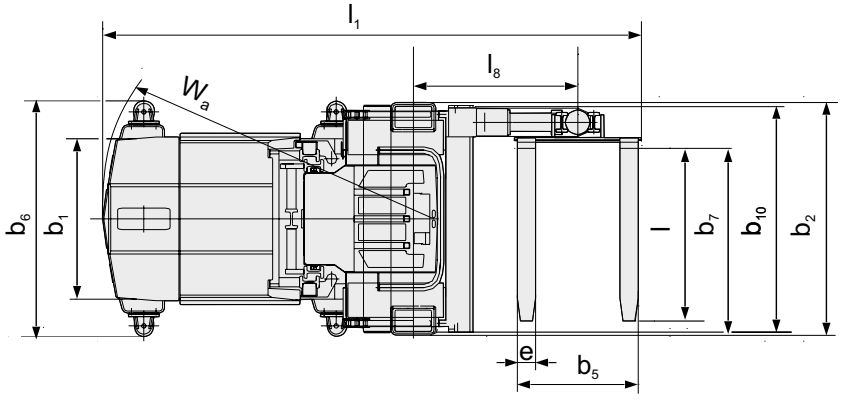
# Mast dimensions

BT vector

| Mast | | | | Triplex Tele | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VCE135 | Platform height | $h_{12}$ | mm | 7200 | 7950 | 8700 | 9450 | 10200 | 10950 | 11670 | 12420 |
| | Lift movement | $h_3$ | mm | 6750 | 7500 | 8250 | 9000 | 9750 | 10500 | 11250 | 12000 |
| | Total lift height | $h_{23}$ | mm | 8400 | 9150 | 9900 | 10650 | 11400 | 12150 | 12900 | 12360 |
| | Picking height | $h_{28}$ | mm | 8800 | 9550 | 10300 | 11050 | 11800 | 12550 | 13270 | 14020 |
| | Height, mast lowered | $h_1$ | mm | 3700 | 3950 | 4200 | 4450 | 4700 | 4950 | 5200 | 5450 |
| | Heigh, mast extended | $h_4$ | mm | 9235 | 9985 | 10735 | 11485 | 12235 | 12985 | 13735 | 14485 |

| Mast | | | | Duplex Tele | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| VCE135 | Platform height | $h_{12}$ | mm | 5450 | 6450 | 7450 | 8450 | 9450 | 10450 | 11420 |
| | Lift movement | $h_3$ | mm | 5000 | 6000 | 7000 | 8000 | 9000 | 10000 | 11000 |
| | Total lift height | $h_{23}$ | mm | 6650 | 7650 | 8650 | 9650 | 10650 | 11650 | 12650 |
| | Picking height | $h_{28}$ | mm | 7050 | 8050 | 9050 | 10050 | 11050 | 12050 | 13020 |
| | Height, mast lowered | $h_1$ | mm | 3950 | 4450 | 4950 | 5450 | 5950 | 6450 | 6950 |
| | Heigh, mast extended | $h_4$ | mm | 7485 | 8485 | 9485 | 10485 | 11485 | 12485 | 13485 |



## Truck features:

- BT Optipace system
- Elevating platform
- Wire/rail guidance
- Electronic steering
- Steering direction indicator
- Automatic deceleration
- Electronic braking system
- Adjustable seat
- Low step-in
- Battery status indicator
- Battery discharge prevention system
- Sideways battery change

TP - Technical Publications, Sweden — 748431-040, 1104

TOYOTA
MATERIAL HANDLING
stronger together

TOYOTA INDUSTRIAL EQUIPMENT BT

TOYOTA MATERIAL HANDLING IN EUROPE, MANAGING THE TOYOTA AND BT MATERIALS HANDLING BRANDS IN EUROPE.