



Very Narrow Aisle Truck with Turret Head

The BT VEFLEX is a very narrow aisle truck, based on the successful technology of the BT AC-Reach Truck REFLEX. It is equipped with everything needed for heavy duty and high performance very narrow aisle handling.

- The turret head trucks are able to pick up the load from the floor and can handle the pallets from the short or the long side.
- The VR has a lifting capacity of 1500kg and a maximum standard lift height of 11 metres. The aisle width varies from a narrow 1420 mm to more than 2m depending on the load length. Each truck is configured to provide the optimum power-to-weight ratio by using different chassis length/width and counter weight.
- Excellent driver ergonomics, with fully adjustable seat, BT Control console and electronic controls for all hydraulic functions.
- Very fast acceleration rate and a travel speed of max. 12 km/h (rail guided truck) combined with the unique BT OPTIPACE system (adapted speed, acceleration and braking to fork height) allowing outstanding and at the same time also safe performance.
- The standard electronic height indicator shows the fork height above ground and is helping the operator with positioning.
- Electronic regenerative braking (motor braking, pedal braking or change of drive direction and end-of-aisle brake) are programmable to suite the driver and the installation.
- Regenerative lowering in combination with the fully electronic controlled fork functions and a large battery compartment allowing longer shifts or — due to the very fast cycle time — more pallets in the same shift.
- Available with rail or wire guidance. The smart wire guidance system learns different frequencies by driving the truck on the wire.



Options

- Automatic rotate/traverse of load.
- Fork spreader, fork tilt or extension forks.
- Electronic height pre-selection system.
- Camera mounted on fork with monitor systems.
- Battery change station.(DIN size battery compartment with roller bed is standard in the truck).
- Cold store version with heated cab.
- Prepared for Personal Protection Systems.
- BT TruckLOG Easyview. For user ID. Instead of key and registration of operating details.



Technical Details		VR
Power unit		electrical, battery
Operating type		ride on
Rated capacity	kg	1500
Load centre	mm	600
Weight without battery	kg	4050 ¹⁾
Wheel type		polyurethane
Wheel dimension, fork side	mm	230x110; 230x85
Wheel dimension, drive wheel side	mm	350x130
Number of wheels, fork side		4
Number of wheels, drive wheel side		1
Travel speed, without/with rated load	km/h	12/12 — 9/9 ²⁾
Lift speed, without/with rated load	m/s	0.37/0.29
Lowering speed, without/with rated load	m/s	0.48/0.50
Service brake		electro-regenerative
Parking brake		electro-mechanical
Drive motor/Intermittent rating	kW/%	7.5/60
Lift motor/Intermittent rating	kW/%	14/15
Battery weight	kg	940—1400
Battery (5h discharge)	V/Ah	48/480—900
Battery (5h discharge)	kWh	25.9; 32.4; 38.9
Steering system		electronic power steering
Speed control, number of steps		electronical, stepless

Dimensions, mm		VR
y	Wheel base	1750/1900/2050
b ₁₀	Track width front c/c	1038/1148/1248
h ₆	Height of cab	2266
h ₇	Height of driver's seat	1100
h ₁₃	Height of lowered fork	80
l ₁	Total truck length	3185/3335/3485 ³⁾
b ₁	Chassis, width	1270/1420/1520
s	Fork thickness	40
e	Fork width	120
l	Fork length	600—1600
b ₅	Width across fork	525—1160 ⁴⁾
m ₂	Floor clearance mid wheelbase	60
W _a	Turning radius	1960/2110/2260
l ₈	Front axle to boom pivot	820

1) h₂₃ = 6100mm, b₁ = 1420mm, l₁ = 3335mm

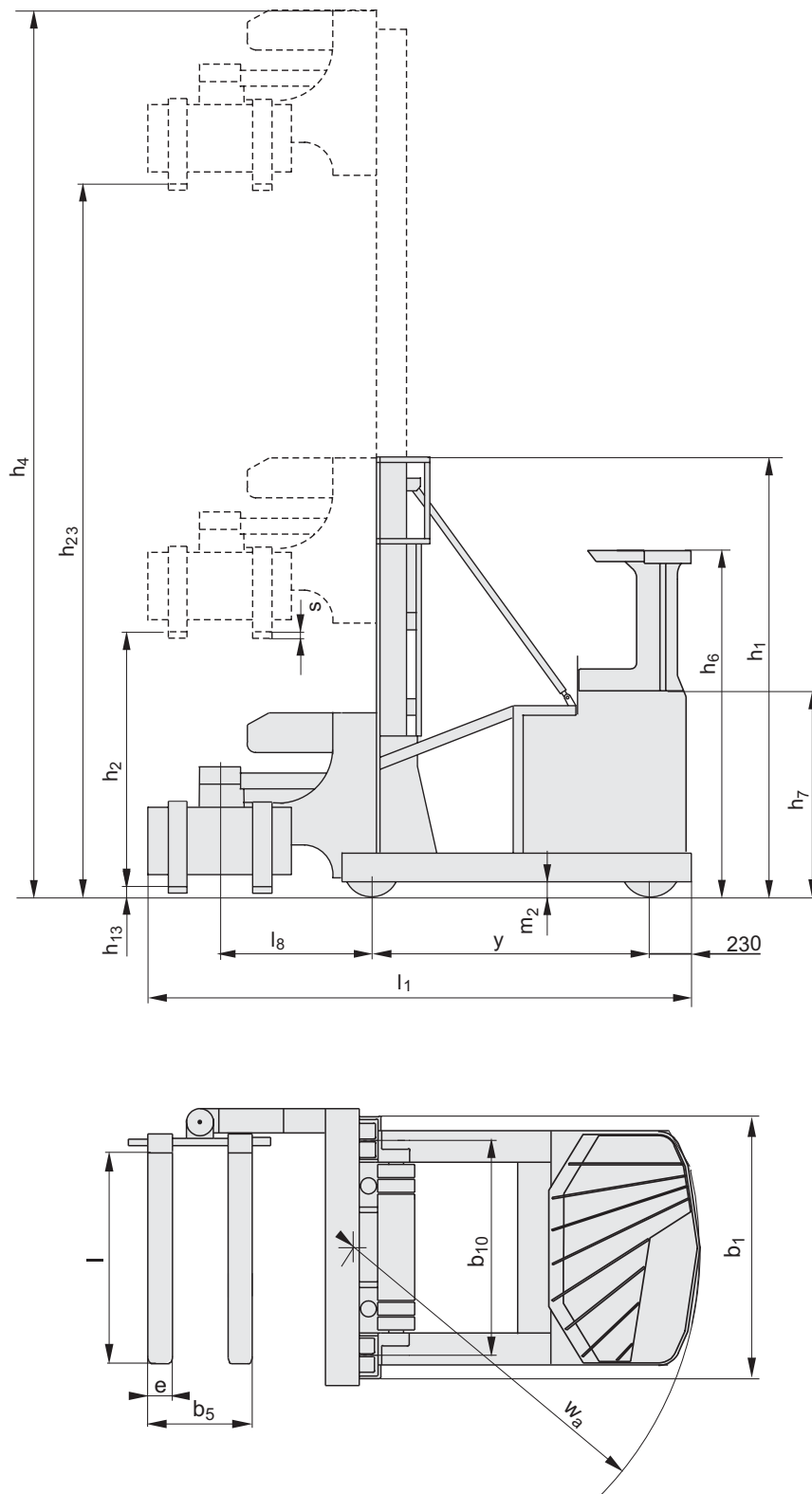
2) 12/12 km/h for chassis width 1420mm and 1520mm when rail guided. 9/9 km/h for chassis width 1270mm, or chassis width 1420mm and 1520mm when wire guided.

3) With boom length 650mm

4) Depending on boom length

Mast, mm		VR										
h_{23}	Total lift height	4300	4900	5500	6100	7000	7600	8200	8800	9400	10000	11000
h_1	Height of mast, min.	2535	2735	2935	3135	3570	3770	3970	4170	4505	4705	5035
h_2	Free lift	1490	1690	1890	2090	2524	2724	2924	3124	3458	3658	3990
h_4	Height of mast, max.	5295	5895	6495	7095	7995	8595	9195	9795	10395	10995	11995

Performance may vary due to motor and system efficiency tolerance and represents nominal values obtained under typical operating conditions.
BT Products AB products and specifications are subject to change without notice.





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