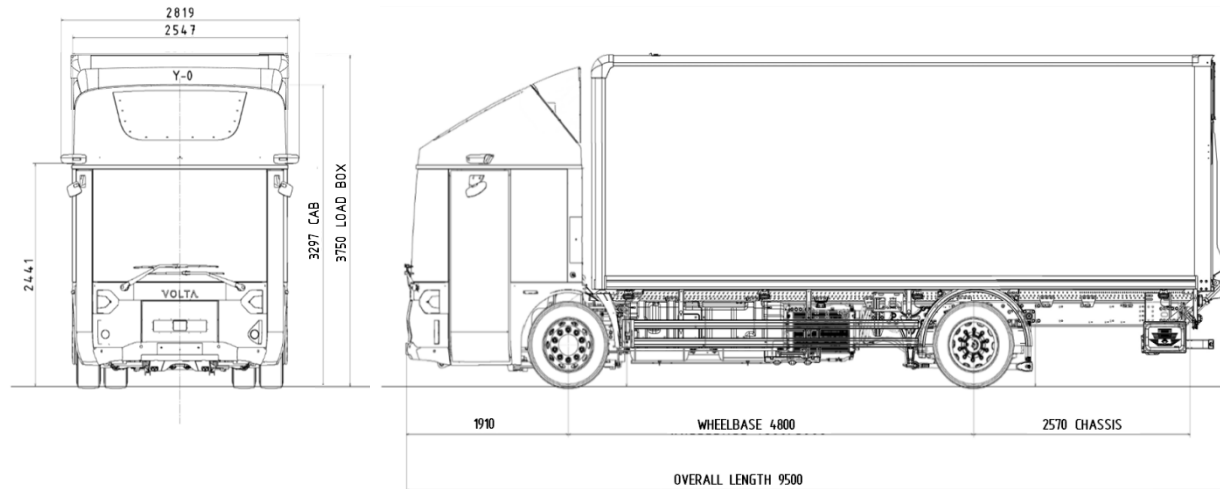


VOLTA ZERO SPECIFICATION & FEATURES

4X2 FULL ELECTRIC RIGID TRUCK



VEHICLE DIMENSIONS [mm]

With JUNGLE LOADSTAR 2.0 ECO LOAD BOX & DHOLLANDIA CANTILEVER TAIL LIFT

LENGTH

- CHASSIS: 9280
- With LOAD BOX: 9500

FRONT OVERHANG: 1910

WHEELBASE: 4800

REAR OVERHANG

- CHASSIS: 2570
- With LOAD BOX: 2790

WIDTH

- CAB: 2547
- OVER MIRRORS: 2819
- LOAD BOX: 2550

WHEEL TRACK

- FRONT: 1862
- REAR: 1840

HEIGHT from ground @ GVW

- CAB: 3297
- LOAD BOX: 3750

CAB ENTRY STEP: 300

TOP OF CHASSIS: 920

LOAD BOX FLOOR: 1150

SUSPENSION HEIGHTS (FRONT/REAR)

- RAISE: 100
- LOWER: 75

LOAD BOX DIMENSIONS [mm]

LENGTH

- EXTERNAL: 7320
- INTERNAL: 7240

WIDTH

- EXTERIOR: 2550
- INTERIOR: 2480

HEIGHT

- EXTERIOR: 2530
- INTERIOR: 2420
- TAIL GATE OPENING: 1910
- WITH REAR FLAP OPEN: 2370

TURNING CIRCLE DIAMETER [mm] (values physically measured)

KERB TO KERB: 15800

WALL TO WALL: 17500

VEHICLE WEIGHTS [kg]

CHASSIS CAB: 7130

- FRONT: 4760
- REAR: 2370

With LOAD BOX: 9160

- FRONT: 4840
- REAR: 4320

PLATED WEIGHTS

- GROSS VEHICLE WEIGHT: 16000
- FRONT AXLE: 6500
- REAR AXLE: 10500

VOLTA ZERO SPECIFICATION & FEATURES

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STANDARD EQUIPMENT & FEATURES

CABIN

- Low entry cab with 300 mm entry height of step
- Driver controls
 - Central driving position
 - Tilt and axial adjustment steering column
 - Side Indicator & Head lamp stalk with automatic head lamp function
 - Wiper stalk with automatic rain sensing & dual speed wipers
 - D shape steering wheel with heating
 - Steering wheel button controls for Central display screen, Radio volume & phone call answering
- Driver Direct & Indirect Vision
 - Unmatched Direct visibility volumetric score 33 cu.m & 5 star rating (TFL Direct Vision Standard)
 - 220 degree direct vision with low height front visibility
 - Full height clear door glasses for side visibility
 - Passenger clear window panes on both sides
 - Central rear view camera display
 - 360 deg camera vision
 - Reversing camera display
 - Cat V physical mirrors on both side doors
 - Heated front windscreen
- Dual Rearview mirror camera displays
 - Cat II & Cat IV mirrors
 - Adjustable rear of truck position marker overlay
 - 25 / 50 / 100 m behind truck overlay markers for lane change assistance
- Driver Assistance
 - Advanced Emergency Braking System with front radar
 - Lane Departure Warning System with front cameras
 - Front and Rear Parking Distance Sensors
 - Auto & Hill hold brake function - Automatic engagement and release of park brake
- SRS Air bag on steering column for driver safety
- NFC card key for cabin access and vehicle powering on/drive
- Electric sliding doors on both sides for cabin entry
 - External touch screen switch
 - Manual secondary mechanical release from inside & outside of cabin
- Electric front sun visor
- Dual touch screen controls display 260 mm
- LH screen control switches for
 - LH door control
 - Traction control
 - Interior light
 - Fog lamp
 - Vehicle locking
- LH touch screen controls for
 - Cabin HVAC
 - Vehicle settings with multiple language packs as standard
 - Interior cabin mood light
 - Tail lift power
 - Suspension height adjustment & 4 programmable position memory
 - Rear view mirror adjustment
 - Sun visor
 - Driver seat heating & ventilation
 - Steering wheel heating
 - 360 deg camera display with Front & Rear parking distance sensors

VOLTA ZERO SPECIFICATION & FEATURES

4X2 FULL ELECTRIC RIGID TRUCK

- Driver Tachograph information display
- Front and Rear Axle load display
- Tyre pressure monitoring display
- RH screen control switches for
 - RH door control
 - Auto & Hill hold control
 - Drive / Reverse / Neutral selection
- RH touch screen controls for
 - Radio - FM / AM / DAB
 - Bluetooth Phone / Audio Media
- Central display 310 mm
 - Instrument cluster
 - Telltale warnings
 - Reversing Camera video display
- Electronic park brake
 - Switch operated
 - Secondary braking control
 - Park brake Auto apply (when brake pedal pressed and released after vehicle stops fully)
 - Park brake Auto release (when pressing accelerator pedal in drive / reverse)
 - Auto / Hill hold activation on brake pedal press
- Secondary Safety
 - Cabin doors opening inhibition in vehicle drive mode
 - Vehicle drive from stop inhibition if driver seat belt not worn
 - Rear distance markers overlay on rear view mirror screen displays
 - Tyre pressure monitoring with visual status, tyre pressure and temperature
 - Automatic suspension height levelling when reaching 15 km/hr vehicle speed
 - 2 kg fire extinguisher in cabin
- Driver seat
 - Air suspended & damped with 180 mm of height adjustment
 - Deployable and height adjustable arm rests
 - Fore / Aft Seat sliding adjustment for steering column reach
 - Seat back with integrated head rest & 3-point seat belt
 - Seat back tilt adjustment
 - Seat base tilt and thigh support fore / aft sliding adjustment
 - Quick seat height dump switch
 - Heated and ventilated
- 2 passenger seats either side of the driver
- Passenger side viewing clear glass panes with sliding windows
- 300W 230V AC EU Schuko/Type F plug socket
- USB A & C sockets at front footwell both sides
- USB A & C sockets at both passenger sides
- Individual passenger spot lights
- Cup holders for passengers
- Cup holders and document holders at front footwell both sides
- Dual storage compartments at the rear of cabin
- Coat hanger hooks behind driver seat
- 4 speaker stereo sound system

VOLTA ZERO SPECIFICATION & FEATURES**4X2 FULL ELECTRIC RIGID TRUCK****ENERGY SYSTEM & CHARGING**

- Lithium-ion (NMCA Chemistry) Battery Packs x 3
- Gross capacity 246 kWh / Useable capacity 224 kWh
- System Voltage 650-750V DC
- Type II AC Charging up to 22 kW, 3 phase 32 Amp
- Type II CCS DC Charging up to 150 kW
 - 0-80% in 90 minutes
 - 80-100% in 45 minutes
- Battery thermal management
 - Electric heater & heat pump for coolant heating in winter conditions
 - Heat pump refrigerant/coolant cooling in hot weather conditions

POWERTRAIN

- Electric Axle with 3 phase AC Permanent Magnet Synchronous Motor
- Cooling: Glycol/Water 50:50 mix
- Power - Nominal 200 kW, Peak 257 kW
- Torque - Nominal 570Nm, Peak 1100 Nm
- Max RPM 5500
- 2 speed Auto Transmission - integrated with e-Motor
- Gear ratios
 - 1st gear 2.67:1 - shift up to 2nd @ 46 km/hr
 - 2nd gear 1:1 - shift down to 1st @ 29 km/hr
- Drive Axle - hub reduction type
 - Differential ratio 3.91:1
 - Hub reduction 2:1
- Energy regeneration with both Cat A (Accelerator pedal lift off) & Cat B (Brake pedal press)

STEERING

- Electric driven hydraulic power steering pump - helical gear
- Vehicle speed based electronic flow control for smooth, precise steering and optimal effort at all speeds
- Integral hydraulic power steering gear, recirculating ball type
- Energy save mode with Steering Power Assist turn off on park brake engagement
- 420 mm diameter steering hand wheel - D shaped
- 4.7 turns lock to lock

AIR SYSTEM

- Electric driven Air compressor with Combined Air Processing Unit & Multi-circuit protection valve
- 10 bar system pressure for service and park brake
- 8.5 bar system pressure for auxiliary supply - air suspension
- 4 air tanks @ 30 lit. capacity
- Emergency air supply to vehicle feed port provided next to electric charge port

BRAKING

- 22.5" Air disc brakes on front and rear axles
- Wheel Speed and Continuous Brake pad wear sensors on all brakes
- Type 24 service brake actuator on front
- Type 20/24 service/park brake actuator on rear
- Electronic Brake Control System (EBS) with Electronic park brake control (EPB)
- Advanced Emergency Braking System (AEBS) with front radar
- Electronic Stability Control (ESC) for Directional and Roll Stability with Traction Control

VOLTA ZERO SPECIFICATION & FEATURES

4X2 FULL ELECTRIC RIGID TRUCK

FRONT AXLE & SUSPENSION

- Independent Front Suspension with Air springs & hydraulic dampers
- 100% axle load on air springs for excellent ride comfort & roll stability
- 56° Front inner wheel lock angle for shorter turning circle
- Electronic control Air Suspension (ECAS) with 2 height sensors & suspension raise/lower capability

REAR SUSPENSION

- 4 air spring parallelogram link Suspension with stabilizer bar
- 100% axle load on air springs for excellent ride comfort and roll stability
- Electronic control Air Suspension (ECAS) with height sensor & suspension raise/lower capability

WHEELS & TYRES

- 275/70R22.5" tyres - 3PMSF rated for all weather use with 22.5"x7.5" steel wheels
- Side wall tyre indicators specifically for city usage
- Tyre pressure monitoring (TPMS) with pre-installed monitoring sensors for tyre pressure and temperature

LOAD BOX

- Junge Loadstar 2.0 ECO load box with composite panels & Rear Tail lift
- D Hollandia Cantilever 2000 kg tail lift
 - With 4 button foot control on platform
 - Integrated rear under-run protection
- 2 load lock rails on side panels on inside for load restraints
- Automated load box service light & flashing platform lights
- 2 Storage boxes for tools and equipment
- 2 x 6 kg fire extinguishers
- Wheel chocks
- Truck Parking Warning plates at front and rear

DANGEROUS GOODS TRANSPORT

- ADR - Type AT classification approval

TELEMATICS

- Vehicle data logging for fleet data management
- Customised API provision for integration into existing customer solutions