



4409.25lb

Rated Load Capacity



4.03mph

Max. Safety Driving Speed



4.53in

Fork Lifting Height



88.58in

Min. Stacking Aisle Width

VNST20(VL)-66 SLIM PALLET JACK AGV

CE

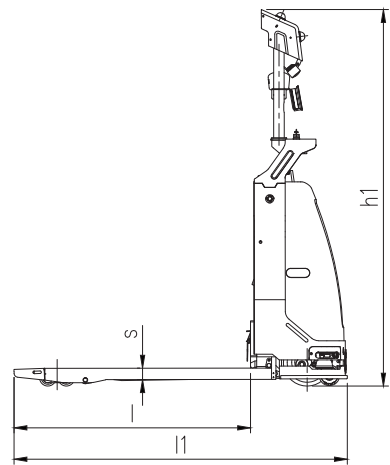
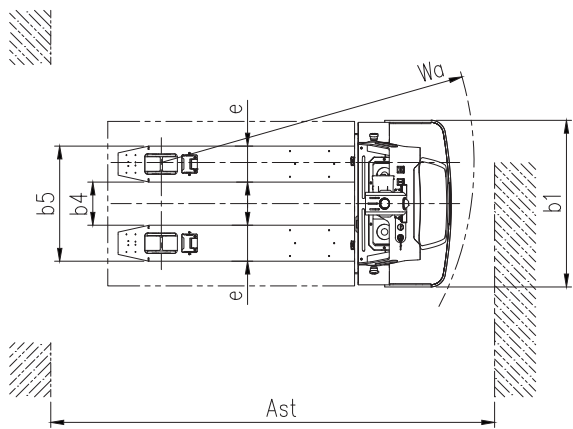


B56.5

By using 3D SLAM navigation +3D laser adaptive sensing, the project import is fast and the cross fetch repeat precision is high. The vehicle weight is light, can support cross-floor work; The length and width of the fork can be customized according to the scene, making the vehicle more flexible and adaptable.



VNST20(VL)-66



TECHNICAL SPECIFICATIONS

Body Weight	1102.31lb (500kg)	Fork Lifting Height	4.53in (115mm)
Vehicle Dimensions (l1/b1/h1)	63.78x31.50x64.96in (1620x800x1650mm)	Rated Load Capacity	4409.25lb (2000kg)
Fork Dimensions (l/e/s)	45.28x6.89x2.17in (1150x175x55mm)	Load Center Distance	23.62in (600mm)
Fork Dimension Options	33.46/37.40/41.34/49.21/53.15/57.09/61.02in (850/950/1050/1250/1350/1450/1550mm)	Min. Turning Radius	56.33in (1431mm)
Fork Outer Width (b5)	22.05in (560mm)	Locating Precision	±0.31in/±1° (±8mm/±1°)
Fork Inner Width (b4)	8.27in (210mm)	Operation Mode	Automatic / Manual Handheld
Positioning Method	3D SLAM Navigation	Battery Type	Lithium iron phosphate
Perception Method	3D Laser Scanner	Voltage/Battery Capacity	48V/40Ah
Self-adaptive Correction	±3.94in/±10° (±100mm/±10°)	Charging Mode	Manual/ Automatic Charging

MOTION PERFORMANCE

Straight Forward Speed (Full-Load/Empty-Load)	3.13mph , 4.03mph (1.4m/s, 1.8m/s)	Backward Turning Speed (Full-Load/Empty-Load)	0.67mph , 0.67mph (0.3m/s, 0.3m/s)
Straight Backward Speed (Full-Load/Empty-Load)	0.67mph , 0.67mph (0.3m/s, 0.3m/s)	Lifting Up Time (Full-Load/Empty-Load)	3.2s, 1.8s
Forward Turning Speed (Full-Load/Empty-Load)	0.67mph , 1.34mph (0.3m/s, 0.6m/s)	Lifting Down Time (Full-Load/Empty-Load)	1.9s, 2.7s

ENVIRONMENTAL REQUIREMENT

Min. Stacking Aisle Width (Pallet Size L*W:1219*1016mm, Across Forks On Width)	88.58in (2250mm)	Ground Flatness	±0.20in/m² (±5mm/m²)
Min. Turning Aisle Width (Pallet Size L*W:1219*1016mm, Across Forks On Width)	74.80in (1900mm)	Max. Climbing Ability (Full-Load/Empty-Load)	5%, 5% (3°, 3°)
Working Temperature	-5°C~40°C	Max. Groove Width	1.18in (30mm)
Working Humidity	20%~95%	Max. Step Height	0.39in (10mm)

SAFETY PROTECTION

Front	Laser Scanner Protection + Anti-Collision Bumper	Side	Laser Scanner Protection + Anti-Collision Bumper
Rear	Laser Scanner Protection +Non-Contact Sensor	Other	Emergency Stop Button + Acousto-Optic Alarm
Top	3D Laser Scanner Protection		

* Optional fork length, fork outside width;Optional 5G communication, battery heating, code scanning gun, traffic recorder, RFID card reader, etc.
All the above parameters are obtained from the factory testing environment of standard products, and the vehicle parameters and performance of the project may vary according to actual conditions. Due to products upgrade, the specifications and parameters may be changed without notice. Please consult the sales for details.