

VNP30(V)-07

COUNTERBALANCE STACKER AGV

Cost-effective, adaptive to various carriers, wide range of application scenarios.



3T
Rated Load
Capacity



1.5m/s
Maximum
Driving Speed



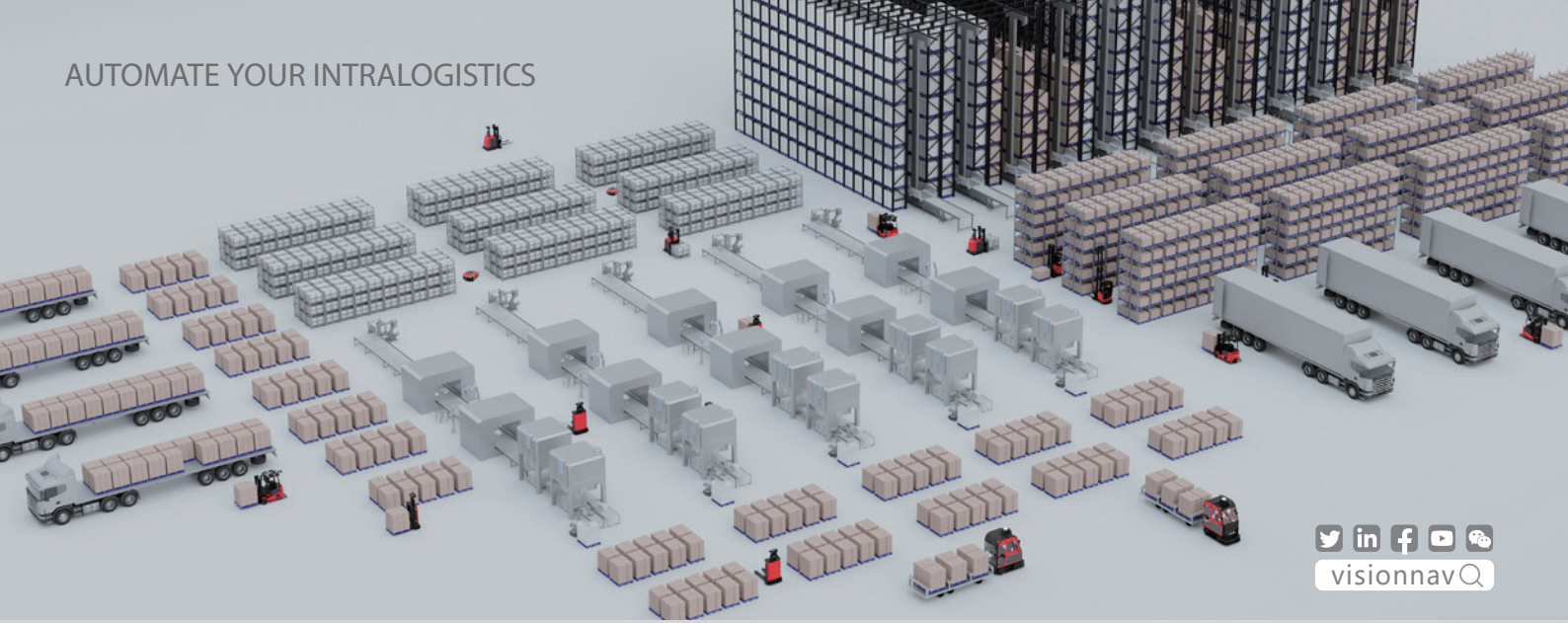
3m
Lift Height



3750 mm
Min. Stacking
Aisle Width

AUTOMATE YOUR INTRALOGISTICS

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Fundamental Technical Parameters

Weight	4800kg (6503.64lb)
Dimensions (l1/b1/h1)	3197x1444x2235mm (125.87x56.86x88in)
Fork Dimensions (l/e/s)	1040x125x45mm (40.95x4.92x1.77in)
Width over Forks (b5)	680mm (26.77in)
Width between Forks (b4)	406mm (15.98in)
Positioning Method	Vision-based Navigation
Perception Method	Laser Scanning
Goods Drop-off Self-adaptability	±20mm/±1° (±0.79in/±1°)
Goods Pick-up Self-adaptability	±100mm/±10° (±3.94in/±10°)

Fork Lift Height (h3)	3000mm (118.11in)
Rated Load Capacity (Q)	3000kg (6613.87lb)
Load Center (C)	500mm (19.68in)
Minimum Turning Radius (Wa)	2050mm (80.71in)
Stacking Accuracy	±20mm/±1° (±0.79in/±1°)
Type of Operation	Automatic / Manual Handheld
Battery Type	LiFePO4
Voltage/Capacity	48V/400Ah
Charging Mode	Manual/ Automatic Charging

Motion Performance

Straight Forward (Full-Load/Empty-Load)	1.3m/s, 1.5m/s (2.91mph, 3.36mph)
Straight Backward (Full-Load/Empty-Load)	0.6m/s, 0.6m/s (1.34mph, 1.34mph)
Turning Forward (Full-Load/Empty-Load)	0.3m/s, 0.6m/s (0.67mph, 1.34mph)

Turning Backward (Full-Load/Empty-Load)	0.3m/s, 0.6m/s (0.67mph, 1.34mph)
Lift Speed (Full-Load/Empty-Load)	200mm/s, 320mm/s (7.87mph, 12.60mph)
Lower Speed (Full-Load/Empty-Load)	340mm/s, 290mm/s (13.39mph, 11.42mph)

Environmental Requirement

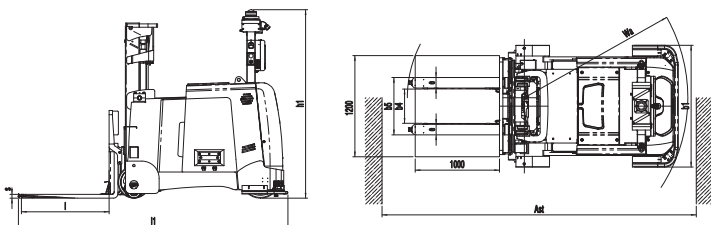
Min. Stacking Aisle Width (Pallet Size L*W:1165*1165 mm)	3877mm (152.64in)
Min. Turning Aisle Width (Pallet Size L*W:1165*1165 mm)	2595mm (102.17in)
Working Temperature	-5 -45
Working Humidity	20-95%
Ground Flatness	±5mm/m ² (±0.20in/m ²)
Maximum Climbing Ability (Full-Load/Empty-load)	3°, 3°
Maximum Groove Width	20mm (0.79in)
Maximum Step Height	10mm (0.4in)

Safety Protection

Front	Laser Scanner Protection + Anti-Collision Bumper
Rear	Laser Scanner Protection + Contact Sensor
Top	Photoelectric Sensor + Ultrasound Scanner
Side	Laser Scanner Protection + Anti-Collision Bumper
Other	Emergency Stop Button + Acousto-Optic Alarm + Safety/Warning Light

* Fork length can be customized. Mast option: Duplex (3000mm, 3500mm, 4000mm, 4500mm); Triplex (4500mm). Forklift weight varies slightly depending on the height of the mast. Due to improvements, the specifications and parameters may be changed without notice. Please consult the sales staff for details.

Product Drawing



Contact us

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