VisionNav Robotics

FULL SPECTRUM
LOGISTICS AUTOMATION

VNQ50

AUTONOMOUS TRACTOR

ANSI B56.5 CE

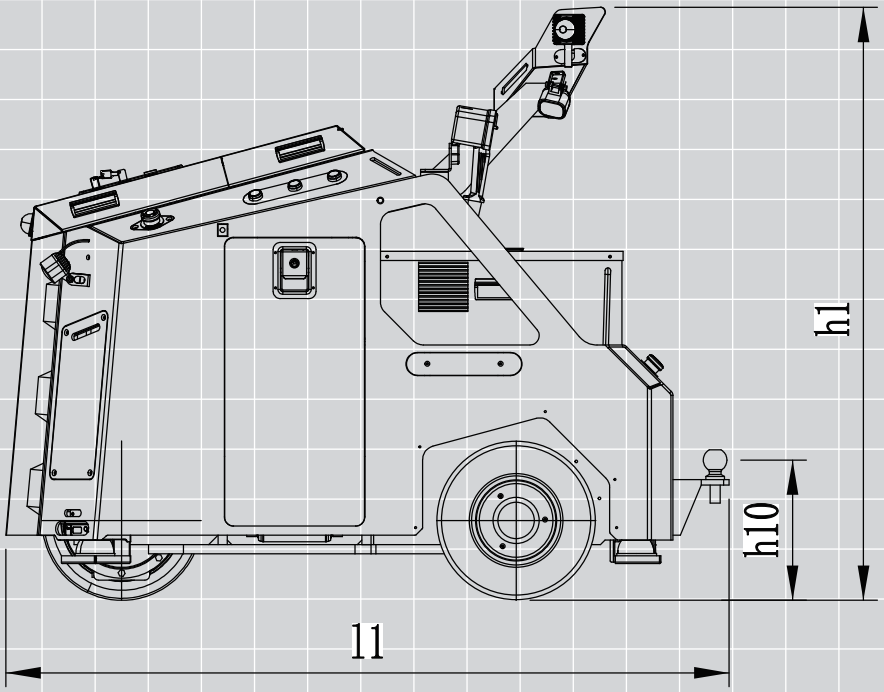


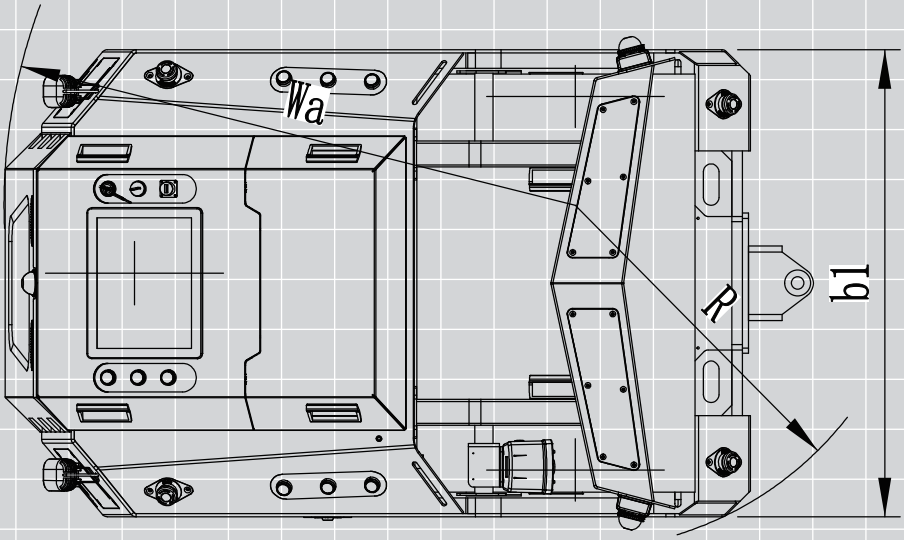






www.visionnav.com


h1
h10
l1


Wa
b1
R

VisionNav®

VNQ50(VL)-66
AUTONOMOUS TRACTOR

			Metric	*Imperial*
GENERAL SPECIFICATIONS	1	Positioning Method	3D SLAM	
	2	Operation Mode	Automatic Driving/Manual Handheld	
	3	Overall Dimensions(l1*b1*h1)	1560x900x1300mm	62x36x51in
	4	Weight	1080kg	2380lb
	5	Rated Traction Capacity	5000kg	11023.1lb
	6	Tow Pin Height	300mm	11.8in
	7	Wheelbase	850mm	33.5in
	8	Tire Type, Front/Rear	SE	
	9	Braking Method	E-Brake	
	11	Min. Turning Radius	1150mm	45.3in
	12	Positioning Accuracy	±10mm/±1°	±0.39in/±1°
BATTERY	13	Battery Type	Lithium Iron Phosphate （$LiFePO_4$）	
	14	Battery Voltage/Capacity	48V200Ah	
	15	Charging Mode	Manual/Automatic	
PERFOR-MANCE	16	Max Forward Speed (Loaded,Empty)	2.0m/s,2.0m/s	4.47mph,4.47mph
	17	Max Turning Forward Speed (Loaded,Empty)	0.3m/s,0.6m/s	0.67mph，1.34mph
DEPLOYMENT ENVIRONMENT	18	Ambient Temperature	-5℃~ 40℃	23°F~ 104°F
	19	Ambient Humidity	20%~95%	
	20	Ground Flatness	±5mm/m²	±0.19in/m²
	21	Max. Climbing Capability	3.5%	
	22	Max. Gap Width	30mm	1.9in
	23	Max. Obstacle Height	10mm	0.4in
SAFETY PROTECTION	24	Forward Safety	Laser Scanner Protection	
	25	Reverse Safety	Laser Scanner Protection	
	26	Side Safety	Laser Scanner Protection	
	27	Top Safety	Laser Scanner Protection	
	28	Others	Emengency Stop Buttom+ Acousto Optic Alarm	

* **Due to product upgrade and iteration, specifications are subject to change without prior notice; please contact your dealer for the latest information.**

VisionNav® *Efficient / Safe / Flexible*

You can count on VisionNav to build lift trucks designed for safe operation, but that's only part of the safety equation. VisionNav encourages safe operating practices through ongoing operator training, safety-focused supervision, maintenance and a safe working environment. **Go to visionnav.com and view our safety section to learn more.**

Because VisionNav Robotics is continually improving its products specifications are subject to change without notice.

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Document Version: 2025-V1.0