VisionNav Robotics

FULL SPECTRUM
LOGISTICS AUTOMATION

VNQ200

AUTONOMOUS TUGGER

ANSI B56.5 CE

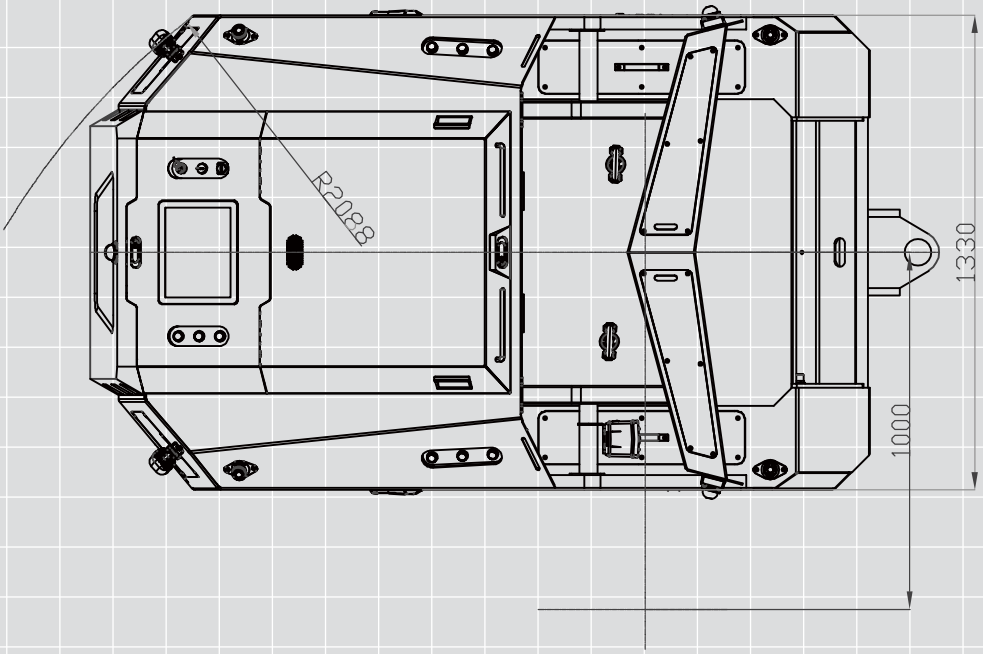


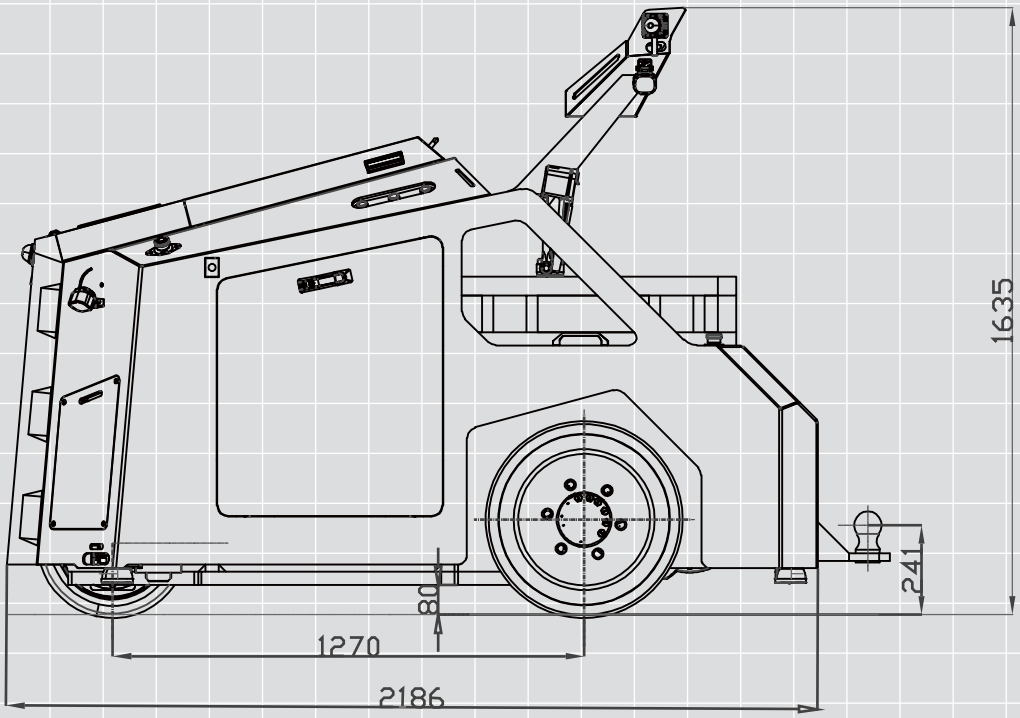






www.visionnav.com


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VisionNav®

VNQ200(VL)-66
AUTONOMOUS TUGGER

			Metric	*Imperial*
GENERAL SPECIFICATIONS	1	Positioning Method	3D SLAM	
	2	Operation Mode	Automatic / Manual Handheld	
	3	Overall Dimensions(l1*b1*h1)	2186x1350x1635mm	86.06x53.15x64.37in
	4	Weight	5000kg	11023.1lb
	5	Rated Traction Capacity	20000kg	44092.45lb
	6	Tow Pin Height	290mm	11.42in
	7	Wheelbase	1270mm	50in
	8	Tire Type, Front/Rear	SE	
	9	Braking Method	E-Brake	
	11	Min. Turning Radius	2200mm	86.61in
	12	Positioning Accuracy	±10mm/±1°	±0.39in/±1°
BATTERY	13	Battery Type	Lithium Iron Phosphate （$LiFePO_4$）	
	14	Battery Voltage/Capacity	83.2V500Ah	
	15	Charging Mode	Auto/Manual	
PERFOR-MANCE	16	Max Forward Speed (Loaded,Empty)	1.8m/s,2.0m/s	3.80mph，4.47mph
	17	Max Turning Forward Speed (Loaded,Empty)	0.3m/s,0.6m/s	0.67mph，1.34mph
DEPLOYMENT ENVIRONMENT	18	Ambient Temperature	-10℃~ 40℃	23°F~ 104°F
	19	Ambient Humidity	20%~90%	
	20	Ground Flatness	±5mm/m²	±0.19in/m²
	21	Max. Climbing Capability	9%(6°), 14%(8°)	
	22	Max. Gap Width	50mm	1.97in
	23	Max. Obstacle Height	30mm	1.18in
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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