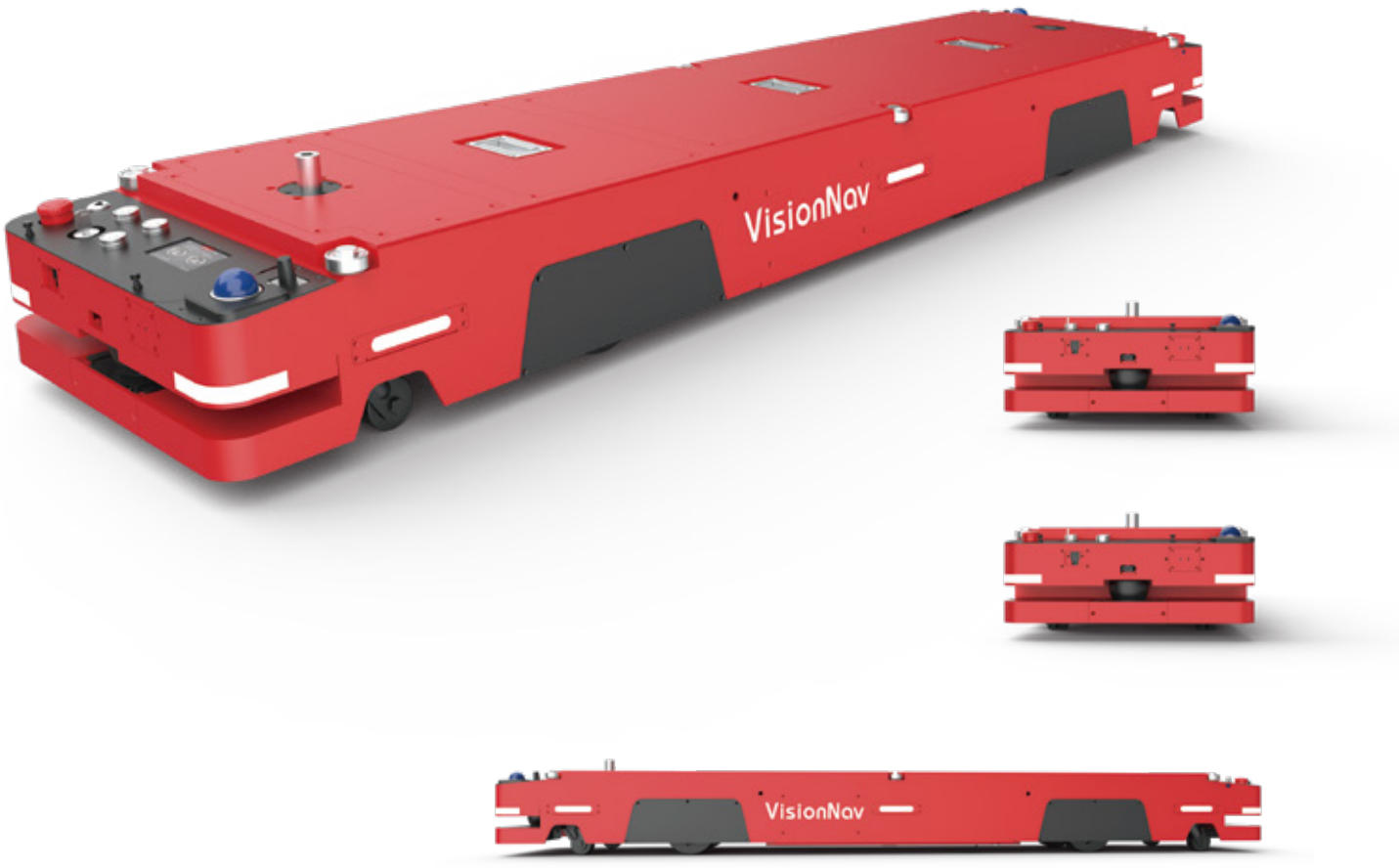
VisionNav Robotics

FULL SPECTRUM
LOGISTICS AUTOMATION

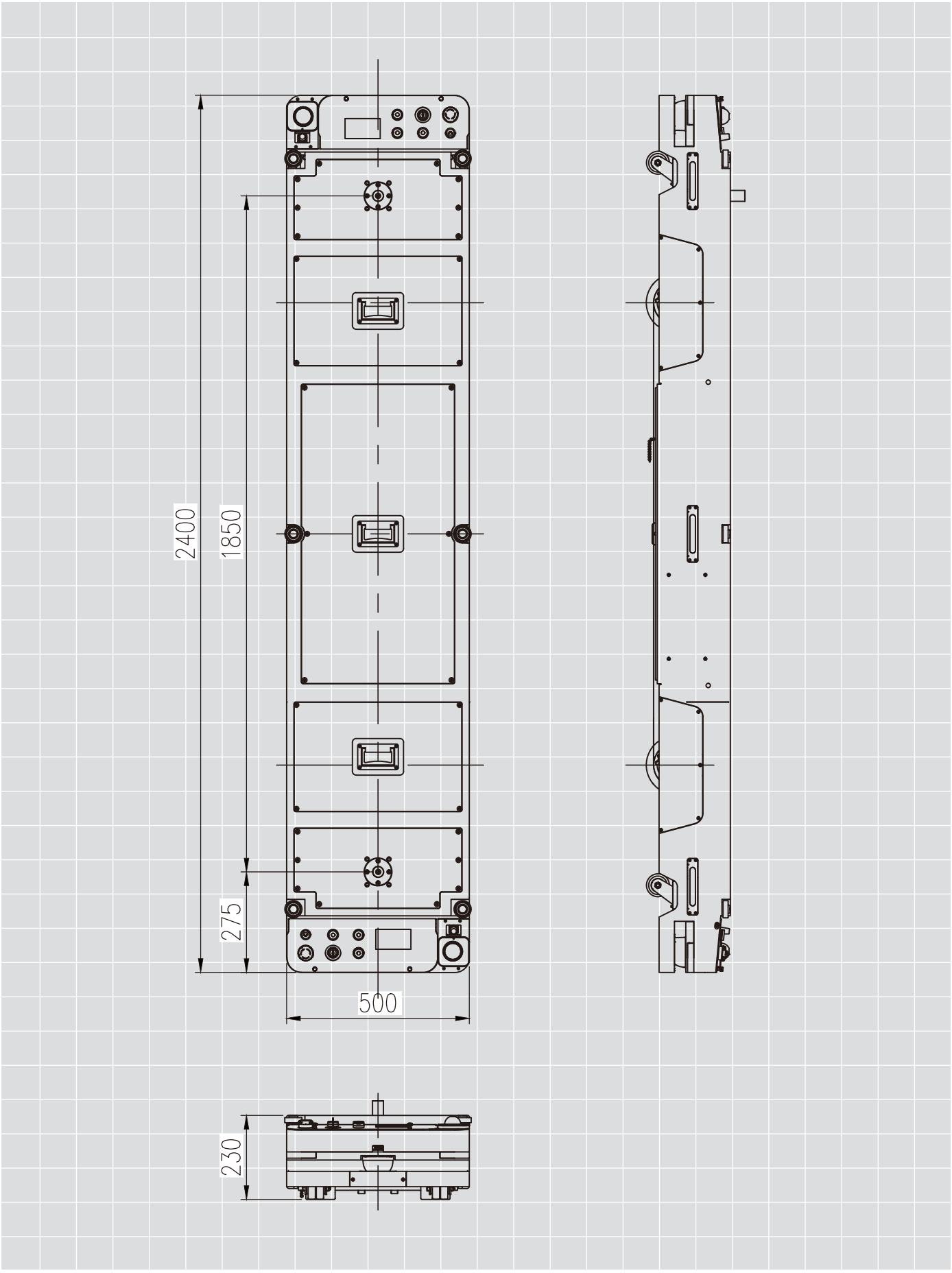
VNKQ20

TUNNELLING AMR

CE



www.visionnav.com


2400
1850
275
500
230

VisionNav®

VNKQ20(VL)-18
TUNNELLING AMR

			Metric	*Imperial*
GENERAL SPECIFICATIONS	1	Positioning Method	3D SLAM	
	2	Operation Mode	Automatic Driving/Manual Handheld	
	3	Overall Dimensions(l1*b1*h1)	2400x500x230mm	94.49x19.69x9.06in
	4	Weight	400kg	882lb
	5	Rated Traction Capacity	2000kg	4409lb
	6	Tow Pin Height	230-270mm	9.06-10.63in
	7	Wheelbase	1265mm	49.8in
	8	Tire Type, Front/Rear	PU	
	9	Drive Direction	Bidirectional Travel	
	10	Min. Turning Radius	1000mm	39.37in
	11	Positioning Accuracy	±10mm/±0.5°	±0.39in/±0.5°
BATTERY	12	Battery Type	Lithium Iron Phosphate Battery (LFP)	
	13	Battery Voltage/Capacity	48V60Ah	
	14	Charging Mode	Manual Charging/Automatic Charging	
PERFOR-MANCE	15	Max Forward Speed (Loaded,Empty)	1.5m/s,1.67m/s	3.36mph，3.74mph
	16	Max Turning Forward Speed (Loaded,Empty)	0.3m/s,0.6m/s	0.67mph，1.34mph
DEPLOYMENT ENVIRONMENT	17	Ambient Temperature	-5℃~ 40℃	23°F~ 104°F
	18	Ambient Humidity	20%~95%	
	19	Ground Flatness	±5mm/m²	±0.20in/sqft
	20	Max. Climbing Capability	2%	
	21	Max. Gap Width	30mm	1.18in
	22	Max. Obstacle Height	10mm	0.39in
SAFETY PROTECTION	23	Forward Safety	Laser Scanner Protection	
	24	Backward Safety	Laser Scanner Protection	
	25	Top Safety	Laser Scanner Protection	
	26	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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