



PRODUCT DATASHEET / STORAGE AND RACKING

LA-1430

AGV reach truck

LA-1430 is a reach-type AGV with a retractable mast. It picks up and deposits open and closed pallets in racking areas and at prepared transfer points.



Rated load capacity

1400 kg

Lifting height

3000 mm

Navigation

Laser SLAM

Matched to your process

We select the robot for the load carrier, load weight, route geometry and operating schedule. Nominal specifications, working capacity and equipment are confirmed for the selected configuration.



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Technical specifications

Load and operation

Specification	Value
Product name	LA-1430 AGV reach truck (with retractable mast)
Operating mode	Automatic navigation / manual control device
Pallet type	Open pallet / closed pallet
Rated load capacity	1400 kg
Load centre distance	500 mm
Standard lifting height	3000 mm
Travel speed (laden / unladen)	1.2 / 1.5 m/s
Cage storage	Optional
Pallet storage	Optional
Safety bumper	Standard

Dimensions and site conditions

Specification	Value
Weight (including battery)	1890 kg
Truck dimensions (L × W × H)	2190 × 1192 × 2228 mm
Fork dimensions (L × W × H)	1220 × 122 × 40 mm
Outer fork width	400-700 mm (adjustable)
Minimum turning radius	1482 mm
Temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, non-condensing
Floor conditions (gradient / step / gap)	<3% / 10 mm / 30 mm
Right-angle stacking aisle width, 1000 × 1200 pallet (1200 along forks)	2260+200 mm
Right-angle stacking aisle width, 800 × 1200 pallet (1200 along forks)	2220+200 mm



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Technical specifications

Navigation and safety

Specification	Value
Navigation type	Laser SLAM
Navigation positioning accuracy	±10 mm
Navigation angle accuracy	±0.5°
Number of lidars	1 (P+F R2000) + 3 (OLEI LR-1BS2H)
Wi-Fi roaming	Standard
3D obstacle avoidance	Standard
Pallet recognition	Optional
HMI display	Standard
Emergency stop button (E-stop)	Standard
Audible and visual signals	Standard
Braking distance (1 m/s / 1.5 m/s)	≤50 cm / ≤72 cm
360° laser protection	Standard
Fork height protection	Standard
UN38.3	Standard
High-bay pallet recognition	Optional

Battery and charging

Specification	Value
Battery specification	24 V / 180 Ah (lithium iron phosphate)
Battery runtime	10 h
Charging time (10% to 80%)	2 h
Charging method	Manual / Automatic



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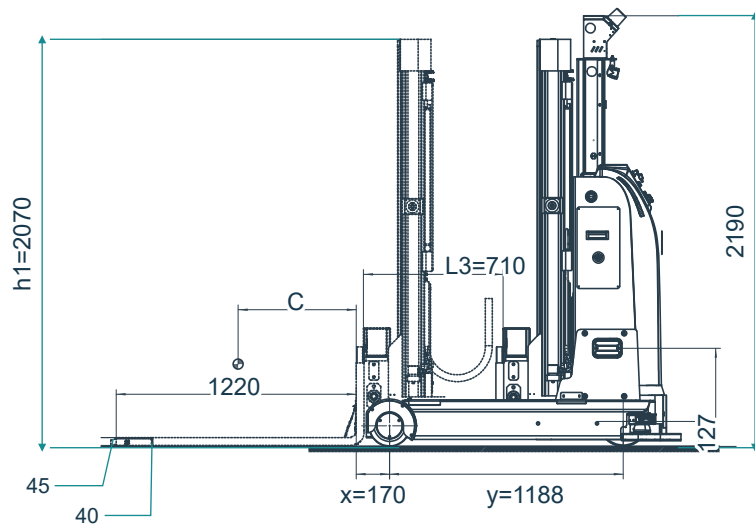
Robot dimensions

Dimensions in mm. Read the drawings according to their numerical labels.

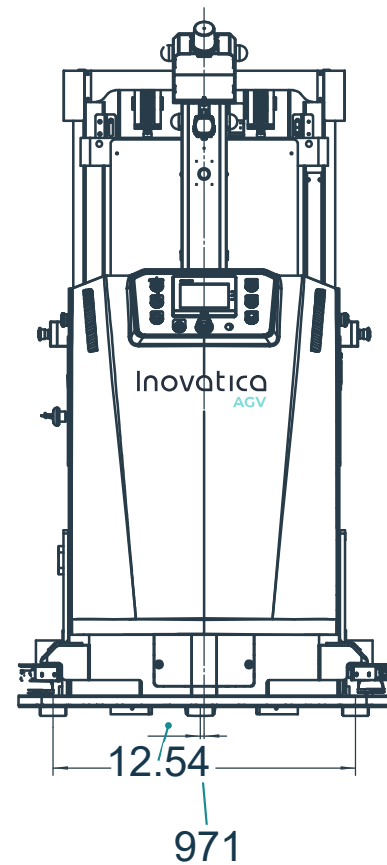
The side view shows the forks lowered. Maximum lift is shown separately. Confirm length and height before designing the workstation: nominal dimensions 2190 × 1192 × 2228 mm; drawing labels: length 2162 mm, height 2190 mm.

Side - forks lowered**Front**

LA-1430 · FORKS LOWERED



Source drawing values · mm



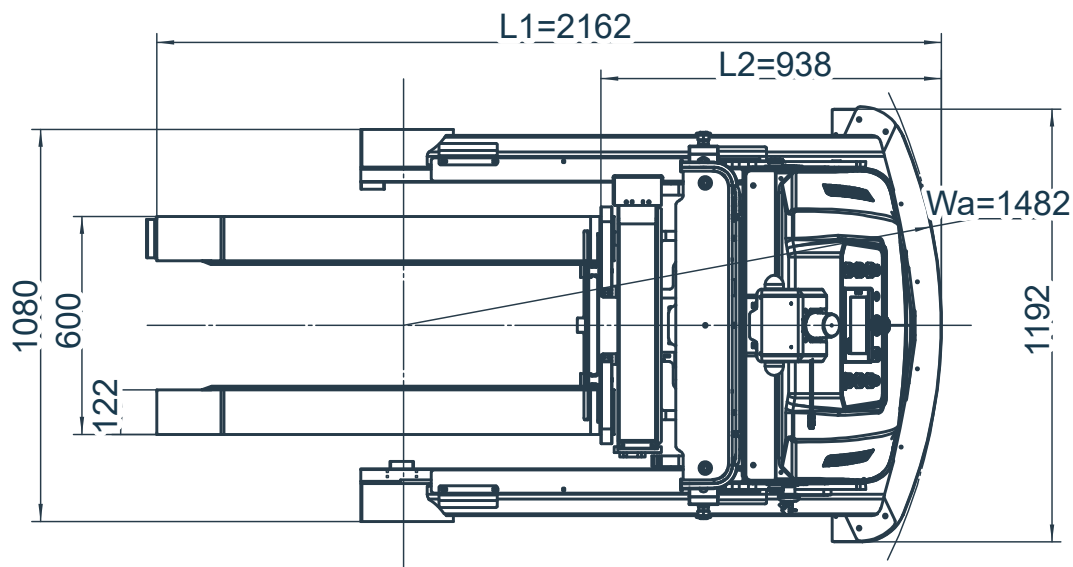


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Robot dimensions

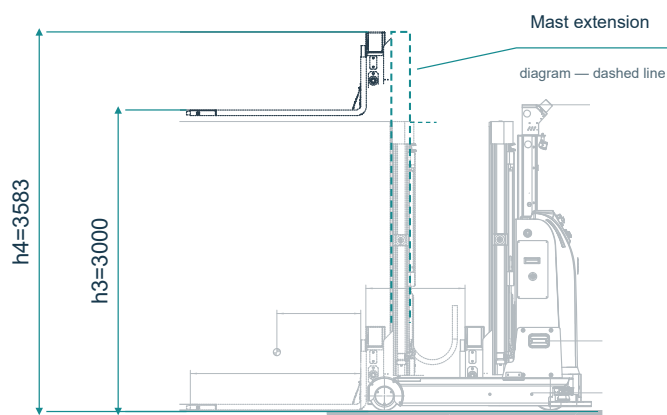
Dimensions in mm. Read the drawings according to their numerical labels.

Top



Lifting range

LA-1430 · LIFTING RANGE



h3 — fork lifting height

h4 — upper outline when raised

Light outline: lowered position. Values from the source PDF, in mm.