



The Mobile Robot Company

Knowledge Center — Dimensions · 2026-08-04

<https://info.mobilerobot.com/documentation/technical-reference/dimensions>

Dimensions

Complete dimensional data for the [J1600 self-driving pallet jack](https://info.mobilerobot.com/products/j1600/overview/) (<https://info.mobilerobot.com/products/j1600/overview/>), in metric and imperial units. Use these figures for layout planning, aisle checks, and load-carrier verification.

 PRELIMINARY SPECIFICATIONS

The January 2026 specifications are preliminary and subject to change.

Vehicle dimensions

Parameter	Metric	Imperial
Vehicle length	1,893 mm	75 in
Vehicle width	850 mm	33 in
Vehicle height, forks lowered	2,060 mm	81 in
Vehicle height, forks at maximum height	2,350 mm	93 in
Ground clearance	30 mm	1.2 in
Wheelbase	1,106 mm	44 in
Turning radius	1,501 mm	59 in
Tiller-handle height, upright	1,234 mm	49 in
Truck weight	980 kg	—

Fork geometry

Parameter	Metric	Imperial
Fork height, lowest position	90 mm	3.5 in
Fork height, highest position	1,600 mm	63 in
Fork length	1,150 mm	45 in
Fork width	180 mm	7 in
Fork thickness	60 mm	2.4 in
Fork outer distance	680 mm	27 in
Fork inner distance	320 mm	13 in

The 1,600 mm maximum fork height applies to manual pick and drop. Autonomous pallet delivery is at floor level.

Wheels

Wheel	Size
Load wheels	70 mm wide × 80 mm diameter (2.8 × 3.1 in)
Drive wheel	75 mm wide × 230 mm diameter (3 × 9 in)

Wheels are polyurethane.

Supported load envelope

Parameter	Metric	Imperial
Maximum pallet/load length, including overhang	1,250 mm	49 in
Maximum pallet/load width, including overhang	1,250 mm	49 in
Maximum load height from floor	1,700 mm	67 in

The exact maximum envelope is 1,250 mm; carriers must have an [open base with no bottom deck board](https://info.mobilerobot.com/products/j1600/pallet-and-load-compatibility/) (<https://info.mobilerobot.com/products/j1600/pallet-and-load-compatibility/>). Supported types include EPAL Euro Pallet, EPAL 3, EPAL 6, open-base GMA pallets, and any forkable open-base carrier within these limits.

Related reference

- [Product data sheets](https://info.mobilerobot.com/documentation/technical-reference/product-data-sheets/) (<https://info.mobilerobot.com/documentation/technical-reference/product-data-sheets/>) — the consolidated specification summary.
- [Electrical specifications](https://info.mobilerobot.com/documentation/technical-reference/electrical-specifications/) (<https://info.mobilerobot.com/documentation/technical-reference/electrical-specifications/>), and [battery specifications](https://info.mobilerobot.com/documentation/technical-reference/battery-specifications/) (<https://info.mobilerobot.com/documentation/technical-reference/battery-specifications/>).
- [J1600 technical specifications](https://info.mobilerobot.com/products/j1600/technical-specifications/) (<https://info.mobilerobot.com/products/j1600/technical-specifications/>) in the product section.