



PRODUCT DATASHEET / HORIZONTAL TRANSPORT

# HT-15

## AGV pallet truck

HT-15 handles repetitive transport of open pallets between production, buffers and the warehouse. It lifts the pallet to transport height and carries it along floor-level routes.



Load capacity / payload

**1500 kg**

Lifting height

**205 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                   | Autonomous forklift |
| Operating mode                 | Autonomous / manual |
| Pallet type                    | Open pallet         |
| Maximum load capacity          | 1500 kg             |
| Load centre distance           | 600 mm              |
| Standard lifting height        | 205 mm              |
| Travel speed (laden / unladen) | 1.4 / 1.4 m/s       |

### Dimensions and site conditions

| Specification                                                           | Value                                       |
|-------------------------------------------------------------------------|---------------------------------------------|
| Weight (including battery)                                              | 403 kg                                      |
| Forklift dimensions (L × W × H)                                         | 1685 × 980 × 1906 mm                        |
| Fork dimensions (L × W × H)                                             | 1220 × (170+7) × 75 mm; cable panel 7 mm    |
| Outer fork width                                                        | 550 / 600 / 680 mm                          |
| Minimum turning radius                                                  | 1532 mm                                     |
| Ambient temperature range                                               | 0°C to 50°C                                 |
| Ambient humidity range                                                  | 10% to 90%, normal pressure, non-condensing |
| Floor conditions (gradient / step / gap)                                | <5% / 10 mm / 30 mm                         |
| Right-angle stacking aisle width, 800 × 1200 pallet (1200 along forks)  | 2220+200 mm                                 |
| Right-angle stacking aisle width, 1000 × 1000 pallet (1000 along forks) | 2230+200 mm                                 |
| Right-angle stacking aisle width, 1000 × 1200 pallet (1200 along forks) | 2260+200 mm                                 |



## Technical specifications

### Navigation and safety

| Specification                      | Value            |
|------------------------------------|------------------|
| Navigation type                    | Laser SLAM       |
| Navigation positioning accuracy    | ±10 mm           |
| Navigation angle accuracy          | ±1°              |
| Number of lidars                   | 1x P+F + 2x SICK |
| Wi-Fi roaming                      | Standard         |
| 3D obstacle avoidance              | Standard         |
| Pallet recognition                 | Standard         |
| Emergency stop button (E-stop)     | Standard         |
| Audible and visual signals         | Standard         |
| Braking distance (1 m/s / 1.5 m/s) | 1 m / 2 m        |
| Fork height protection             | Standard         |
| ISO 3691-4                         | Standard         |
| EMC / ESD                          | Standard         |
| UN38.3                             | Standard         |
| RED                                | Standard         |

### Battery and charging

| Specification              | Value                  |
|----------------------------|------------------------|
| Battery specification      | 48 V / 46 Ah (LiFePO4) |
| Battery runtime            | 8 to 10 h              |
| Charging time (10% to 80%) | 1 h                    |
| Charging method            | Manual / Automatic     |



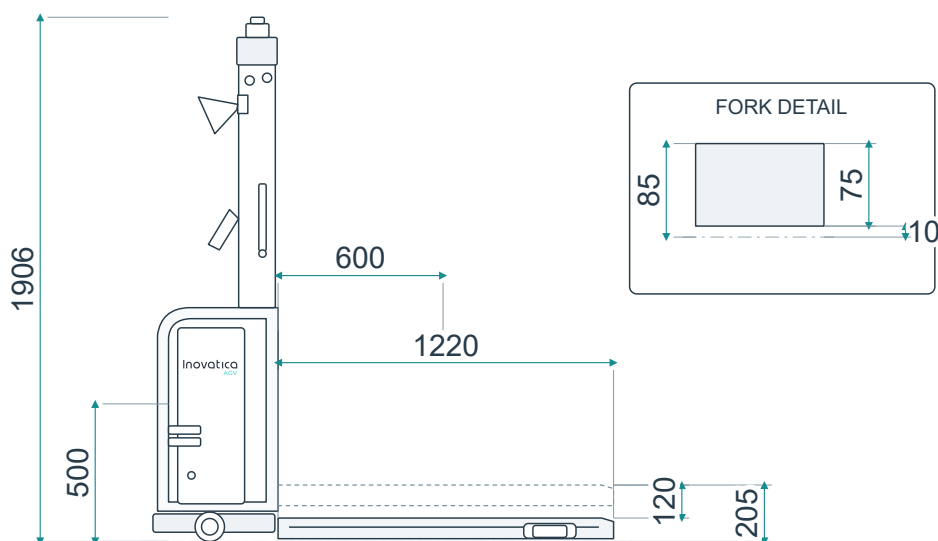
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## Robot dimensions

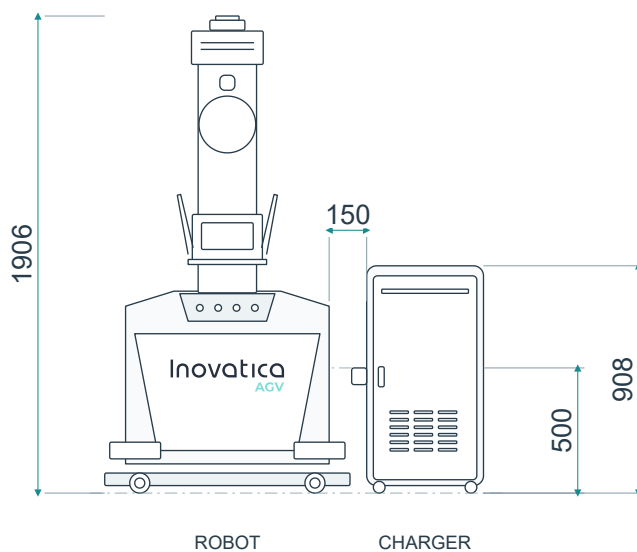
Dimensions in mm. Read the drawings according to their numerical labels.

In the charger drawing: 150 mm is the gap from the robot, 500 mm is the charging interface height, and 908 mm is the charger height.

### Side



### Front and charger



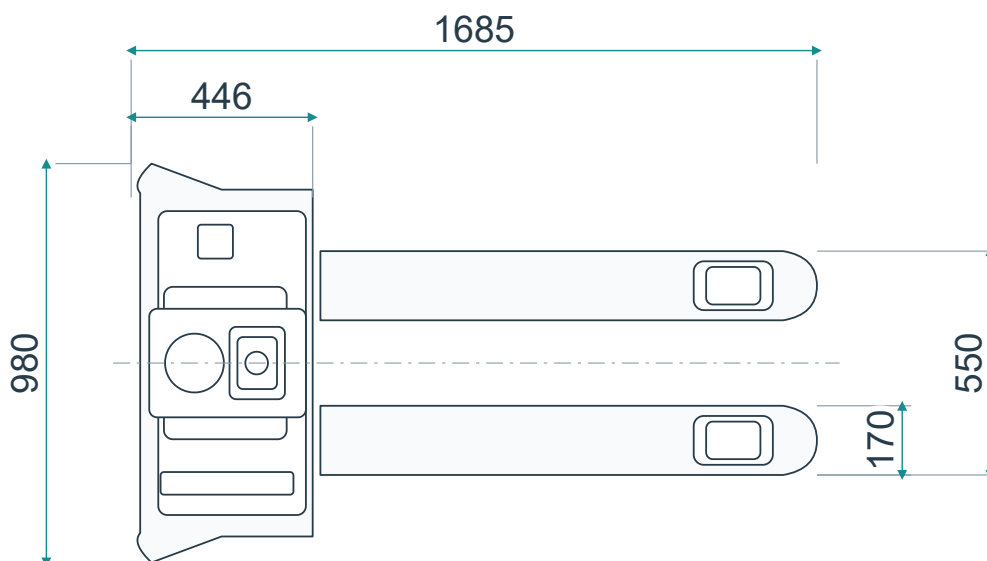


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## Robot dimensions

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

Top



 R1532 · turning radius



Front



Left side

View the model and available materials at [agv.inovatica.com](https://agv.inovatica.com).

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