



# *L2lift*

MOBILE TRANSPORT ROBOT

DATASHEET

**SAFELOG**

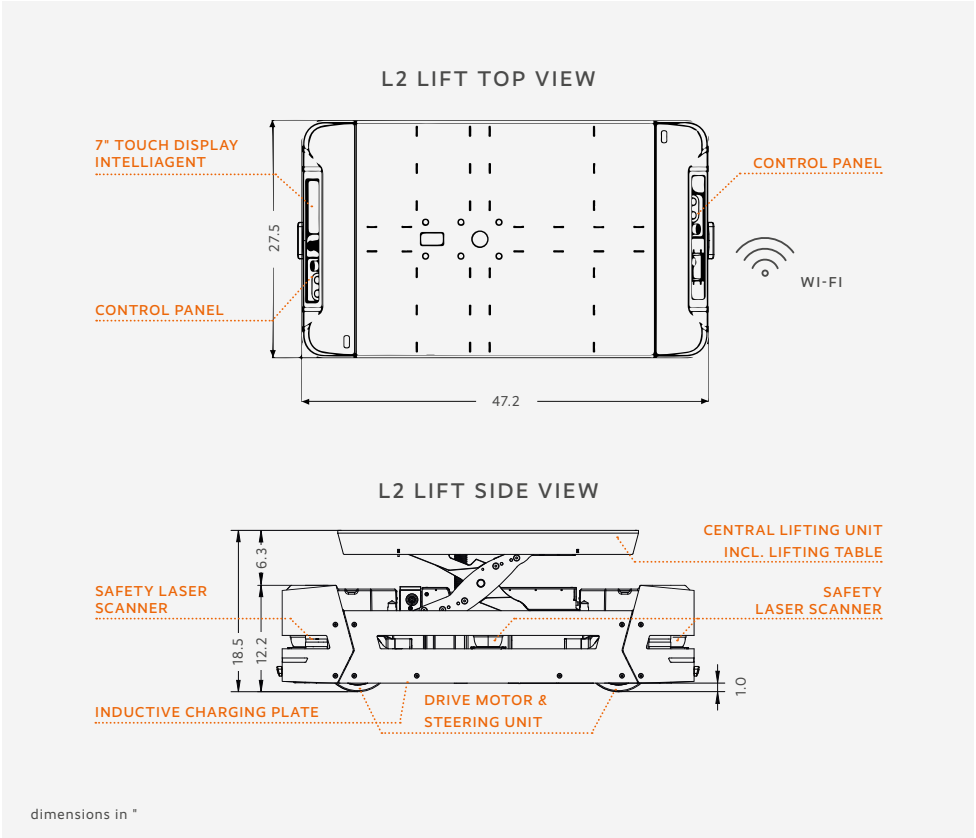
# GENERAL INFORMATION

The mobile robots in the SAFELOG L2 product family are primarily used for transporting pallets and pallet cages weighing up to 3,307 lbs. The omnidirectional travel mode and the ability to turn on the spot guarantee a high level of agility even in confined spaces, despite the high payload.

The SAFELOG L2 lift mobile robot can actively lift and transport loads of up to 3,307 lbs using a scissor lift table. The maximum travel of the lift table is 6.3".

## DEVICE INFORMATION

|                 |                      |
|-----------------|----------------------|
| Product name    | SAFELOG L2 lift      |
| Casing material | Steel/technopolymers |
| Weight (lbs)    | 725 <sup>2</sup>     |



Pictures and drawings may show optional accessories or previous device versions. Specific configuration according to offer. We reserve the right to modify product specifications without prior notice.

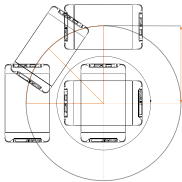
TECHNICAL DATA

| PERFORMANCE                   | Standard                               | Optional                                |
|-------------------------------|----------------------------------------|-----------------------------------------|
| Topload level (lbs)           | 3,307 <sup>1</sup>                     | —                                       |
| Lifting height (platform) (") | 6.3                                    | —                                       |
| Speed (mph)                   | 0.04 – 2.2/3.6 (w/o load) <sup>1</sup> | —                                       |
| Positioning accuracy (")      | +/- 0.2 <sup>1,3</sup>                 | —                                       |
| Localization                  | Magnetic track, RFID, inductive sensor | LiDAR (LLS), grid codes (only with LLS) |
| Sensors                       | —                                      | 3D camera, RFID, light barrier          |

| ELECTRICAL DATA                    | Standard                 | Optional                           |
|------------------------------------|--------------------------|------------------------------------|
| Charging system                    | Inductive                | —                                  |
| Battery type and quantity          | LiFePO4 (2)              | LiFePO4 (3/4)                      |
| Capacity (Ah)                      | 42                       | 63/84                              |
| Operating voltage (V)              | 24                       | —                                  |
| Charging time 20–80% (min)         | 30 <sup>1</sup>          | 40/60 <sup>1</sup>                 |
| Continous driving (w/[o] load) (h) | [3.0] 1.7 <sup>1,4</sup> | [4.4] 2.6/[5.9] 3.4 <sup>1,4</sup> |

| SAFETY DEVICE       |                      |
|---------------------|----------------------|
| Personnel safety    | Safety laser scanner |
| Emergency stop      | Front/back           |
| LED-Strip           | Front/back           |
| Bluespot (optional) | Front/back           |

| OPERATION DATA       |                |
|----------------------|----------------|
| Temperature (°F)     | +41 to +95     |
| Conformity           | CE, FCC        |
| Max. grade (%)       | 5 <sup>1</sup> |
| Operating time (h/d) | 24/7           |
| Floor condition      | VDI 2510       |



Turning radius ("):  
39.3

<sup>1</sup> environment-dependent

<sup>2</sup> without optional accessories

<sup>3</sup> dependent on localization method

<sup>4</sup> at linear speeds of 2.2 mph without acceleration,  
load of 2,205 lbs, 80% driving share

## L2 LIFT



**Standard**



**Standard** (lifting unit extended and retracted)



Sensors optional: **3D cameras**



**Safety and warning fields**

## L2 LIFT PERIPHERALS



**Charging station**



**Charging plate** (inductive charging)



**Pallet transportation** as a use case



**Lift truck** for L2 transportation

