



L2lift

MOBILE TRANSPORT ROBOT

DATASHEET

SAFELOG

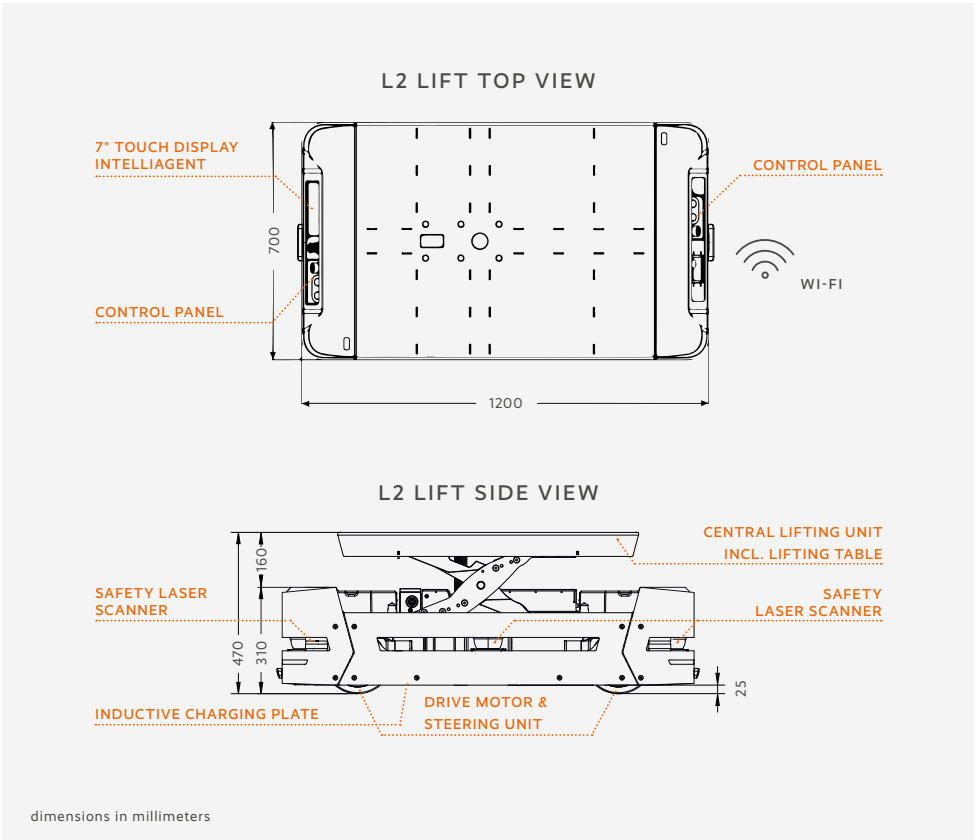
GENERAL INFORMATION

The mobile robots in the SAFELOG L2 product family are primarily used for transporting pallets and pallet cages weighing up to 1,500 kg. 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 1,500 kg using a scissor lift table. The maximum travel of the lift table is 160 mm.

DEVICE INFORMATION

Product name	SAFELOG L2 lift
Casing material	Steel/technopolymers
Weight (kg)	329 ²



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.

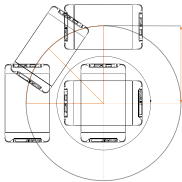
TECHNICAL DATA

PERFORMANCE	Standard	Optional
Topload level (kg)	1,500 ¹	—
Lifting height (platform) (mm)	160	—
Speed (m/s)	0.02 – 1/1.6 (w/o load) ¹	—
Positioning accuracy (mm)	+/- 5 ^{1,3}	—
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 ¹	40/60 ¹
Continuous driving (w/[o] load) (h)	[3,0] 1,7 ^{1,4}	[4,4] 2,6/[5,9] 3,4 ^{1,4}

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

OPERATION DATA	
Temperature (°C)	+5 to +35
Conformity	CE, FCC
Max. grade (%)	5 ¹
Operating time (h/d)	24/7
Floor condition	VDI 2510



Turning radius (m):
1

¹ environment-dependent

² without optional accessories

³ dependent on localization method

⁴ at linear speeds of 1.0 m/s without acceleration,
load of 1,000 kg, 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

