

# MOBOT® TRANSPORTER T5 mobile robot

An autonomous mobile robot used to automate the transport and towing heavy loads. It travels independently along the programmed route.

- ▶ Inexpensive and intuitive to use
- ▶ For quick, independent implementation
- ▶ Works safely with people while carrying your loads
- ▶ Increases process efficiency and reduces costs
- ▶ Degree of protection IP65 and the option of retreaded wheels allow for outdoor use
- ▶ ROI for one-shift work and replacement of 1 person is only 1 year
- ▶ You can quickly and conveniently configure the product via the website
- ▶ It gives the possibility to use almost any additional equipment. You can expand the robot with a wide spectrum of functionalities.



 operating time up to 8 h on a single charge

 towing capacity up to 500 kg

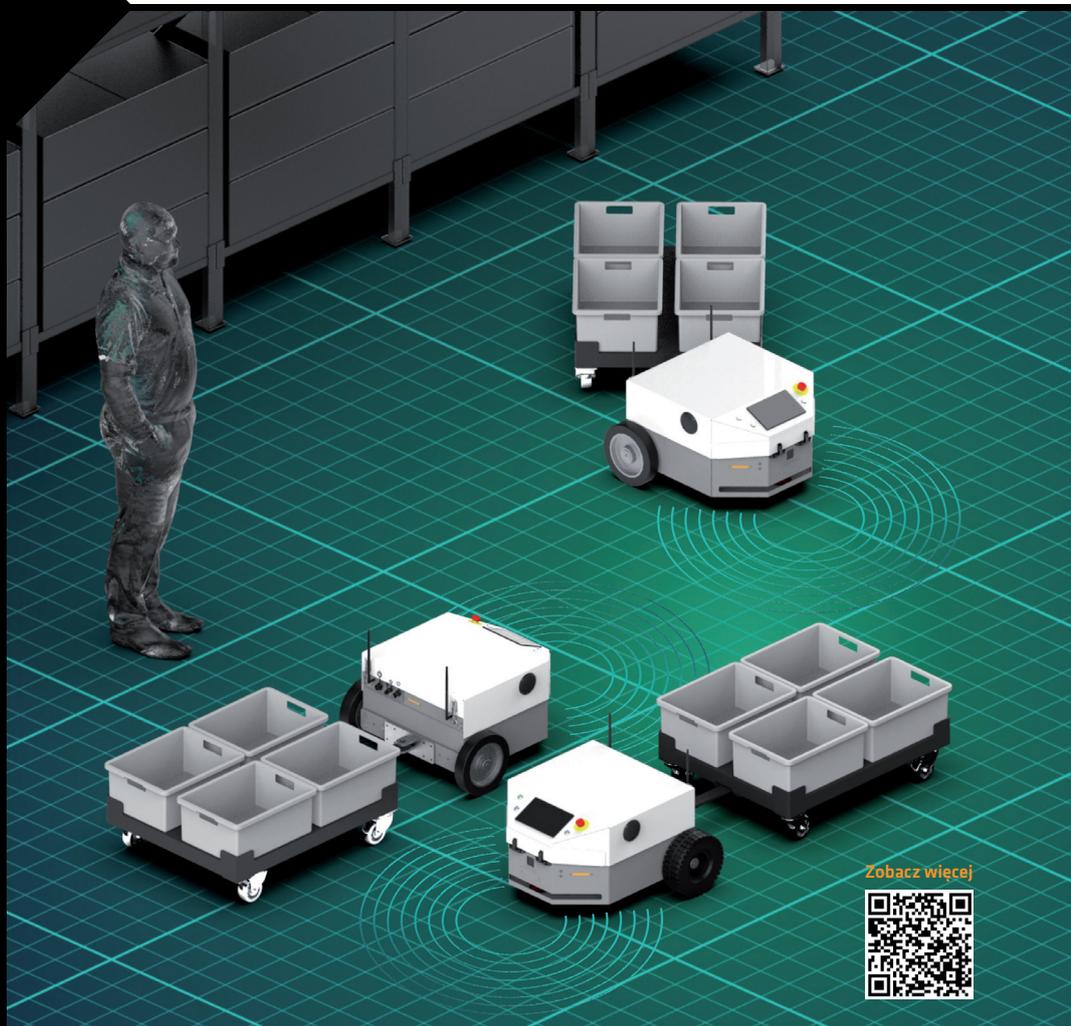
 Wi-Fi communication

 dimensions  
685x 674/732 x 418 mm

 max speed  
2,83 km/h or 5,65 km/h

 navigation  
LMS system

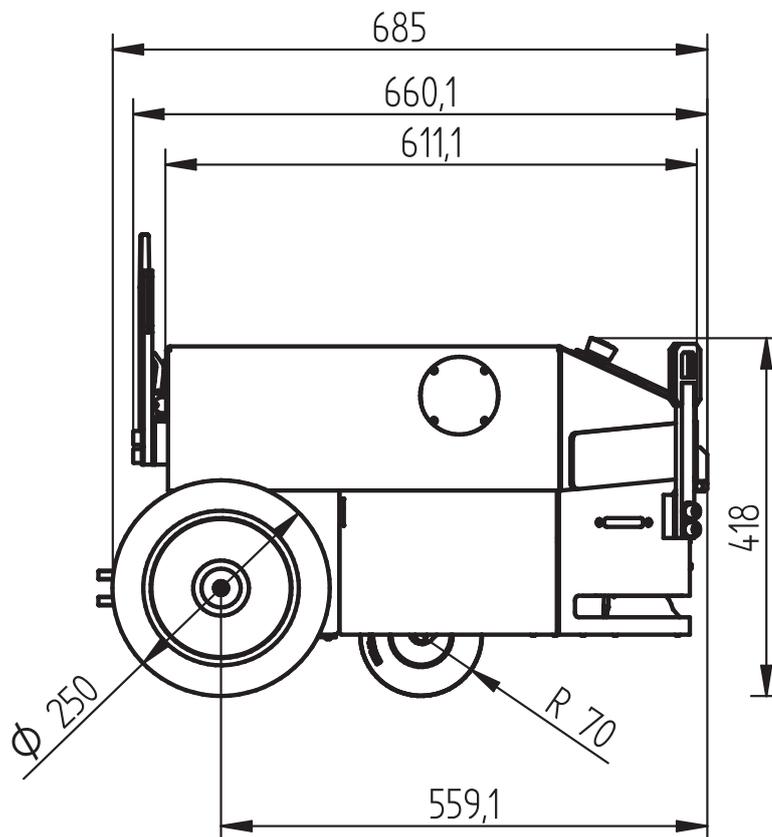
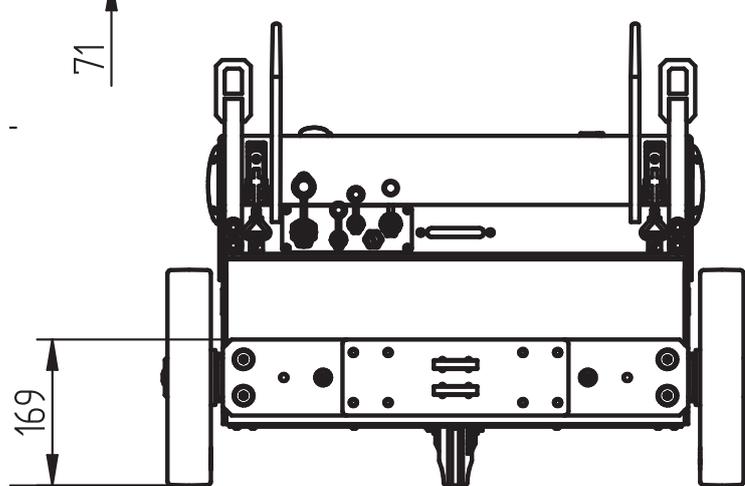
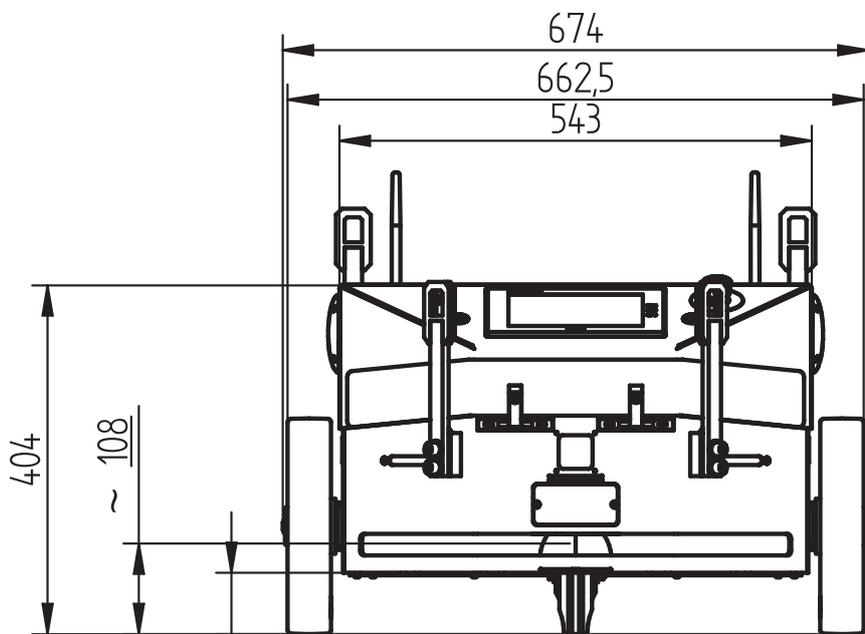
**Intended use:** for hospitals, industrial production, shops, airports, logistics



Zobacz więcej



Robot type	<b>MOBOT® TRANSPORTER T5</b>
<b>Payload and transport method</b>	
Way of transporting cargo	The robot is pulling carts; replaceable clip on the back of the robot
Permissible total weight of the load	<500 kg
<b>Power supply</b>	
Manual battery charging connector	YES (48V DC/ 44V DC, max. 20 A)* * - depends on the selected battery pack
Automatic battery charging connector	Movable contact connector mounted on the bottom of the robot allows to automatically charge the battery during operation (optional)
Robot power supply	<ul style="list-style-type: none"> <li>- Standard battery pack Li-Ion 20 Ah/ 48 V</li> <li>- Optional battery pack Li-Ion 30 Ah/ 44 V</li> <li>- Optional battery pack Li-Ion 40 Ah/ 44 V</li> </ul>
Charging	<ul style="list-style-type: none"> <li>- Standard 5A charger, connected manually with a connector</li> <li>- Optional 20A quick charger connected manually via connector</li> <li>- Optional contact module for automatic charging</li> </ul>
Operating time at full load	~ 8 h
Operating time in standby mode	~ 40 h
Battery charging time	<ul style="list-style-type: none"> <li>- 20 Ah battery: ~ 4 h (5Ah charger), ~ 1 h (20 Ah charger)</li> <li>- 30 Ah battery: ~ 6 h (5Ah charger), ~ 1.5 h (20 Ah charger)</li> <li>- 40 Ah battery: ~ 8 h (5Ah charger), ~ 2 h (20 Ah charger)</li> </ul>
<b>Speed and performance</b>	
Maximal speed	5,65 km/h
Nominal speed	1500 W
Movement directions	Forward movement, rotation
Turning radius	Possibility of turning in place
Maximum surface slope	Restricted by the allowed approach angle of the robot
<b>Navigation</b>	
Navigation	<ul style="list-style-type: none"> <li>- LMS laser, intelligent and autonomous navigation *</li> <li>- Vision system for precise positioning</li> <li>- Manual robot control from a PC or Android device</li> </ul> <p>* LMS - laser navigation system</p>
<b>Communication</b>	
Communication	2.4 GHz Wi-Fi, optional 2.4 GHz industrial radio module (RS232)
Connector	<ul style="list-style-type: none"> <li>- Ethernet M12 (4 pin) - communication with PC, MODBUS TCP / IP</li> <li>- I / O switch: 24 VDC supply output (max. 2 A) + 2 inputs + 2 out (max. 0.5A) + CAN *</li> <li>- Optional power connector: 24 VDC power supply output (max. 10A) + 2 power outputs (max. 10 A)</li> <li>- Optional external safety circuit connector</li> </ul> <p>* option of connecting an optional I / O expansion module</p>
<b>Drive and control</b>	
Drive	2x servo motor (brushless), wheels with a diameter of 250 mm
Control and steering	<ul style="list-style-type: none"> <li>- 1 x 7 "touch operator panel</li> <li>- 1 x emergency stop</li> <li>- 1 x emergency stop reset confirmation button</li> <li>- 1 x power switch</li> <li>- 1 x function button</li> </ul>
<b>Sensors</b>	
Sensors	<ul style="list-style-type: none"> <li>- 2D laser scanner for navigation with safety function</li> <li>- Camera for tag recognition and precise positioning</li> </ul>
Signaling	<ul style="list-style-type: none"> <li>- 1 x buzzer</li> <li>- 2 with loudspeaker (voice / music messages)</li> <li>- 2 x direction indicator in front of the robot</li> <li>- 1 x traffic light at the rear</li> </ul>
<b>Environment</b>	
Operating temperature range	5 ÷ 45 °C
Humidity range	< 80 %, no condensation
Protection degree	IP65
The intensity of external light	< 1500 lx
<b>Dimensions and weight</b>	
Dimensions (L x W x H)	685 x 674/732 (depending on the drive wheels) x 418 mm
Total weight (with batteries)	~ 130 kg



All dimensions are approximate values and can change.

