



AETHON TUG T3XL Autonomous Mobile Robot

Product Description

The TUG T3XL from Aethon is an enhanced smart autonomous mobile robot that automatically transports materials and supplies in commercial environments. Its total capacity is 1,400 lbs (635 kg) and cart length is 48" (122cm) long. TUG is different from other AMR systems in that it requires no infrastructure.

- 24x7 Improved Productivity
- Auto docks and auto charges
- Automatic drop off and pickup of cart
- Can travel on irregular concrete floor
- Navigates on internal map of facility
- Has multiple dispatch modes:
 - Scheduled
 - Touchscreen ad-hoc
 - Multi-stop "milk runs"
 - Handheld ad-hoc requests
 - Manufacturing system messages



Specifications

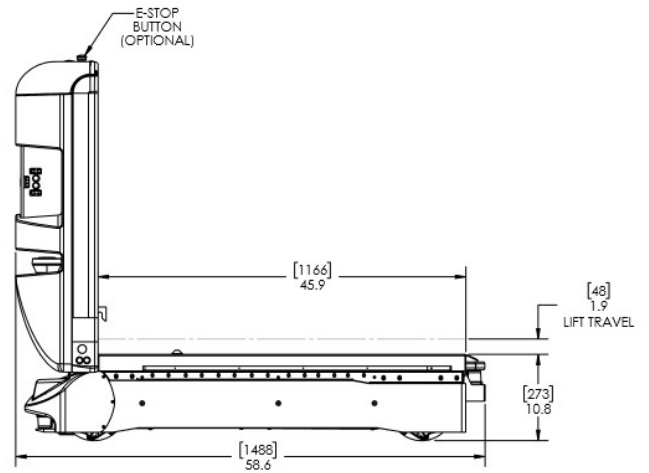
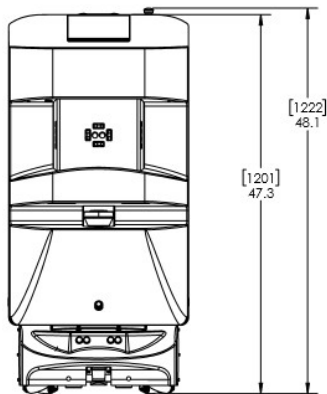
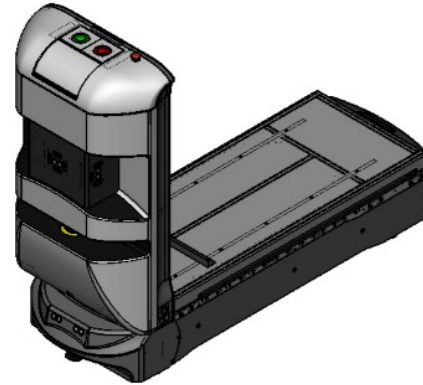
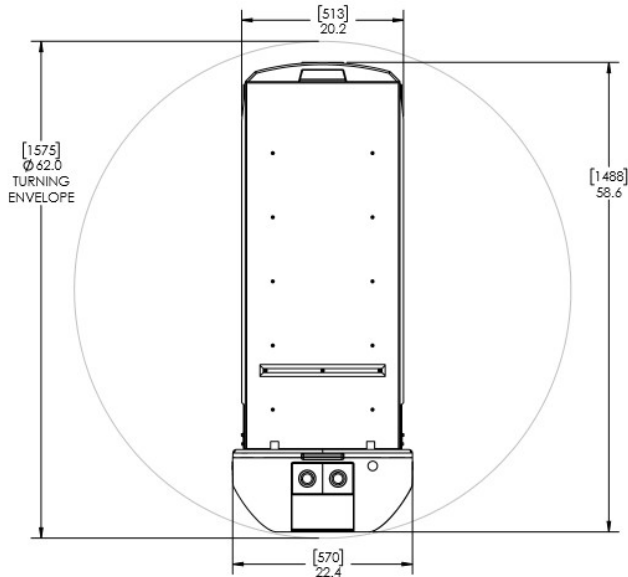
Specification	
Maximum Carrying Capacity	1,400 lbs / 635kg
Battery Run Time	10 hours with intermittent charging
Battery Technology	Valve-Regulated Lead-Acid (VRLA)
Cart Length	48 Inches / 122 cm
Drive System	Omnidirectional 4 wheel driven
Navigation and Obstacle Detection	Real-time multi-LIDAR, sonar and infrared sensors
Communications	WiFi or 900MHz
Support	Locally hosted or remote to Aethon Command Center via secure encrypted VPN
Turning Radius	Rotate about center, front or rear
Docking Station Width	24" (61cm) plus 12"(30.5cm) clearance
Environmental	Interior use
Travel Speed	30" (76 cm) per second

Standards Compliance

- EN 12100:2010, EN 60204-1:2006+A1:2009, IEC 60034-1:2004-04
- EN 61000-6-4:2007; EN 61000-6-2:2005; EN 60601-1-2:2007, EN 55022
- EN 301 489-1, EN 301 489-17
- FCC CFR 47, Part 15; ICES-001; Australian RCM Compliance
- ETSI EN 300 220-1 V2.4.1 & ETSI EN 300 220-2 V2.4.1
- EN 300 328 1.7.1, EN 301 893 1.6.1

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Full Omnidirectional Motion Capability



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Specifications subject to change.