



## OTTO 750 V1.2

### APPLICATION

OTTO 750 autonomously moves pallets, racks, and other medium-sized payloads.

### SPEED AND PERFORMANCE

<b>Maximum Total Payload</b>	750 kg (1653 lbs)	<b>Turning Radius</b>	0 mm
<b>Maximum Speed</b>	2.0 m/s (4.47 mph)	<b>Suspension</b>	Passive
<b>Docking Accuracy</b>	X,Y Accuracy $\pm$ 1cm, Yaw $\pm$ 1° Docking accuracy is subject to the deployment. Please speak to your OTTO Motors representative for more information.		

### SIZE AND WEIGHT

<b>Dimensions</b>	1810 x 1190 x 351 mm (71 x 47 x 13.85 in)	<b>Mass</b>	525 kg (1157 lbs)
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### BATTERY AND POWER SYSTEM

<b>Nominal Battery Voltage</b>	51.2V	<b>Battery Capacity</b>	100Ah
<b>Managed Battery Charging</b>	OTTO AMRs are capable of 24/7 continuous operation with ~85% individual robot availability. This is achieved with automated opportunistic charging without human intervention. Battery charge levels are intelligently managed by the OTTO Fleet Manager™ software.		

### INTERFACING AND COMMUNICATIONS

<b>Attachments and Accessories</b>	Conveyor, Lift, OTTO charge dock, portable manual charger, manual drive pendant, load plate	<b>Attachment Control Systems Power</b>	24VDC 5A, regulated, unswitched
<b>Integrated Lift</b>	Separate attachment	<b>Attachment Supply Power</b>	51.2VDC nominal 50A, Unregulated battery power, switched with safety circuit
<b>Communication</b>	WiFi 2.4 / 5 GHz (802.11 a/b/g/n)	<b>Custom Attachment Interface*</b>	1x Ethernet, 1x USB 2.0, 1 CAN bus, 2 general purpose inputs and outputs, 1 payload attachment control line, 1 payload attachment fault line, dual channel emergency stop breakout

### SAFETY AND AUTONOMY SENSORS

<b>Sensors and Cameras</b>	SICK s3000 Safety System for 360° safety protection, 3D Cameras for 120° detection front and back from 0-1,700mm above floor	<b>Lights and Emergency Stopping</b>	Perceptive 360° LED lighting, 4 emergency stop buttons
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## About OTTO Motors

OTTO Motors provides autonomous mobile robots for material handling inside manufacturing facilities and warehouses. OTTO is trusted for mission-critical deliveries in the most demanding of industrial environments. Customers include some of the world's most recognized brands, including GE and Toyota.

For more information visit  
[www.ottomotors.com](http://www.ottomotors.com)  
 or call us at  
**1-844-SEE-OTTO (1-844-733-6886)**