

OTTO
MOTORS



Unlock the Hidden
Potential of Your Facility

PENNAIR

Certified System Integration Partner of OTTO Motors

OTTO 100



OTTO 1500



Size and Weight	Dimensions	740 x 550 x 301 mm (29.1 x 22 x 12 in)	1810 x 1190 x 351 mm (71 x 47 x 13.85 in)
	Mass	127 kg (280 lbs)	525 kg (1157 lbs)
Speed and Performance	Maximum Total Payload	100 kg (220 lbs)	1500 kg (3306 lbs)
	Maximum Speed	2.0 m/s (4.47 mph)	2.0 m/s (4.47 mph)
	Turning Radius	0 mm	0 mm
	Suspension	Fixed	Passive
	Positional Accuracy	+ / - 25 mm (0.98 in)	+ / - 25 mm (0.98 in)
Battery and Power System	Battery Run Time	8 hrs	8 hrs
	Charge:Run Time Ratio	1:6	1:6
	Managed Battery Charging	24/7 continuous operation with 85% individual vehicle uptime is achieved with automated and brief visits to the OTTO charger at opportune times without human intervention. Battery charge levels are intelligently managed by the OTTO Fleet Manager.	
Interfacing and Communication	Attachments and Accessories	User-configurable cart, user-configurable shelves, OTTO charge dock, portable manual charger	Conveyer, Lift, OTTO charge dock, portable manual charger, manual drive pendant
	Integrated Lift	62 mm (2.44") stroke, 100 kg capacity	N/A
	Communication	Wifi (802.11 a/b/g/n/ac, 2.4 Ghz, 5 Ghz)	Wifi (802.11 a/b/g/n, 2.4 Ghz, 5 Ghz)
	Attachment Control Systems Power	N/A	24VDC 5A, regulated, unswitched
	Attachment Supply Power*	27.6VDC nominal 10A, Unregulated, unswitched battery power	51.2VDC nominal 50A, Unregulated battery power, switched with safety circuit
	Custom Attachment Interface*	2 x Ethernet POE, 2 x USB 3.0, 16x DIO (8x DI, 8x DO), e-stop extension, 1x serial RS-232, 2x dry contact relays	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 Features	Front safety-rated LIDAR sensor, 3D vision system for auxiliary object detection, 1 emergency stop button, perceptive 360° LED lighting	Front and rear safety-rated LIDAR sensors, perceptive 360° LED lighting, 4 emergency stop buttons

* Optional upgrade on the OTTO™ 100 not included in base price.

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