



# Model WL50-HL-BAT Headless Industrial Transporter



## Specifications

### Dimensions

Length	13.5 feet / 4115 mm
Width	6.5 feet / 1981 mm
Height – Lowered*	21 in / 533 mm
Height – Raised*	29.5 in / 749 mm
<b>Load Deck Dimensions</b>	
Length	12 feet / 3658 mm
Width	6.5 feet / 1981 mm
Suspension	Hydraulic

### Weights

Transporter Empty Weight	12,000 lbs / 5,455 kg
Transporter Loaded Weight	112,000 lbs / 50,900 kg
Rated Capacity	100,000 lbs / 45,450 kg

### Power

Type	Li-Ion Battery
Voltage	48 VDC
Current	360 Ah
Backup Power	480 VAC 3 Phase (Wye) 30A

### Drive System

Number of Wheel Modules	4
Wheel Diameter	12 in / 305 mm
Wheel Width	6 in / 152 mm
Propulsion	AC Servo
Steering	Joystick Control

### Travel Speeds

Unloaded	0 – 110 fpm / 33.5 mpm
Loaded – Flat Ground	0 – 50 fpm / 15.2 mpm
Loaded – at Maximum Slope (see below)	0 – 40 fpm / 12.2 mpm
Raise (maximum)	6.0 in per min (152 mppm)
Lower (maximum)	6.0 in per min (152 mppm)

### Environmental Conditions

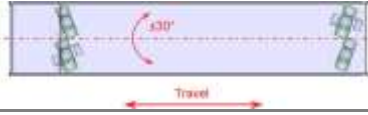
Maximum Operating Temperature	110° F / 43° C
Minimum Operating Temperature	20° F / -7° C
Relative Humidity	0 - 90%
Maximum Slope	3%

\* Travel within ¼” of raised or lowered height is limited to creep speed

## Omni-Directional Steering Modes

### Normal (All Wheel Steering)

Travel forward and reverse parallel to the transporter's long axis. Front wheels steer  $\pm 40^\circ$ . Rear wheels steer opposite direction of front.



### Lateral (All Wheel Steering)

Travel forward and reverse parallel to the transporter's short axis. Front wheels steer  $\pm 40^\circ$ . Rear wheels steer opposite direction of front.



### Normal Diagonal

Travel forward and reverse at an angle to the transporter's short axis. Front and rear wheels steer together.



### Lateral Diagonal

Travel forward and reverse at an angle to the transporter's long axis. Front and rear wheels steer together.



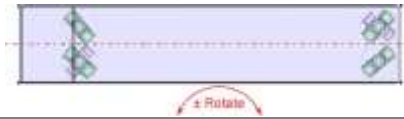
### Rotate

All modules align axle centerlines to theoretical center of transporter. Rotate clockwise or counter-clockwise about the center of the transporter.



### RotatePLUS

All modules align axle centerlines to a point along the transporter's short axis. Rotate clockwise or counter-clockwise about transporter's short axis.



### Machine Controller

Beckhoff Industrial PC TwinCAT ladder logic running Doerfer's control software.

### Operator Interface

Wireless radio joystick control with Beckhoff color touch screen HMI (Human Machine Interface).

Specifications subject to change without notice

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Authorized Wheelift Representative

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