

AGV

L-CART - AUTOMATIC GUIDED VEHICLE

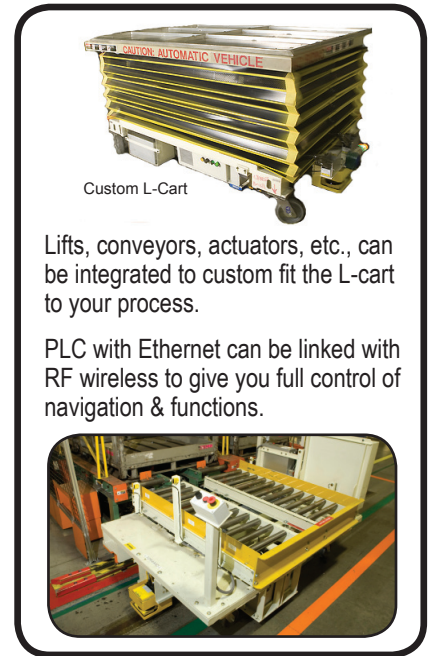


TOYOTA L-CART DRIVE UNIT BASIC SPECIFICATIONS

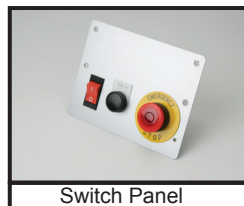
Model	ACBE2.5S	ACBE2.5D	ACBE5.0S	ACBE5.0D
Electrical System	24 Volt			
Guidance Method	Magnetic Induction			
Travel Direction	Fwd ONLY	Fwd & Rev	Fwd ONLY	Fwd/Rev
Maximum Weight Capacity* (Including Drive and ECU)	250kg	400kg	500kg	800kg
Maximum Drawbar	16kgf	26kgf	30kgf	46kgf
Speed	Maximum	60m/min	60m/min	30m/min
	Settings	3 Programmable Speeds		
Travel Instruction Method	Simple Command Mark (Multi-route controller optional)			
Steering Method	Differential (2 Driving Wheels)			
Braking Method	Electromagnetic			
Drive Unit Up/Down Method	Manual Lever			
Circuit Protection	Drive Motor Overload			
Minimum Turning Radius	600mm			
Weight of Drive Unit and Control Box	34kg			
Dimensions	L x W x H for Drive Unit	351mm x 355mm x 239mm		
	L x W x H for Control Box	400mm x 350mm x 120mm		
Floor Conditions	Slope	2% or less		
	Step (R ridge)	5mm or less		
	Gap (Crack)	20mm or less		
	Waviness	10mm or less over the length of AGV		
Working Environment	Temperature	0°C to 40°C		
	Humidity	20% to 80% RH (No Condensation)		
	Outdoor Use	Prohibited		

*Weight capacity is an estimate ONLY. Actual capacity depends on cart configuration (shape, size, weight, casters).

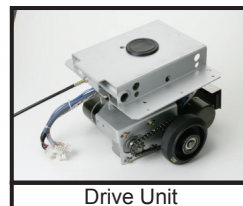
CUSTOM INTEGRATION



BASE KIT



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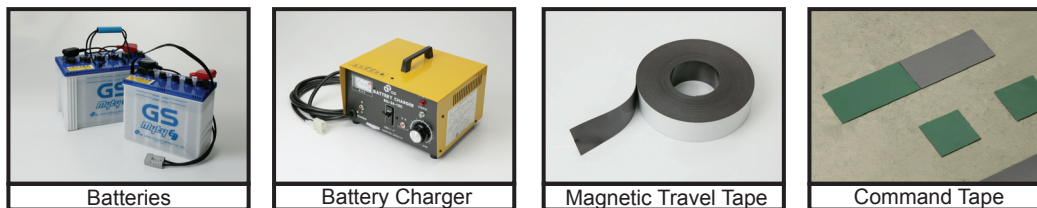
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ACCESSORIES



ADDITIONAL REQUIRED ITEMS



FEATURES AND BENEFITS

- Simple function & operation make it easy to implement and maintain
- Flexible to your changing environment
- Basic command mark control
- Easy to explore new ideas at low cost
- "Bolt On" type drive unit mounted to custom designed carts
- Can be integrated with a PLC for even more functionality

SYSTEM INTEGRATION OPTIONS

- Complete Safety Circuit
- RF Communication
- PLC
- RFID
- Opportunity Charging
- Complete Safety Circuit

