



ES-12-12E/ES-12-27E
 ES-14-14E/ES-14-30E
 ES-16-16E/ES-16-35E



Control Handle

- Ergonomic design-extra large push buttons for raise, lower and born functions are easily?accessible even with gloved hand.
- Large safety reversing button propels truck away from operator if contact with operator made while unit is in reverse mode.
- Dual forward/reverse grip controls for thumb operation.
- Automatic "dead-man" type braking with power cut-off switch when brake is applied.



Mast and Chassis

- High visibility is specially designed on mast with laterally mounted lifting cylinder.
- Safety screening protects operator during lifting and lowering.
- The mast fabrication is of cold drawn steel giving great rigidity.
- High quality ball bearing rollers.
- Battery can be easily changed.

Electric system and Controller

- Key switch.
- Emergency power disconnect button.
- Battery indicator meter.
- Advanced Curtis PMC drive controller gives smooth, step-less acceleration and infinitely variable speed control. providing superior command of the truck. The anti-rollback system delivers maximum power when required for uphill or down-hill gradients.
- Programmable electronics allow customer setting.

Drive unit

- Durable long lift gearbox with adequate ventilation.
- Powerful separately excited motor with high overload capacity.
- High precision gear makes low noise gear box.

Brake

- Electromagnetic disc brake connected to drive shaft.
- The CURTIS PMC has adjustable neutral braking, plugging, and regenerating braking.

Hvdraulic unit

- Heavy duty motor, gear pump, relief valve.
- Overload pressure relief valve protects system from pressure overload and bypasses oil.
- to reservoir when system reaches maximum pressure.

Model				ES-14-14S	ES-14-16S	
Characteristics	M	Capacity	kg	1400	1600	
		Load center	mm	600		
		Drive type		Battery powered		
		Operator type		Hand,pedestrian		
Specifications	A	Maximum lifting height	mm	3000/3300/3600/4000		
	B	Lower height of fork	mm	50		
		Standard fork length	mm	1110		
		Fork width	mm	100		
		Maximum turning radius	mm	1482		
	C	Maximum aisle width	mm	2780		
		Minimum ground clearance	mm	30		
Performance		Maximum travel speed	Laden	km/h	3	
			Unladen	km/h	3.5	
		Maximum lifting speed	Laden	m/s	0.13	
			Unladen	m/s	0.23	
		Maximum lowering speed	Laden	m/s	0.13	
			Unladen	m/s	0.23	
		Gradeability	Laden	%	5(WITHIN 5 MIN)	
			Unladen	%	7(WITHIN 30 MIN)	
Weight		Service weight without battery pack(3M standard)	kg	844		
		Service weight with battery pack(3M standard)	kg	1150		
Chassis	D	Overall length (3M standard)	mm	1875		
	P	Lenght	mm	1582		
	F	Straddle OD		mm	1470	
				mm	1270	
		Straddle OD		mm	1470/1320/1160(ES-14-14A,ES-16-16A)	
				mm	1270/1120/970(ES-14-14A,ES-16-16A)	
	L	Overall rear height	mm	1320		
	R	Rear body length	mm	760		
	J	Rear body width	mm	850		
	K	Rear body height	mm	750		
	N	Handle width	mm	430		
G	Mast extended height (118m"/130"/142"/157")	mm	4198/4498/4798/5198			
H	Mast lowered height (118"/130"/142"/157")		215/2135/2335/2535			
Wheel		Tyre type front /rear		poly/poly		
		Wheel	mm			
		Dimensoin of driven wheel	mm			
		Dimensoin of load wheel	mm			
		Dimensoin of universal wheel	mm			
	Wheel base					
Brake	I					
Motor		Travelling				
		Lifting				
Battery		Voltage				
		Capacity				
Control		System control				
		Drive and speed control				
		Hydraulic motor control				

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