



The Charlotte Model CLT-200E is an affordable 80V battery powered electric lavatory servicing vehicle. This Low-profile design is perfect for regional jet and narrow-body applications. The unit incorporates a 200 gallon waste tank situated at the front of the vehicle to simplify movement around the aircraft. The 100 gallon water (blue juice) tank is located in the rear behind the 500 Ah industrial battery. Power is supplied by a 40 hp (30 kw) AC motor which is directly coupled to the heavy-duty Charlotte rear axle. The unit has excellent visibility, maneuverability, and has a maximum speed of 19 mph (30.5 km/h).

Options include: On-board charger, Fast Charge port, Cold weather package, complete cab assembly with heater, defroster, mirrors, wiper, and vinyl doors.

Standard Features Include:

- Power Steering
- Rugged Design and Construction
- 3/8" Thick Polypropylene Tanks
- Split Braking System
- High Efficiency Low Maintenance AC Tram Motor
- Storage Area in Rear for Cleanup Material
- Storage Tray Behind Operator for Equipment

CLT-200E

TECHNICAL CHARACTERISTICS

Manufacturer	Manufacturer		Charlotte of America	
Model	Manufacturer's Designation		CLT-200E	
Energy Source	Battery	Volts	80	
Battery Capacity	Ampere Hour Range	AH	500	
Controller	Manufacturer		Sevcon	
	Model		ESPAC	
	80 Volt AC MOSFET controller with CAN buss and serial communication			
Motor	Type		AC Electric	
	Rating @ 80 Volts	hp / kw	40.0 / 30.0	
	Rating Speed	rpm	1400	
Dimensions	Length	in / mm	179.0 / 4547	
	Width	in / mm	57.5 / 1461	
	Height w/o Cab	in / mm	49.0 / 1245	
	Sitting Height	in / mm	34.0 / 864	
	Outside Turning Radius	in / mm	228.0 / 5791	
Performance	Speed Empty	mph / km/h	19 / 30.5	
Chassis	Frame Mfg. W/ Jigs & Fixtures		Yes	
	Auto Design Wiring Harness		Yes	
	Wheels Front/Rear		Heavy Duty One Piece	
	Tires Front		750 X 10	
	Tires Rear		21575R15	
	Wheel Base C/L (E)	in / mm	93.1 / 2365	
	Track Width C/L Front/Rear	in / mm	45.0 / 1143	
	Ground Clearance	in / mm	5.8 / 147	
	Service Brake Front/Rear		Disc/Drum (Bendix)	
	Parking Brake		Rear Drum	
	Suspension	Front		Leaf Springs
		Rear		Leaf Springs
Drive Axle	Motor Direct Coupled To Axle		Yes	
	Reduction In Differential		Yes	
	Reduction		17.45:1	



CHARLATTE
A M E R I C A
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200 Gallon Waste Tank

● 200 Gallon Capacity	● 3/8" Thick Polypropylene Material
● C/L of Inlet is 35-1/2" from Ground	● 10" Clean Out Cover Located On Top
● Mounted on 1/2" Pressure Treated Plywood	

100 Gallon Water (Blue Juice) Tank

● 100 Gallon Capacity	● 3/8" Thick Polypropylene Material
● Water Line Reel With Crank Lever	● 10" Clean Out Cover Located On Top
● Mounted on 1/2" Pressure Treated Plywood	

Options Available

● Water Line Space Heater w/Cable Reel	● Flow Meter
● Space Heater – Pump/Plumbing	● In Tank Heater
● Insulation Around Tanks & Plumbing	● On-board Charger
● Fast Charge Port	● Complete Cab Assembly

These descriptions are given as an indication only and do not represent a commitment