

CWT300E

Water Service Vehicle



The Charlotte Model CWT-300E is an affordable 80V battery powered electric water servicing vehicle. This Low-profile design is perfect for regional jet and narrow-body applications. The unit incorporates a 200 gallon and 100 gallon water (blue juice) tanks. 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 door.

STANDARD FEATURES

- Ø Power Steering
- Ø Rugged Design and Construction
- Ø Molded Polyethylene Tanks
- Ø Split Braking System
- Ø High Efficiency Low Maintenance AC Tram Motor
- Ø Storage Area in Rear for Cleanup Material
- Ø Storage Tray Behind Operator for Equipment

CWT300E

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		Curtis
	Model		1238
	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

200 Gallon Front Water (Blue Juice) Tank

● 200 Gallon Capacity	● Molded Polyethylene Material
● Water Line Reel With Crank Lever	● 8" Clean Out Cover Located On Top
● Mounted on 1/2" Pressure Treated Plywood	

100 Gallon Rear Water (Blue Juice) Tank

● 100 Gallon Capacity	● Molded Polyethylene Material
● Plumbed In Series With Front Tank	● 8" 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



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