



# 45E ELECTRIC PASSENGER COACH

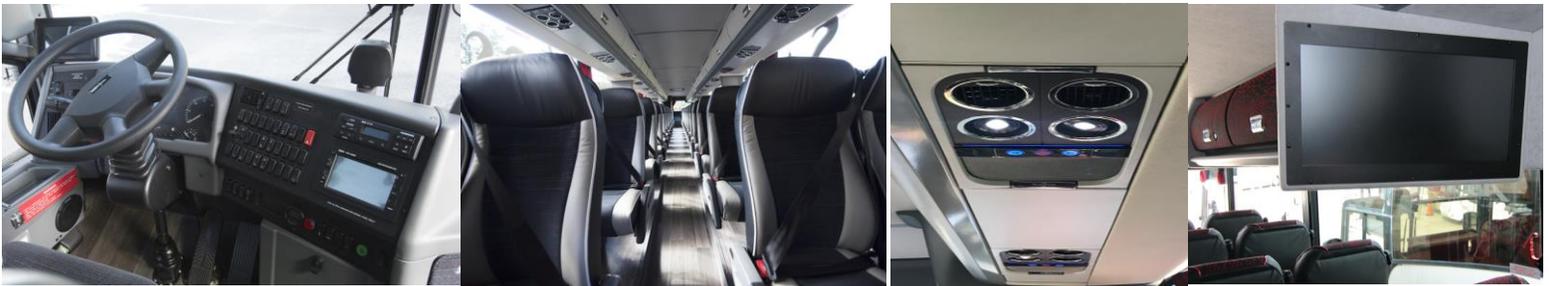


## EQUIPMENT HIGHLIGHTS



The CX45E electric coach offers a new interior and exterior design that integrates a host of new safety features with the added bonus of increased mechanical serviceability.

These enhancements, together with the benefit of parts interchangeability with other Van Hool models, can help make a major impact on down time, maintenance dollars, and overall cost of ownership.



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**Options shown in RED**

### General

Length	45'
Height	11' 6"
Width	102"
Headroom	75.75"
Wheelbase	25' 4.5"
Underfloor Storage Capacity (w/o lift)	182.93 ft <sup>3</sup>
Underfloor Storage Capacity (w/ lift)	143.38 ft <sup>3</sup>
Parcel Rack Storage Capacity (w/ lift)	80.52 ft <sup>3</sup>
Front Overhang	6' 2.4"
Rear Overhang	9' 11.5"
Turning Radius (at body corner)	43' 11.5"

### Electric Powertrain

- Permanent Magnet Drive Motor  
310kW nominal power - 360kW peak power
- Battery NMC Lithium Ion (US make)
- Energy content 676 kWh
- Nominal Range <sup>1</sup> 310 miles [500 km]
- Service Range <sup>2</sup> 195 miles [310 km]
- Traction System Siemens ELFA II

### Ride and Handling

- Six Wheel Disc Brakes Knorr
- Six Wheel Unitized Hubs
- ZF Variable Ratio Steering
- Independent Front & Tag Axle Suspension
- Suspension Knorr ELC
- Tag Axle Unloading System

### Body Construction

- Stainless Steel Chassis, Windshield & Side Window Frames
- One Piece Galvanized Steel Side Walls
- One Piece Aircraft-Quality Aluminum Roof
- Aluminum Pantograph Baggage Bay Doors
- Energy Absorbing Bumpers

### Chassis

- Dana/Spicer S172 Drive Axle
- Tilt & Telescopic Steering Wheel
- Rapid Rear Raise System
- Front Kneeling w/ Quick Recovery System
- Full Coach Raise & Lowering

### Electrical and Lighting

- Projector Beam Headlights
- LED Daytime Running Lights
- LED Side Marker Lamps w/ Integrated Turn Signal Function

**E-specs shown in GREEN**

### Electrical and Lighting (Continued)

- Full Multiplex System
- High Mount LED Brake Light
- LED Interior Ceiling Aisle Lights
- Front Side Cornering Lights
- LED Tail & Reverse Lights
- Dash Mounted 12/24 Volt Cut-Off Switch
- Battery Equalizer
- Easily Serviceable Tail Lights
- LCD Multi-Function Driver Display
- Automatic Entrance Lighting
- Keyless Ignition Switch
- Curb Side Lighting
- Battery Charger
- Road Side Lighting
- 110V Tamper-Resistant AC Receptacles, with or without USB

### Tires and Wheels

- Alcoa Dura Bright Aluminum Wheels (9)
- 315/80R-22.5 Goodyear Marathon LHS II + HL

### Interior

- Seating
  - Max. 56 Passenger KIEL 1020, FMVSS 210 Seats w/ Footrest & 3-Point Seat Belts
  - ISRI 6800/348 Adjustable Drivers Seat (Pneumatic) w/ 3-Point Seat Belt (3rd Point Fixed on B-Post)
  - ISRI 6832-870 Drivers Seat w/ Integrated 3-Point Seat Belt
- Two Piece Windshield
- Double Pane Seamless Side Glass
- Enhanced Curved Entry Stairwell
- Driver's Right Hand Console w/ Grab Rail
- Two Left Hand Driver Cup Holders
- Map Light
- Passenger Individual Reading Lights w/ Directional Adjustment
- Sliding Passenger Multisets
- Electric Windshield Sun Visors
- Supplemental Restroom Holding Tank
- Keyed Alike Baggage & Service Doors
- Central Air Locking System Baggage Doors
- Ramped Entry Aisle (In Lieu of Step)
- Monogram Flush Toilet (rear RHS)
- Rear Window
  - Passenger Side Window Shades
  - Enclosed Parcel Racks
  - Contoured Parcel Racks w/ 23" Monitors
  - Magazine Nets
  - Cup Holders
  - Card Tables
  - Driver's Shield

### Climate Control

- Integrated HVAC System
- Eberspächer Süttrak
- 134a Refrigerant
- Timer for Auxiliary Heater

### Other Equipment

- Remote-Control & Heated Black Mirrors
- Audio System w/ PA & Two Microphones
- Touchscreen Radio w/ DVD Player & Back-up Camera Display
- Enhanced Sound System
- Cordless Microphone
- Individual Multi-Channel Audio System
- Custom Paint
- Custom Vinyl Graphics Installation
- Destination Sign(s)
- Global Positioning System
- In-Motion Satellite TV System
- Road Viewing Monitor System
- Side View Cameras
- WiFi

### Midship Lift OR 2<sup>nd</sup> entrance door <sup>3</sup>

- Midship Wheelchair Lift Ready w/ two Tie-Down Positions
- Passenger Chime Buttons for ADA Seats
- 2<sup>nd</sup> entrance door + center restroom <sup>3</sup>
- Braun NL-501

### EXTENSIVE STANDARD SAFETY PACKAGE

- FMVSS 210 Seating w/ 3 Point Seat Belts
- 3 Point Seat Belt Driver Seat
- Electronic Braking System (EBS 3) with
  - Anti lock Braking System (ABS) on all axles
  - Bus Stop Brake Brake Interlock on all axles
  - Brake Assistant on all axles
  - Automatic Traction Control (ATC) drive axle
  - Drag Torque Control (DTC) on drive axle
  - Electronic Stability Control (ESC)
- Daytime Running Lights (DRL)
- Fire and Smoke Detection System
- Tire Pressure Monitoring System (TPMS)
- Lane Departure Warning System (LDW)
- Static Aiming Light System
- Backup Camera with In Dash Display
- Roof Hatches
- Quiet Road Transport Vehicles (QRTV)

<sup>1</sup> Subject to operational conditions

<sup>2</sup> Simulated range based on a suburban drive profile at an ambient temperature of 68°F (20°C), max. speed of 65 mph and fully loaded vehicle.

<sup>3</sup> Bay lift provisions and second door (optional) are mutually exclusive, and thus can NOT coexist.