

# Van Hool CX45E



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# Van Hool CX45E

## General

Length 45'  
Height 11' 6"  
Width 102"  
Wheelbase 25' 4.5"  
Parcel Rack Storage (w/o lift) 108.77 cu. ft.  
Parcel Rack Storage (w/lift) 84.9 cu. ft.  
Front Overhang 6' 2.4"  
Rear Overhang 9' 2.2"  
Turning Radius 43' 11.5"  
Headroom 75.75"  
GVWR 54,000 lbs.

## Vehicle Traction System

Make: Siemens Elfa 2  
Controller: Siemens Dico Elfa 2 ECU  
Type: PEM - 1DB2024-ONA06  
Construction: Permanent Magnet  
Inverter Boxes: (2) Siemens Elfa 2 mono

## Energy Storage

Battery Type: Proterra E2 Lithium Ion Batteries  
Total Storage Capacity: 660 kWh

## Drive Train Cooling

(2) 1kW Electric Fans / Diameter 19.7"

## Energy Recovery

Regenerative Braking System  
CCS-1 DC Fast Charge Port / Integrated Thermal Sensor  
Electrical Retarder w/ Energy Recuperation

## Ride & Handling

Six Wheel Disc Brakes  
ZF Variable Ratio Steering  
**Tag Axle Unloading System**

## Chassis

DANA Hypoid Axle Type G171  
Rear End Ratio 5.58:1  
Tilt & Telescopic Steering Wheel  
Rapid Rear Raise System  
Electric Leveling Control w/ Overload Notification  
**Full Coach Raise & Lowering**

## Body Construction

Stainless Steel Chassis, Windshield & Side Window Frames  
Electrically Welded Single Piece "Monocoque" Structure  
One Piece Galvanized Steel Side Walls  
Two Piece Windshield  
Double Pane Seamless Side Glass  
One Piece Aircraft-Quality Aluminum Roof  
Aluminum Pantograph Baggage Bay Doors  
Energy Absorbing Bumpers

## Electrical & Lighting

LED Headlights & Daytime Running Lights  
LED Side Marker Lamps w/ Integrated Turn Signal Function  
LED Interior Ceiling Aisle Lights  
LED Stop & Tail Lights  
Front Side Cornering Lights  
High Mount LED Brake Light  
Easily Serviceable Tail Lights  
Automatic Entrance Lighting  
Full Multiplex System  
Battery Equalizer  
Keyless Ignition Switch  
Curb Side Lighting  
**Road Side Lighting**  
**110V Tamper-Resistant AC Receptacles, with or without USB**

## Climate Control

Integrated HVAC System  
GAE Bock HGX34-380P-2A Compressor  
134a Refrigerant  
Variable Speed Brushless Evaporator Motors  
Two Speed Brushless Condenser Motors  
Modulating Heating Control Valves

## Wheelchair Lift

Rear Position Wheelchair Lift Ready w/ Two Tie-Down Positions  
Passenger Chime Buttons for ADA Seats  
**Braun NL-501**

## Tires & Wheels

Alcoa Dura Bright Aluminum Wheels (9)  
315/80 R22.5 Goodyear Marathon LHS II + HL  
**Steel Wheels (9)**

## Other Equipment

Remote-Control & Heated Black Mirrors  
HDMI Type E Audio System w/ PA & Two Microphones  
Touchscreen Radio w/ DVD Player & Back-up Camera Display  
**Global Positioning System**  
**Additional Overhead Monitors**  
**Enhanced Sound System**  
**Wireless Microphone**  
**Custom Paint**  
**Custom Vinyl Graphics Installation**  
**Destination Sign**  
**Satellite TV System**  
**Side View Cameras**  
**360° Exterior View Camera**  
**Interior Security Cameras**  
**WiFi**  
**Chrome Mirrors**  
**RECON (Readiness for Emergency CONditions) Package**

## Interior

56 Kiel 1020 Seats w/ Footrest & 3-Pt Seatbelts  
**Kiel 2025 or 1030 Seats**  
**Up to 60 Passengers Seating**  
**Amaya A-220, GT, or Sigma Seats w/ Footrest & 3-Pt Seatbelts**  
**ISRI 6800/348 Adjustable Driver Seat (Pneumatic) w/ 3-Pt Seat Belt**  
**ISRI 6832 Driver Seat w/ Integrated 3-Pt Seat Belt**  
Robust Modular Entry Stairwell  
Elongated Driver's Compartment  
Driver's Right Hand Console w/ Grab Rail  
Two Left Hand Driver Cup Holders  
Modesty Panel w/ Enhanced Ergonomics  
Map Light  
Luxury Low-Maintenance Trim  
Soft Touch and Textured Finishes  
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  
Side Entry Flushing Toilet  
Driver's Glare Shield  
Rear Window  
**Passenger Side Window Shades**  
**Enclosed Parcel Racks w/ Enhanced Endcap Design**  
**Modified Contoured Parcel Racks w/ Enhanced Endcap Design**  
**Contoured Parcel Racks w/ Enhanced Endcap Design**  
**Magazine Nets**  
**Cup Holders**  
**Seat Back Tray Tables**  
**Card Tables**

## EXTENSIVE STANDARD SAFETY PACKAGE

Rollover in Accordance with UN/ECE – Reg. No.66  
FMVSS 210 Seating w/ 3-Point Seat Belts  
3-Point Driver's Seat Belt  
Antilock Braking System (ABS)  
Automatic Traction Control (ATC)  
Daytime Running Lights (DRL)  
Electronic Stability Control (ESC)  
Fire Suppression System  
Tire Pressure Monitoring System (TPMS)  
Lane Departure Warning System (LDW)  
Static Aiming Light System  
Backup Camera with In-Dash Display  
Roof Hatches  
Integrated Emergency Evacuation Kit

Options in Red