BLUE BIRD®

ELECTRIC POWERED COMMERCIAL CHASSIS

140kWh Li-ION Battery Pack

Batteries are mounted inside the frame rails providing superior battery protection as compared to systems that mount their batteries underneath and/or to the outside of the chassis rails.

Industry-best 55 Degree Wheel Cut

Industry-best 55 degree wheel cut for steering on tight streets and loading docks with limited maneuvering area

Purpose Built Class 6 Chassis

Our chassis is designed to be universally compatible with all existing utility body providers

System will perform health checks based on system parameters and will activate preconditioning prompted by application demand or customer programming.

Up To 130 Mile Range

DC Level 3 Charging Capable up to 124kw

50,000 PSI Standard Steel Frame

Over-the-Air System Software Updates

GVWR of up to 23,000 pounds

For last mile delivery applications, our chassis is designed to be universally compatible with all existing utility body providers

Learn more at blue-bird.com

ELECTRIC POWERED COMMERCIAL CHASSIS
Specifications

Main Frame
9" OS high, 3" OS flanges, 0.25" thick

50,000 PSI standard steel frame

E-coated frame rails

Front and rear over hang to match industry standards and to accommodate existing body designs

Front Axle
Hendrickson 8,000 pound, fabricated box beam style axle

Lighter than forged I-Beam style axles mean more cargo carrying capacity

Box shaped cross section is stiffer in horizontal and vertical twisting than I-beams. No sway bars needed.

Continuous, smooth beam structure minimizes stress points for extra durability

Industry-standard I80 spindle with oil bath wheel ends

Capable of an industry-best 55 degree wheel cut with 8,000 pound axle and 245 tires

Axle has a track of 78.5" and is up to 88" wide with 245 tires and 5.5" offset wheels to prevent tires from protruding outside of the sheet metal of the body while maintaining maximum stability

Front Suspension
Steel leaf springs with double acting shock absorbers

Suspension tuned with axle for weight savings and ride comfort

Rear Axle
Conventional drive axle with direct drive electric motor connected with drive shaft

15,000 pound rating

Performance will easily match that of internal combustion engines

Optimized performance while maintaining a practical range

Utilizes a two-part parking system; cable actuated axle mounted drum brake and an electric disc brake

Dana eS9000r e-axle parking system in development

Rear Suspension
Steel leaf springs with double acting shock absorbers rated at 16,000 lbs

Other suspensions can be discussed to meet individual customer needs

Hydraulic Brakes
Bosch 66mm brake caliper

15" diameter rotors

Bumpers
Body manufacturer will provide front and rear bumpers

Instrument Cluster
Digital Cluster with menu options

Steering
Douglas Autotec Steering Column

18" diameter steering wheel

EV Power Train
140 kWh Li-ION Battery Pack; LFP Batteries

TM4 Direct Drive Motor

DC/DC Converter

Power Steering

Battery Thermal Management System

CCS1 Level 3 DCFC charging up to 124kW*

Level 2 AC charging up to 19.2kw

Radiator cooler pack

12VDC batteries (3)

Range: up to 130 miles

Telematics available

Wheels
Hub piloted, 8 stud disc wheels, single front, dual rear

Wheel Base
Wheel base of 178" to fit current Morgan Olson body

Tires
Initial tire size to be offered; 245/70R19.5; Goodyear Load Range H

**dependent on the output of the charger and other environmental conditions*

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