

INTRODUCING

**FRONTRUNNER**™

*The End of Ordinary*

by New England Wheels



***The Ultimate Kneeling Bus with  
Maximum Fuel Economy!***



*The Future of Commercial Transportation*



Call (866) Bus Sale for more information or to schedule a test drive.  
287-7253





European inspired design challenges the typical American bus, offering exceptional passenger entry convenience, quiet rattle-free ride, outstanding visibility, attractive appearance, low maintenance costs, and best in class fuel economy.

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Breakaway From Ordinary  
Separate Yourself From The Pack







Flat floor offers wheelchair occupants the comfort, security and convenience unavailable in a typical theater seating design. Light-weight fold-out ramp exceeds the proposed ADA 1:6 standard and offers what no other traditional wheelchair lift can—space savings and reliability.

Smart air-suspension, available on every FrontRunner, communicates with the vehicle's on-board body computer to self-level, even lowering the vehicle's nose at highway speeds for improved aerodynamics and fuel efficiency.

Front-wheel drive offers the security of better traction in inclement weather and a better turning radius than a comparably sized rear wheel drive mini-bus.

With room for 15 passengers and up to 3 wheelchairs (8 passengers with 3 wheelchairs) the FrontRunner does not require a commercial driver's license (CDL). Low step-in height in the kneeling position of 9.75" bests the competition by almost 20%.



## Chassis & Body Structure

Engine - 3.6L Pentastar V6 Transmission

Transmission - 6-Speed Automatic Transmission

OEM Cutaway - RAM 3500 Promaster Cutaway

GVWR - 9,350 lbs.

Lowered Floor - N.E.W Proprietary

Domex Steel Proprietary Lowered Floor chassis provides 3x the yield strength of traditional steel structures.

MicroZINQ® coating for superior corrosion resistance equivalent to ISO 1461 standard.

Bus structure covered under US Patent # 9,302709 B1 other Patents pending

## Bus Structure

Patented Advanced Composite Design (other Patents Pending)

Warranty OEM - 3 years 36,000 miles

Warranty Bus structure - 3 years 50,000 miles

## Technical Specifications

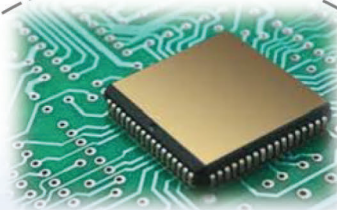
- » Wheelbase - 179.8"
- » Ride Height - 12.8"
- » Step-In Height (Kneeled Position) - 9.75"
- » Overall Length - 22' 8"
- » Overall Width - 93.2"
- » Lightweight gas spring assist fold-out aluminum ramp 34" x 60"
- » Overall Height (Excluding A/C Unit) - 102.3"
- » Interior Width - 89.6"
- » Interior Height - 87.8"/79.4"
- » Clear Door Opening - 41.5" 1.5 million cycle tested
- » Aisle Width - 20" (without seat arm rests)
- » Angle of Approach - 18.6°
- » Angle of Departure - 12.8°
- » Breakover Angle 11.25°
- » Uniform Ground Clearance 9.25"
- » Meets All Applicable FMVSS Requirements



# FRONTRUNNER™ ELECTRONIC CONTROLLED AIR SUSPENSION SYSTEM (ECAS) WITH OptiRide™



Highly durable in cold climates. Air drying system tested in extreme weather conditions, from -22°F to +158°F.



System computer continuously monitors vehicle height on each axle.

As more passengers enter the vehicle the system adjusts the ride automatically.



Aerodynamically lowers the vehicle at highway speed for improved Ride performance and fuel efficiency. Enables fuel saving of up to 5 % and Highway Mileage of up to 18 mpg.



Kneeling system can be calibrated & remotely diagnosed using Bluetooth/WIFI from a remote location.



100% duty cycle electric compressor IP67 Certified.

Fully protected against dust and water immersion of up to 3 Feet.



Rapid lifting and lowering of bus, automatically recovers the vehicle height at a speed of 5 mph with no required driver interaction.

# FRONTRUNNER™ FULLY ELECTRIC, DUAL LEAF, PLUG-RAPID SLIDING DOOR



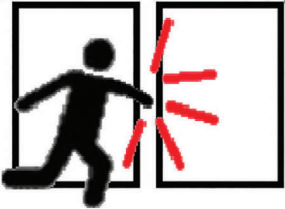
for performance and safety.



Best in class clear opening of 41.5" for faster passenger boarding.



LED lit- touch button for easy door opening from the outside.



Obstruction detection during closing automatically reverses door for passenger safety.



Speed obstruction detection and safety stop for pedestrian safety.



Plug Door provides wind noise and rattle free ride.



Plug Door provides superior water tight seal.



# FRONTRUNNER™ CHASSIS EXCLUSIVE FEATURES



**X-LOW**

In Technical collaboration with Coxx mobile systems, New England Wheels has developed a proprietary low floor bus chassis on the Promaster platform for the U.S. market.



Patented Lightweight bus technology

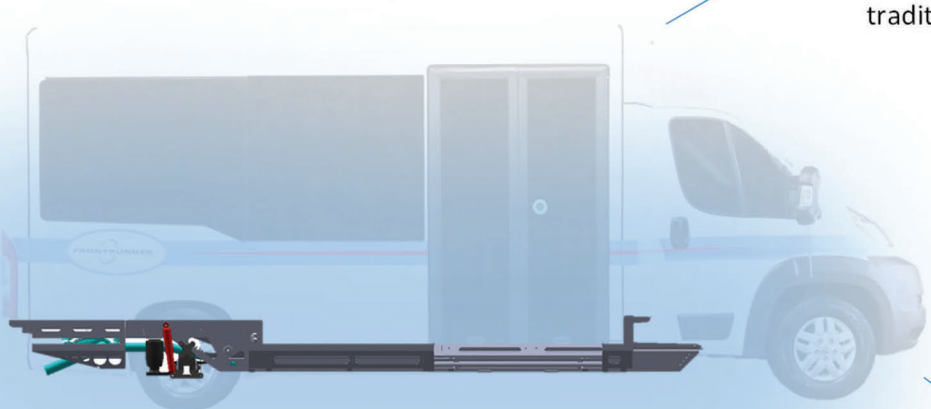


The X-low chassis is built with high yield strength steel of 101,500 PSI compared to traditional steel of 32,000 PSI.

Proud recipient of



MKB Innovatie Top 100



**OptiRide™**

Certified by Meritor Wabco  
The Computerized calibration of suspension airbags provides unmatched comfort and reliability.

All steel parts are coated with microZINQ (Equivalent to ISO 1461) for superior rust proofing and long term durability.



Deutscher Rohstoffeffizienz-Preis



# FRONTRUNNERTM GAS ASSIST – LIGHT WEIGHT MANUAL WHEEL CHAIR RAMP

1:6 slope ratio.  
Exceeds ADA  
requirement  
of 1:4.



lightweight

Built with high strength Aluminum extrusions, anodized for heavy duty commercial use. Rated at 1,000 lbs weight capacity.



All mechanical parts  
provide long term  
durability & maintenance  
free operation.



Flat bus floor at entry  
ensures safe and  
easy boarding.




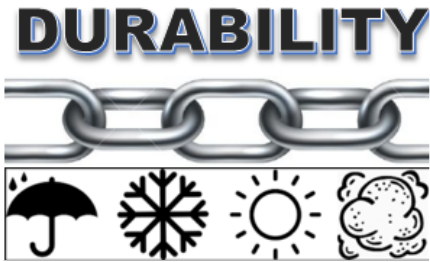


Gas spring  
assist  
provides  
low effort  
for opening  
and closing  
the ramp.



Triangular indentations provide  
excellent slip resistance.  
Holes in the ramp allow  
moisture to drain.

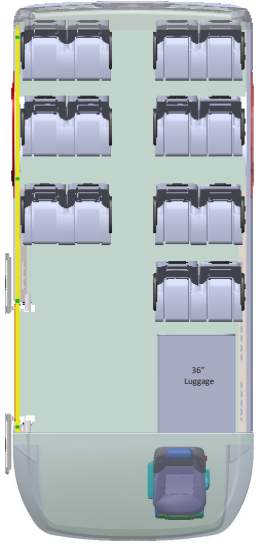


# FRONTRUNNER™ COMPARED TO COMPETITION

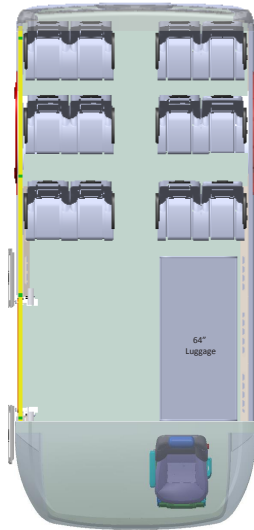
	FEATURES	FRONTRUNNER™	COMPETITION
	Step-in height after kneeling Wheel chair Ramp Ratio Interior Height at center aisle Clear door opening with handles Clear door height Window Size and Visibility	9.75" 1:6 87.8" 41.3" 76.3" Large	11.3" 1:5 83.8" 35" 75.4" Small
	High strength steel chassis of 105,000 PSI Hot dip galvanized chassis Sidewall Structure Door Type Composite floorboard panels-weatherproof	STANDARD STANDARD FRP Composite Plug Sliding STANDARD	N/A N/A Steel Folding N/A
	Pressure activated sensitive edge on door Lowest point between axles Ground Clearance at center Floor at Door Entry Interior floor surface	STANDARD 7.5" 9.3" FLAT FLAT	N/A 6" 8" SLOPED SLOPED
	High speed suspension aerodynamics Tail light Assembly integrated into body style FRP-Composite light weight bumper Roof Structure	STANDARD STANDARD STANDARD High Strength Aluminum	N/A N/A N/A Steel

# Seating Plans

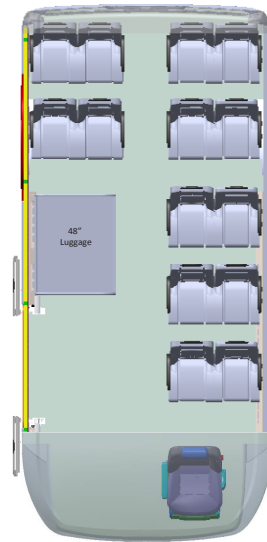
## SHUTTLE



140L

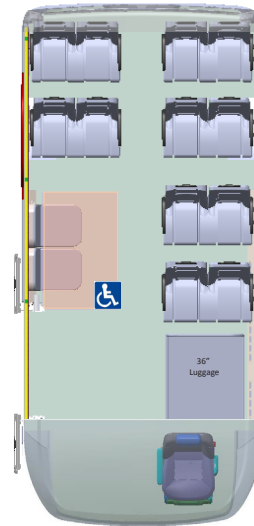


120L



140ML

## SHUTTLE & MOBILITY

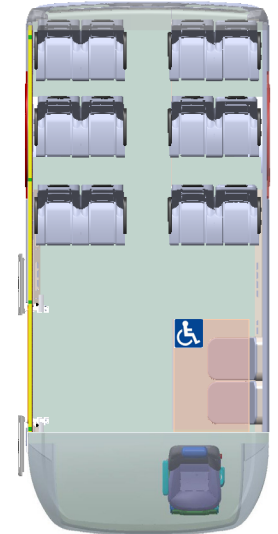


121L



101XL

## MOBILITY



121

Authorized Dealer:

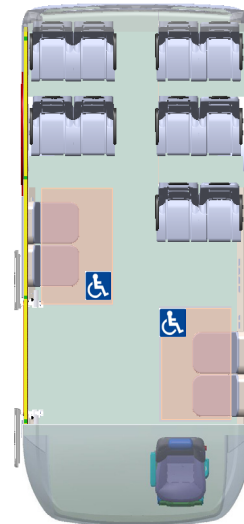


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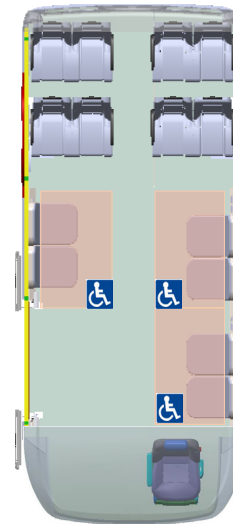
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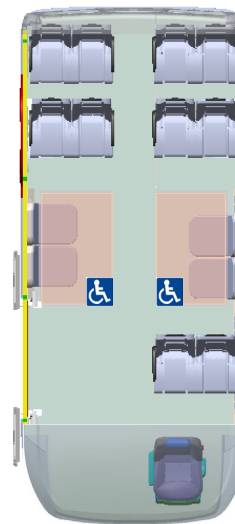
## MOBILITY



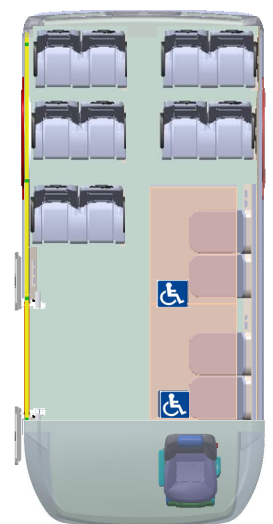
102



083



102B



102C