

INTRODUCING

FRONTRUNNER™

The End of Ordinary

by New England Wheels

NEXT GENERATION LOWERED
FLOOR MINIBUS



The Future of Commercial Transportation





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.



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, standard 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

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.

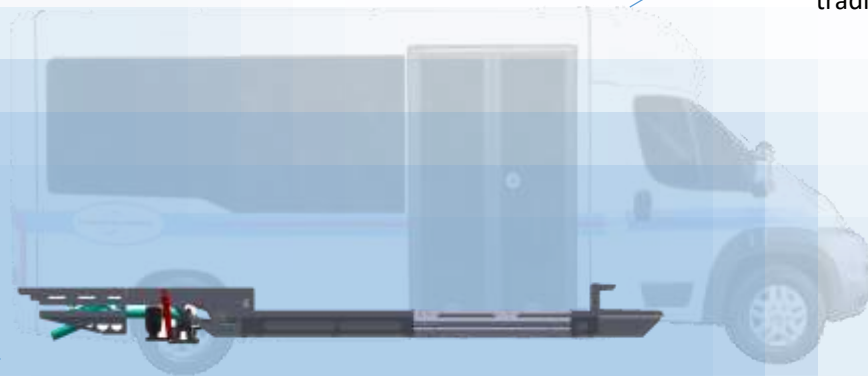


Patented Lightweight bus technology



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



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



Industriepreis



Materialica Best-of-Award



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 600lbs weight
capacity.



Flat bus floor at entry
ensures safe and
easy boarding.



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







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.

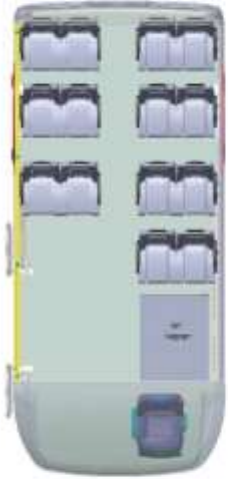
FRONTRUNNER™ COMPARED TO COMPETITION

	FEATURES	FRONTRUNNER™		COMPETITION
	Step-in height after kneeling	9.75"	✓	11.3"
	Wheel chair Ramp Ratio	1:6	✓	1:5
	Interior Height at center aisle	87.84"	✓	83.8"
	Clear door opening with handles	41.3"	✓	35"
	Clear door height	76.25"	✓	75.4"
	Window Size and Visibility	Large	✓	Small
	High strength steel chassis of 105,000 PSI	STANDARD	✓	N/A
	Hot dip galvanized chassis	STANDARD	✓	N/A
	Sidewall Structure	FRP Composite	✓	Steel
	Door Type	Plug Sliding	✓	Folding
	Composite floorboard panels	STANDARD	✓	N/A
	Pressure activated sensitive edge on door	STANDARD	✓	N/A
	Lowest point between axles	7.5"	✓	6"
	Ground Clearance at center	9.25"	✓	8"
	Floor at Door Entry	FLAT	✓	SLOPED
	Interior floor surface	FLAT	✓	SLOPED
	High speed suspension aerodynamics	STANDARD	✓	N/A
	Tail light Assembly integrated into body style	STANDARD	✓	N/A
	FRP-Composite light weight bumper	STANDARD	✓	N/A
	Roof Structure	High Strength Aluminum	✓	Steel

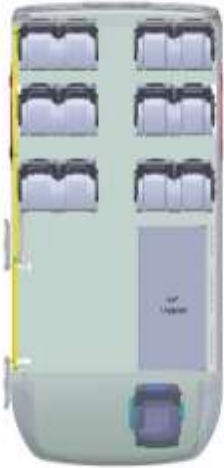
EFFICIENCY

Seating Plans

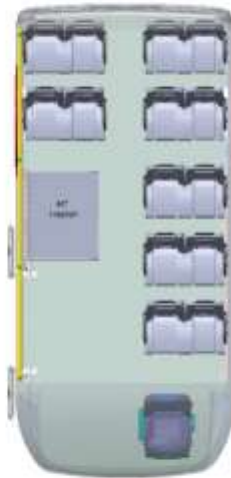
SHUTTLE



140L



120L



140ML

SHUTTLE & MOBILITY



121L



101XL

MOBILITY



121

Authorized Dealer:

MOBILITY



102



083



102B



102C

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