NEW FLYER XCELSIOR®

NEW FLYER

Powered any way YOU WANT.

DIESEL | CNG | HYBRID | TROLLEY | ELECTRIC

Since its introduction in 2008, New Flyer has built or have on order more than 5,000 Xcelsior® buses – in 35', 40' and 60' lengths and with a variety of propulsion systems. Our objectives were to deliver life-cycle savings and improve the experience for passengers, drivers and mechanics - and we've done just that. With better fuel economy, lighter weight, disc brakes and the industry's first LED headlights combined with New Flyer's legendary product reliability and the industry's most comprehensive aftermarket parts and services, Xcelsior® can give you the Best Bus Value and Support for Life.

LIFECYCLE COST SAVINGS

FUEL ECONOMY

Xcelsior® has shown an improvement in fuel economy of up to 8%. This is a direct result of the reduced vehicle weight: Xcelsior® weighs 8% less than previous models and also had the lowest curb weight at Altoona among similar buses.

In addition, with the implementation of the New Flyer Connect® telematics solution, additional fuel savings of up to 11% on average* can be achieved by continuously improving driver performance, fostering efficient driving skills, monitoring of subcomponents performance and control of idle times.

* based on case studies conducted on buses in Europe and the UK by New Flyer's technology partner.

** based on case studies conducted on light and heavy trucks in Europe and the UK by New Flyer's technology partner.

ADDITION OF XE40

New Flyer's battery-electric Xcelsior® platform will save you up to $400,000 in fuel costs over the 12-year life of the bus.

TIRES

We anticipate tires on Xcelsior® buses to last longer due to the reduction in weight and better weight distribution. A 1% reduction in weight can result in a 2% increase in tire mileage which means fewer operating dollars spent on tire replacement.

DISC BRAKES

Transitioning to disc brakes will save you money over the life of the bus. Disc brakes are easier and less expensive to maintain and service.

MAINTENANCE

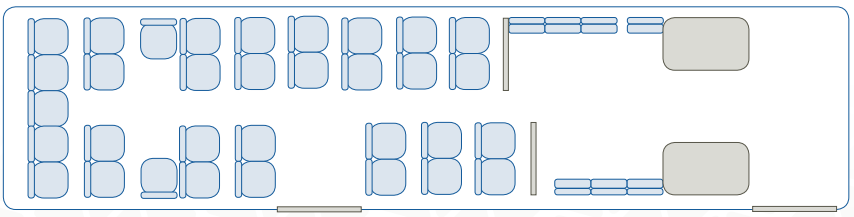
The New Flyer Connect® telematics system can enable you to achieve maintenance cost savings of up to 26% on average** through improved subsystem diagnostics, proactive maintenance opportunities, reduced wear costs, and improved support from OEM and subsystems suppliers.

HEADLIGHTS

New Flyer LED headlights have a six-year warranty and are designed to last 12 years.

XCELSIOR® IS BETTER

- *Fiberglass exterior panels that are corrosion-free and have been intelligently designed to provide easier access to components.*
- *Best-in-class 1:7 ramp ratio and best-in-class 14" step (10" kneeled).*
- *Industry's first standard automotive-style electronic instrument panel.*
- *Seating for up to 40 passengers.*
- *Industry's only large, tinted skylight with roof hatches for more natural light (available as an option).*



Standard Xcelsior® 40' seating layout.

Built to NEW FLYER RELY ON.

NEW FLYER XCELSIOR®

NEW FLYER

Manufacturing Facilities
Winnipeg, MB
Crookston, MN
St. Cloud, MN
Anniston, AL

Parts Distribution Centers
Winnipeg, MB
Brampton, ON
Hebron, KY
Fresno, CA

Bus Fabrication
Winnipeg, MB
Elkhart, IN

Service Center
Arnprior, ON
Ontario, CA

www.newflyer.com

	35′	40′	60′
MEASUREMENTS			
Length	36′ - 3″ (11.05m) over bumpers; 35′ - 5″ (10.80m) over body	41′ - 0″ (12.50m) over bumpers; 40′ - 2″ (12.24m) over body	60′ - 10″ (18.54m) over bumpers; 60′ - 0″ (18.29m) over body
Roof Height (Diesel, Hybrid, CNG, Electric)	126″ (3.2m) over A/C; 130″ (3.3m) over hybrid cooling fans; 133″ (3.38m) over CNG roof enclosures	126″ (3.2m) over A/C; 130″ (3.3m) over hybrid cooling fans; 133″ (3.38m) over CNG roof enclosures; 130″ (3.3m)	126″ (3.2m) over A/C; 130″ (3.3m) over hybrid cooling fans; 133″ (3.38m) over CNG roof enclosures
Step Height	14″ (356mm)	14″ (356mm)	14″ (356mm)
Front step height/kneeled	10″ (254mm)	10″ (254mm)	10″ (254mm)
Interior height - floor to ceiling	79″ (2m) over front and rear axle; 95″ (2.4m) mid-coach	79″ (2m) over front and rear axle; 95″ (2.4m) mid-coach	79″ (2m) over front and rear axle; 91″ (2.3m) mid-coach
Tire Size	305/70R22.5	305/70R22.5	305/70R22.5
Aisle Width	22″ to 24″ (559mm to 610mm) (varies with seat model)	22″ to 24″ (559mm to 610mm) (varies with seat model)	22″ to 24″ (559mm to 610mm) (varies with seat model)
Wheel Base	226.75″ (5.8m)	283.75″ (7.2m)	229″ (5.8m) front / 293″ (7.4m) rear
PROPULSION			
Transmission	Allison; Voith and ZF options available	Allison; Voith and ZF options available	Allison; Voith and ZF options available
Hybrid	Allison hybrid drive; BAE HybriDrive®	Allison hybrid drive; BAE HybriDrive®	Allison hybrid drive; BAE HybriDrive®
Engine Options	Cummins ISL 280 / Option - Cummins ISB280 (Hybrid) / ISL-G 280 (CNG)	Cummins ISL 280 / Option - Cummins ISB280 and ISL 330 (Hybrid) / ISL-G 280 (CNG) / Siemens ELFA2 Electric Drive System (Electric)	Cummins ISL 330 / Option - Cummins ISL 330 (Hybrid) / ISL-G 320 (CNG)
CAPACITY			
Seats (with wheelchair barrier protection)	Up to 32	Up to 40	Up to 63
Standees	Up to 33	Up to 43	Up to 64
ACCESSIBILITY			
Number of Doors	2	2	2 or 3 (option for up to 5 doors)
Wheelchair Accessibility	32″ (813mm) wide, 1:7 slope. Flip out NFIL ramp, front door	32″ (813mm) wide, 1:7 slope. Flip out NFIL ramp, front door	32″ (813mm) wide, 1:7 slope. Flip out NFIL ramp, front door
Wheelchair Locations	2 - front location, rear location also available (other options available)	2 - front location rear location also available (other options available)	2 - front location rear location also available (other options available such as bridge plates)
WEIGHT			
Curb Weight diesel/ hybrid/CNG/electric	Approx. 24,500/27,000/27,000 lb (11,113/12,247/12,247 kg) (varies with customer options)	Approx. 26,000/28,500/28,500/31,000 lb (11,793/12,927/12,927 /14,061 kg) (varies with customer options)	Approx. 39,000/42,000/43,000 lb (17,690/19,051/19,504 kg) (varies with customer options)
CLEARANCES			
Approach/departure/ breakover angles	9°/9°/12°	9°/9°/9°	9°/9°/12° (front) 9° (back)
TURNING RADIUS			
Turning radius (body, with aluminum wheels)	39′ (11.9m) (varies with wheel type)	44′ (13.4m) (varies with wheel type)	44′ (13.4m) (varies with wheel type)
MAIN COMPONENTS			
Floor	Composite at rear interior step, ACQ Plywood remainder (dB Ply used on upper deck). Tarabus, Altro, RCA	Composite at rear interior step, ACQ Plywood remainder (dB Ply used on upper deck). Tarabus, Altro, RCA	Composite at rear interior step and over center axle, ACQ Plywood remainder (dB Ply used on upper deck). Tarabus, Altro, RCA
Electrical System	Parker Vansco	Parker Vansco	Parker Vansco
Cooling System	Electric cooling fans	Electric cooling fans	Electric cooling fans
Fuel Tank	Polyethylene fuel tanks: 100 US gallon (379 L) (Hybrid) 125 (473 L) US gallon (Diesel); stainless steel tanks available	Polyethylene fuel tanks: 100 US gallon (379 L) (Hybrid); 125 (473 L) US gallon (Diesel); stainless steel tanks available	Polyethylene fuel tanks: 100 US gallon (379 L) (Hybrid); 125 (473 L) US gallon (Diesel); stainless steel tanks available
HVAC	Thermo King RLF Series System (A/C and heat or heat only) for Diesel & Hybrid, Thermo King T Series for CNG; MCC available as an option	Thermo King RLF Series System (A/C and heat or heat only) for Diesel & Hybrid, Thermo King T Series for CNG; Thermo King TE15 (cabin) (Electric); MCC available as an option	Thermo King Dual RLF Series System (A/C and heat or heat only) for Diesel & Hybrid, Thermo King RLF front unit and T Series evaporator rear unit for CNG; MCC as an available option
Axles	MAN VOK 07 front disc brakes MAN HY-1350 rear disc brakes, single reduction axle	MAN VOK 07 front disc brakes MAN HY-1350 rear disc brakes, single reduction axle	MAN VOK 07 front disc brakes ZF AVN 132 center disc brake MAN HY-1350 rear disc brakes, single reduction axle (All with common disc brakes)
Interior Lighting System	New Flyer Genuine Lighting System	New Flyer Genuine Lighting System	New Flyer Genuine Lighting System

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