NEW FLYER

Xcelsior



newflyer.com/xcelsior



PHOTO BY LARRY M LEVINE





HYBRID
COMPRESSED NATURAL GAS
CLEAN DIESEL

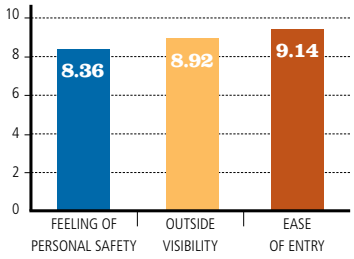
→ 35'
→ 40'
→ 60'

BETTER BY DESIGN

The numbers tell us that Xcelsior exceeds expectations. The data from passenger surveys, feedback from drivers and testing at Altoona all say the same thing – that we've built a better bus. Since its introduction in 2008, we have built or have on order more than 1600 Xcelsiors – 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 and drivers. Better fuel economy, lighter weight, disc brakes and the industry's first LED headlights make this a better bus by far. Looks like Xcelsior really is better by design.

EXCELLENCE RATING



XCELSIOR IS JUST BETTER

5.88
MILES PER GALLON
*BEST FUEL ECONOMY RECORDED AT ALTOONA

INDUSTRY'S ONLY
LED HEADLIGHTS including best-in-class | 6YR WARRANTY
DESIGNED TO LAST 12 YEARS. SAVINGS OF OVER $6,000 OVER THE LIFE OF THE BUS.

72 dBA
*LOWEST IN-CLASS INTERIOR NOISE RECORDED AT ALTOONA TEST TRACK

BATTERY RELOCATION EXTENDS LIFE

transitioning to
DISC BRAKES SAVES ABOUT
$13,000
over the life of the bus.

2% PER CENT

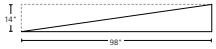
5% PER CENT
A FIVE PERCENT REDUCTION IN WEIGHT CAN RESULT IN A TWO PER CENT INCREASE IN TIRE MILEAGE WHICH MEANS FEWER OPERATING DOLLARS SPENT ON TIRE REPLACEMENT.



8.5 out of 10
OVERALL IMPRESSION RATED BY PASSENGERS

FIBERGLASS EXTERIOR PANELS

best-in-class
RAMP RATIO
1:7



- EASIER MAINTENANCE
- FASTER ACCESS TO COMPONENTS
- CORROSION-FREE

40% PER CENT
IMPROVEMENT IN FUEL ECONOMY WHEN COMPARED TO A SIMILAR BUS ON THE SAME ROUTE.

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Xcelsior

NEW FLYER

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	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	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	126″ (3.2m) over A/C; 130″ (3.3m) over hybrid cooling fans; 133″ (3.38m) over CNG roof enclosures
Step Height	14″ (356mm) with 305 tires	14″ (356mm) with 305 tires	14″ (356mm) with 305 tires
Front step height/kneeled	10″ (254mm) with 305 tires	10″ (254mm) with 305 tires	10″ (254mm) with 305 tires
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); 19″ to 22″ (482.6mm to 559mm) between wheelchair fixed barriers (varies with seat model)	22″ to 24″ (559mm to 610mm) (varies with seat model); 19″ to 22″ (482.6mm to 559mm) between wheelchair fixed barriers (varies with seat model)	22″ to 24″ (559mm to 610mm) (varies with seat model); 19″ to 22″ (482.6mm to 559mm) between wheelchair fixed barriers (varies with seat model)
Wheel Base	226.75″ (5.8m)	283.75″ (7.2m)	229″ (5.8m) front / 293″ (7.4m) rear
PROPULSION			
Transmission/hybrid drive	Allison B400; Voith and ZF options available	Allison B400; Voith and ZF options available	Allison B400; Voith and ZF options available
Hybrid drive	Allison EP 40 hybrid drive; BAE HybriDrive®	Allison EP 40 hybrid drive; BAE HybriDrive®	Allison EP 40 hybrid drive; BAE HybriDrive®
Engine Options	Cummins ISL 280 / Option - Cummins ISB280 (Hybrid) / ISL-G 280 (CNG)	Cummins ISL 280 / Option - Cummins ISB280 (Hybrid) / ISL-G 280 (CNG)	Cummins ISL 330 / Option - Cummins ISL 330 (Hybrid) / ISL-G 320 (CNG)
CAPACITY			
Seats	Up to 34	Up to 42	Up to 59
Standees	Up to 33	Up to 43	Up to 57
ACCESSIBILITY			
Number of Doors	2	2	2 or 3
Wheelchair Accessibility	660lb (299kg), 32″ (813mm) wide, 1:7 slope. Flip out NFIL ramp, front door	660lb (299kg), 32″ (813mm) wide, 1:7 slope. Flip out NFIL ramp, front door	660lb (299kg), 32″ (813mm) wide, 1:7 slope. Flip out NFIL ramp, front door
Wheelchair Locations	2 - front location (other options available)	2 - front location (other options available)	2 - front location (other options available)
WEIGHT			
Curb Weight diesel/ hybrid/CNG	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 lb (11,793/12,927/12,927 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)	44′ (13.4m)	44′ (13.4m)
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	Vansco multiplex with integrated dash instrument panel	Vansco multiplex with integrated dash instrument panel	Vansco multiplex with integrated dash instrument panel
Cooling System	Hydraulic fan drive / electric cooling fans optional	Hydraulic fan drive / electric cooling fans optional	Hydraulic fan drive / electric cooling fans optional
Fuel Tank	100 US gallon (379 L) recommended; 125 (473 L) US gallon available	100 US gallon (379 L) recommended; 125 (473 L) US gallon available	100 US gallon (379 L) recommended; 125 (473 L) US gallon available
HVAC	Thermo King RLF1 (A/C and heat or heat only) for Diesel & Hybrid, Thermo King T-14 for CNG	Thermo King RLF1 (A/C and heat or heat only) for Diesel & Hybrid, Thermo King T-14 for CNG	Thermo King Dual RLF (A/C and heat or heat only) for Diesel & Hybrid, Thermo King RLF front unit and T-15 evaporator rear unit for CNG
Axles	MAN VOK 07 front disc brakes MAN HY-1336 rear disc brakes, single reduction axle	MAN VOK 07 front disc brakes MAN HY-1336 rear disc brakes, single reduction axle	MAN VOK 07 front disc brakes ZF AVN 132 center dis brake MAN HY-1350 rear disc brakes, single reduction axle (All with common disc brakes)

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