New Flyer has been leading innovation in mobility for 90 years, and today supports growing North American cities with sustainable buses, technology, and infrastructure.

xcelsior.
Battery-Electric | Fuel-Cell Electric | CNG
Hybrid-Electric | Clean Diesel | Trolley-Electric

Smart mobility solutions.

Available in 3 lengths.

35' 40' 60'
Best-in-class features.

**Enhanced Safety & Accessability.**

SmartRider™ enables kneeling to variable heights and minimizes the slope difference between a low-floor ramp and the bus floor. SmartRider™ ramp achieves a 1:6 slope ratio with a self-leveling feature.

<table>
<thead>
<tr>
<th>Passenger Capacity</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industry-leading passenger carrying capacity.</td>
<td>Weighs 8% less than previous models achieved through structure optimization and lighterweight supplier components, leading to improved efficiency and lower operating costs.</td>
</tr>
<tr>
<td><strong>35' Xcelsior®</strong></td>
<td></td>
</tr>
<tr>
<td>Seated</td>
<td>32 people</td>
</tr>
<tr>
<td>Standees</td>
<td>33 people</td>
</tr>
<tr>
<td><strong>40' Xcelsior®</strong></td>
<td></td>
</tr>
<tr>
<td>Seated</td>
<td>40 people</td>
</tr>
<tr>
<td>Standees</td>
<td>43 people</td>
</tr>
<tr>
<td><strong>60' Xcelsior®</strong></td>
<td></td>
</tr>
<tr>
<td>Seated</td>
<td>61 people</td>
</tr>
<tr>
<td>Standees</td>
<td>62 people</td>
</tr>
</tbody>
</table>

**Low and Zero-Emission Options**

Battery-electric buses can save you up to $400,000 in fuel costs over its 12-year life.

Hydrogen fuel cell provides long-range operations with a fully zero-emission solution.

CNG buses emit virtually no visible particulate matter or black soot.

Clean diesel technology reduces particulate emissions by 90% and NOx emissions by 95%.

**BRT Options**

Customize to suit your BRT needs:

- Street-side exit doors
- Wider doors
- Bridge plates or ramps
- Interior & exterior bike racks
- Preferred seating layouts
- Integrated roof line for hybrid and CNG without added weight & cost
- No visible fasteners
- Flush windows

Visit newflyer.com/xcelsior to learn more.
<table>
<thead>
<tr>
<th>Measurements</th>
<th>35'</th>
<th>40'</th>
<th>60'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>36’3&quot; (11.05m) Over bumpers; 35’5&quot; (10.80m) Over body</td>
<td>41’0&quot; (12.50m) Over bumpers; 40’2&quot; (12.24m) Over body</td>
<td>60’10” (18.54m) Over bumpers; 60’0” (18.29m) Over body</td>
</tr>
<tr>
<td>Width</td>
<td>102&quot; (2.6m)</td>
<td>102&quot; (2.6m)</td>
<td>102&quot; (2.6m)</td>
</tr>
<tr>
<td>Roof Height</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hybrid</td>
<td>10’6” (3.2m) over A/C</td>
<td>10’6” (3.2m) over A/C</td>
<td>10’6” (3.2m) over A/C</td>
</tr>
<tr>
<td>CNG</td>
<td>11’0” (3.38m) over cooling fans</td>
<td>11’0” (3.38m) over cooling fans</td>
<td>11’0” (3.38m) over cooling fans</td>
</tr>
<tr>
<td>Electric</td>
<td>11’1” (3.38m) over roof enclosures</td>
<td>11’1” (3.38m) over roof enclosures</td>
<td>11’1” (3.38m) over roof enclosures</td>
</tr>
<tr>
<td>Electric</td>
<td>11’1” (3.38m) over charging rails</td>
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<td>11’1” (3.38m) over charging rails</td>
</tr>
<tr>
<td>Step Height</td>
<td>14” (356mm)</td>
<td>14” (356mm)</td>
<td>14” (356mm)</td>
</tr>
<tr>
<td>Front Step Height</td>
<td>10” (254mm)</td>
<td>10” (254mm)</td>
<td>10” (254mm)</td>
</tr>
<tr>
<td>Interior Height</td>
<td>79” (2m) Over front and rear axle; 95” (2.4m) Mid-coach</td>
<td>79” (2m) Over front and rear axle; 95” (2.4m) Mid-coach</td>
<td>79” (2m) Over front and rear axle; 95” (2.4m) Mid-coach</td>
</tr>
<tr>
<td>Tire Size</td>
<td>305/70R22.5</td>
<td>305/70R22.5</td>
<td>305/70R22.5</td>
</tr>
<tr>
<td>Aisle Width</td>
<td>21” to 24” (559mm to 610mm) (varies with seat model)</td>
<td>21” to 24” (559mm to 610mm) (varies with seat model)</td>
<td>22” to 24” (559mm to 610mm) (varies with seat model)</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>226.75” (5.8m)</td>
<td>283.75” (7.2m)</td>
<td>220” (5.8m) Front / 230” (7.4m) rear</td>
</tr>
</tbody>
</table>

### Propulsion

**Transmission**
- Allison; Voith and ZF options available
- Allison hybrid drive, BAE HybridDrive®
- Allison; Voith and ZF options available
- Allison hybrid drive, BAE HybridDrive®

**Engine Options**
- Cummins L9
- Cummins B6.7
- Cummins L9-CNG
- Siemens IDB2016 or IDB2020 Electric Drive System

### Passenger Capacity

**Seats**
- Up to 32
- Up to 40
- Up to 61 (with one exit door)

**Standees**
- Up to 33
- Up to 43
- Up to 62 (with one exit door)

### Accessibility

**Doors**
- 2
- 2 or 3 (option for up to 5 doors)

**Wheelchair Accessibility**
- 32” (813mm) wide, 16 slope NFL or SmartRider™ ramp, front door
- 32” (813mm) wide, 16 slope NFL or SmartRider™ ramp, front door
- 32” (813mm) wide, 16 slope NFL or SmartRider™ 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: 24,500 lb (11,131 kg)
- Hybrid: 27,000 lb (12,247 kg)
- CNG: 27,000 lb (12,247 kg)
- Electric: 29,300 lb (13,290 kg)

**Engine Options**
- Cummins L9
- Siemens IDB2016 or IDB2020 Electric Drive System

### Approach Angle

**Approach/Departure/Breakover Angles**
- 9’13/’12” (363°) Front
- 9’13” (363°) Front
- 9’13/’12” (363°) Front

### Turning Radius

**Turning Radius**
- (Body, with aluminum wheels; *Varies with wheel type*)
- 39” (1.0m)*
- 44” (1.1m)*
- 44” (1.1m)*

### Main Components

**Floor**
- Composite at rear interior step, ACO Plywood remainder (dfl fly used on upper deck), Tarabus, Alto, RCA
- Composite at rear interior step, ACO Plywood remainder (dfl fly used on upper deck), Tarabus, Alto, RCA
- Composite at rear interior step, ACO Plywood remainder (dfl fly used on upper deck), Tarabus, Alto, RCA

**Electrical System**
- Parker Vansco
- Parker Vansco
- Parker Vansco

**Cooling System**
- Electric cooling fans (EMP, Modine)
- Electric cooling fans (EMP, Modine)
- Electric cooling fans (EMP, Modine)

**Fuel Tank**
- Polyethylene fuel tanks: 100 gallon (379 L); 125 gallon (473 L), Stainless steel tanks: 100 gallon (379 L) / 125 gallon (473 L)
- Polyethylene fuel tanks: 100 gallon (379 L); 125 gallon (473 L), Stainless steel tanks: 100 gallon (379 L) / 125 gallon (473 L)
- Polyethylene fuel tanks: 100 gallon (379 L); 125 gallon (473 L), Stainless steel tanks: 100 gallon (379 L) / 125 gallon (473 L)

**HVAC**
- Siemens IDB2016 or IDB2020 Electric Drive System
- Siemens IDB2016 or IDB2020 Electric Drive System
- Siemens IDB2016 or IDB2020 Electric Drive System

**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 AVN132 Center disc brake, MAN HY-1350 Rear disc brakes, ZF AVN132 Center drive axle (electric)