

40' Gillig battery electric bus (BEB)



Starting in 2024, Community Transit will be testing a 40' Gillig battery electric bus (BEB) and a 40' New Flyer fuel cell electric bus (FCEB) in service. This testing phase aims to gather crucial data on aspects such as vehicle range, maintenance requirements, and infrastructure needs. Additionally, it will assist the agency in formulating a long-term plan to transition our entire fleet to zero emissions.

Dimensions

| | |
|-------------------|---|
| Length | 40' |
| Width | 103" (or 8' 11") |
| Height (exterior) | 11' 11" |
| Height (interior) | 6' 5" minimum |
| Step height | 16" normal, 13" kneeling |
| Weight | <ul style="list-style-type: none"> • 35,440 lbs curb weight • 48,200 lbs gross vehicle weight |

Capacity and accessibility

| | |
|--------------|------------------------------------|
| Capacity | 35 seats - 71 total capacity |
| Ramp | 1:6 slope ratio, capacity 1000 lbs |
| Bike storage | 3 bikes - bumper mounted |

Vehicle specifications

| | |
|--------------|--------------------|
| Wheel base | 290.6" |
| Tire size | 315/80R22.5 |
| # of tires | 6 |
| # of windows | 14 plus windshield |
| # of doors | 2 - front and rear |
| Powertrain | Cummins Powertrain |

Energy and charging

| | |
|-----------------|---|
| Energy storage | <ul style="list-style-type: none"> • Six Nickel-Manganese-Cobalt battery packs at 98kWh • 588 kWh total storage |
| Charging system | <ul style="list-style-type: none"> • Charge Point Level 3 charger • InductEV inductive charge pad - 300 kW capacity |

Regenerative braking Yes

40' New Flyer fuel cell electric bus (FCEB)



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Dimensions

| | |
|-------------------|---|
| Length | 40' |
| Width | 102" (or 8' 10") |
| Height (exterior) | 11' 1" |
| Height (interior) | 6' 7" minimum |
| Step height | 14" normal, 10" kneeling |
| Weight | <ul style="list-style-type: none"> • 33,970 lbs curb weight • 43,660 lbs gross vehicle weight |

Capacity and accessibility

| | |
|--------------|------------------------------------|
| Capacity | 40 seats - 82 total capacity |
| Ramp | 1:6 slope ratio, capacity 1000 lbs |
| Bike storage | 3 bikes - bumper mounted |

Vehicle specifications

| | |
|--------------|------------------------|
| Wheel base | 283.75" |
| Tire size | 305/70R22.5 |
| # of tires | 6 |
| # of windows | 10 plus windshield |
| # of doors | 2 - front and rear |
| Powertrain | Siemens Electric Drive |

Energy and charging

Energy storage

- Hydrogen Storage Capacity: 37.5 kg (base)
- Equivalent Battery Energy: 734 kWh (base)
- Net Power 100KW
- Battery 135kWh

Fueling system Gaseous hydrogen trailer

Regenerative braking Yes