

Chart A - Vehicle Configurations

Criteria	Light Duty	Medium Duty	Heavy Duty
			
Approximate cost	\$90 - 95k	\$180 - 200k	\$400-450k
Lifespan - per test criteria	7 year/200,000 mile	10 year/350,000 mile	12 year/500,000 mile
Lifespan - in Orbit service	5 years	9 years	13 years
Length	24.5 ft	30 ft	30 ft
Width	8.3 ft	8.5 ft	8.5 ft
Height	10.5 ft	10.1 ft	11.2 ft
Service proven design	Yes, but typically used for demand response	Limited in transit use	Yes
Life cycle cost - including initial capital assets, replacement capital assets, fuel, and maintenance costs	\$1.43 per mile (gasoline engine)	\$1.62 per mile (diesel engine)	\$1.34 per mile (natural gas engine)
Maneuverability on Orbit routes	No issues noted	No issues noted	No issues noted
Compliant with Federal Transit Administration (FTA) requirements	Yes	Yes	Yes
Neighborhood friendly appearance	Varies; based on individual perception		
Modern, clean appearance	Very basic looking	Bulky looking	Depending on manufacturer; some are more sleek and modern than others
Quiet operation	Low engine noise, but air conditioning is noisy	Moderate engine noise, but air conditioning is noisy	Generally low noise, but loud on acceleration
Low floor	No	Yes	Yes
Large passenger capacity	Approx. 23 passengers (limited by axle rating)	Approx. 35 passengers (limited by suspension system)	Approx. 50 passengers (limited by physical space in vehicle)
Air suspension	No	Yes	Yes
Propulsion System	Gasoline or diesel	Diesel	Diesel, Diesel-Electric Hybrid, Natural Gas
Fare collection provisions	Most likely limited to a manual cash box	Will accept Valley Metro standard farebox	Will accept Valley Metro standard farebox
Destination Signs	Limited to small front sign	Yes	Yes

Note: The vehicles shown above are for demonstration purposes only. Orbit replacement vehicles will be selected through an approved procurement process.