

Morphological Matrix

Subsystem	Option 1	Option 2	Option 3
Propulsion	30% electric hybrid	50% electric hybrid	70% electric hybrid
APU	Fuel powered	Electric	Hybrid
Fuselage Materials	Metal	Composite	Combination
Fineness Ratio/Fuselage shape	Long and slim	More squat	
Number of Props	2	4	More than 4
Wing length	Longer	Shorter	
Winglets	Yes	No	
Swept	Yes	No	
Dihedral	Yes	No	
Lift Distribution	More Elliptical	More Triangular	In between
Environment	Always the same	Changeable by crew	Changeable by passengers
Seating	Minimum space	Maximum space	More than maximum space
Amenities	Galley and full food service to both classes	Galley and partial food service	No galley
Number of Lavs	1	2	3
Lav customization	No customization	Some customization	Maximum customization
Thrust reversers	Yes	No	
Avionics	Legacy	State-of-the-art	Combination of both
Number of doors	1	2	3
Number of landing gear wheels on each side	1	2	