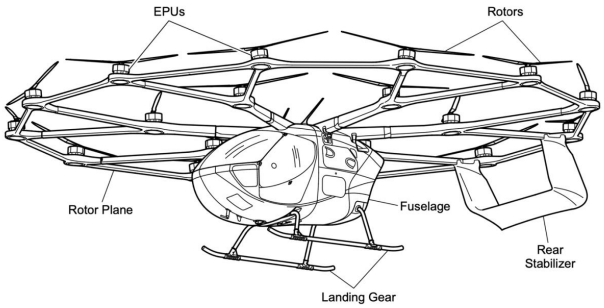
DESIGN SPECIFICATIONS 2024

VOLOCITY

Introducing the VoloCity, Volocopter's electric vertical take-off and landing (eVTOL) aircraft model designed for urban missions. Featuring 18 fixed-pitch rotors, the aircraft is powered by electric propulsion technology ensuring efficient, sustainable, and notably quiet flight in lower airspace.



1 GENERAL

Capacity	2 seats
Aspired Certification	EASA SC-VTOL, category enhanced

2 PERFORMANCE

Max. take-off mass (MTOM)	~ 1,000 kg
Operational range*	~ 20 km
Max. airspeed	54 kn / 100 km/h
Cruise speed	48 kn / 90 km/h

* Expected range including required safety margins and under moderate head winds. Range always depending on ambient conditions such as temperature, altitude, wind and other influencing factors. Subject to final design and testing;

3 STRUCTURES

Primary structure material	Composite
Overall height	2.7 m
Diameter of the rotor rim incl. rotor	11.3 m
Diameter of a single rotor	2.3 m
Number of rotors	18

4 POWER SUPPLY & BATTERY

Power supply	Battery electric
Battery type	Lithium-ion
Charging system	Battery swap. Charging in external charging station