



## Design specifications, August 2019

Calculated approximations not yet tested in flight

### 1 General

Capacity	2 pax incl. hand luggage
Aspired Certification	<a href="#">EASA SC-VTOL, category enhanced</a>
Power type	Electric / batteries

### 2 Performance

Max. take-off mass (MTOM)	900 kg
Max. payload	200 kg
Operating weight empty (OWE)	700 kg
Range	35 km
Max. airspeed	110 km/h

### 3 Structures

Materials used	Composite
Overall height	2,5 m
Diameter of the rotor rim incl. rotor	11,3 m
Diameter of the rotor rim excl. rotor	9,3 m
Diameter of a single rotor	2,3 m
Number of rotors	18

### 4 Powertrain

#### a) Power supply & battery

Power supply	9 battery packs
Battery type	Lithium-ion
Battery system	Exchangable rechargeable batttery packs
Battery swapping time	5 mins

#### b) Motors

Engine type	Brushless DC electric motor (BLDC)
Number of motors	18