

ORYX – Data Sheet

Dimensions

Wingspan : 3.000 mm
Length: 2.270 mm
Height: 700 mm

Wing

Surface: 136,5 dm²
M.A.C: 455 mm
Aspect Ratio: 6,6
Airfoil: FRUF02
Min. wing load: 106,2 g/dm²
Max. wing load: 161,2 g/dm²
Payload bay volume: 17,3 liters



Payload and Weights

Min. flying weight (no fuel): 14.500 g
Payload: 7.500 g (fuel + useful load)
MTOW: 22.000 g (sea level, 15 C)

Performance

Stall speed half payload: 35 km/h
Max. range speed: 72 km/h
Max. speed: 130 km/h
Max. climb at half weight: 6 m/s
Endurance (no reserve): Up to 26 h
Take-off roll (mid load): < 80 m



Engine

Make/model: OS GF40U-FI
Power: 2kW @ 9.000 rpm
Type: Air-cooled, 4-stroke, single-cylinder, OHV, electronic injection and ignition
Displacement: 39,96 cc
Propeller: APC 18x6 W
Fuel tank capacity: 7,5 liters
Fuel type: 95 oct with 3% oil mix
Generator: 100 W integrated generator

The ORYX is the first long endurance UAV designed to comply with the new European regulations. It has a big cargo bay that is easy to adapt to different payloads and a very long endurance to get the maximum productivity of each flight. With exceptional STOL performances, it can to operate in very short runways. It includes navigation lights for night flying and also ABS brakes to reduce the landing roll. Wings are foldable in less than five minutes for easy transportation. The ORYX comes ready to fly, with all avionics integrated and flight tested at the factory.