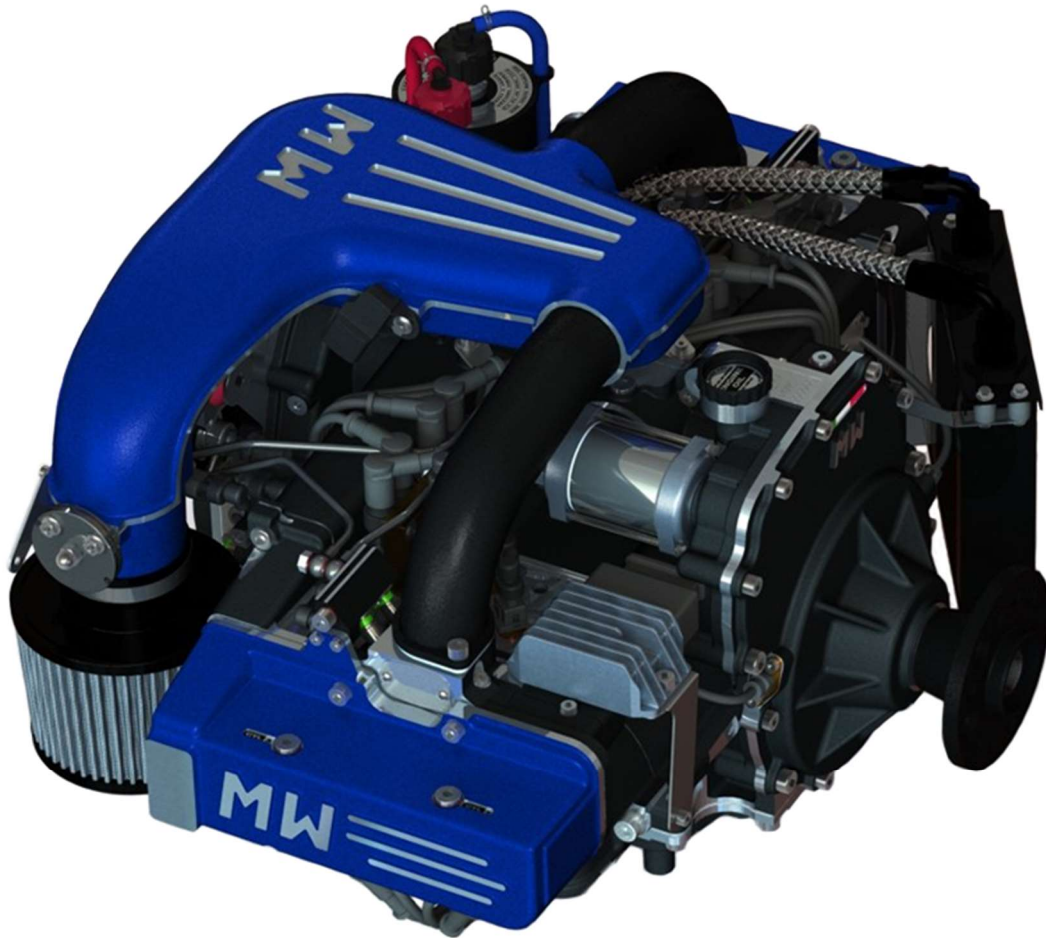
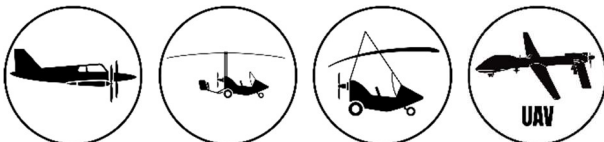


SPIRIT 100 DIRECT DRIVE



Applicability



Engine data

Type	4 cylinder boxer
Displacement [cm ³ (in ³)]	2201 (134)
Weight [Kg (lbs)]	74 (163) dry (without accessories)
Dimension L x W x H [mm (in)]	593 x 762 x 419 (23.35 x 30 x 16.5)
Stroke X Bore [mm (in)]	81 x 93 (3.18 x 3.66)
Compression Rate	10.3 ÷ 1
Thermodynamic Cycle	4 Stroke fuel (Otto cycle)
Fuel	Mo.GAS min. AKI 90, R.O.N. 95, M.O.N. 85, LL100
Cooling System	Liquid with mechanical pump
Lubrication	Semi-dry sump, pressure oil feed assisted with internal pump
Timing System	2 valves per cylinder with S.O.H.C. (Single Over Head Camshaft)
Timing Driving System	Gear + chain with automatic chain tensioner

Transmission



Electric

Generator	Permanent magnet, oil cooled, 225W (12.5V-18A)
Starter	Electric 0.65kW with anti-kickback clutch
F.R.I.S. (Full Redundancy Injector System)	ECU with dual injection and ignition; altitude and temperature compensation; Limp home strategy
CAN Data Transmission	CAN Aerospace protocol

Performance

Max Power [Hp (kW)]	100.3 (74.8) @ 3400rpm
Max Torque [Nm (Ft-lb)]	205.6 (151.6) @ 3400rpm
Max Continuous Power [Hp (kW)]	100.3 (74.8) @ 3400rpm
Max Engine Speed [rpm]	3400
Power/Weight [Hp/Kg (Hp/lbs)]	1.35 (0.61)
Fuel Cons. [L/h (USGal/h)]	18.1 (4.8) @ 75Hp
TBO [h]	2200