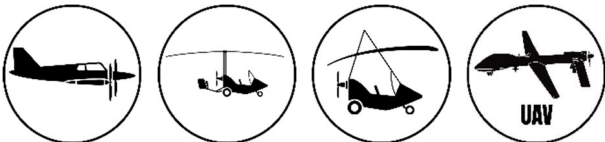


## ***SPIRIT 115 DIRECT DRIVE***



### ***Applicability***



## Engine data

Type	4 cylinder boxer
Displacement [cm <sup>3</sup> (in <sup>3</sup> )]	2545 (155)
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 100 (3.18 x 3.93)
Compression Rate	10.1 ÷ 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)]	115 (85.7) @ 3350rpm
Max Torque [Nm (Ft-lbs)]	242.9 (179.1) @ 3350rpm
Max Continuous Power [Hp (kW)]	115 (85.7) @ 3350rpm
Max Engine Speed [rpm]	3400
Power/Weight [Hp/Kg (Hp/lbs)]	1.55 (0.71)
Fuel Cons. [L/h (USgal/h)]	18.6 (4.9) @ 75Hp
TBO [h]	2200