



TECHNICAL DATA B25R

MODEL	B25R 150HP [LGIO 155 FLD]
Engine Data	
Displacement [cm ³ (in ³)]	2545 (155)
Type	4 cylinder, boxer
Weight [Kg (lbs)]	84 (185) dry
Dimension LxWxH [mm (in)]	654x758x427 (25.74x29.84x16.81)
Stoke X bore [mm (in)]	81x100 (3.18x3-93)
Compression rate	10.5÷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 O.H.C. (Over Head Camshaft)
Timing driving system	Gear + Chain with automatic chain tensioner
Gear box	
Reduction ratio	1÷1.958
Power transmission	Helical gear
Propeller rotation	Left (counter clockwise from the pilot point of view)
Lubrication	Separated oil splash lubrication (high viscosity)
Electric	
Generator	Voltage 12V, generator 300W oil cooled, voltage regulator 26A
Starter	Electric starter 0.8kW and hydraulic decompression system
F.R.I.S. (full Redundant Injector System) with H.S.A. (Health Status Annunciator)	FADEC Dual ECU and dual ignition. Altitude, RPM and temperature compensating fuel injection and ignition system. The two ECUs are connected via CAN line to the H.S.A.
Performance	
Max power [kW (HP)]	110.7(150) @ 4550rpm
Max torque [Nm (ft-lb)]	237.4(175) @ 4200rpm
Max continue power [KW(HP)]	93.4 (127)
Power/weight [HP/Kg(lbs)]	1.90 (0.81)
Consumption g/HP*h	175 @ 4200 rpm
TBO [h]	1500