



TECHNICAL DATA B22G - 122/135 HP

Engine Data		
Model	B22G-L-122-A B22G-R-122-A	B22G-L-135-B B22G-R-135-B
Type	4 cylinder boxer	
Displacement [cm³ (in³)]	2201 (134)	
Weight [Kg (lbs)]	84 (185) dry	
Dimension L x W x H [mm (in)]	568x758x451 (22.36x29.87x17.77)	
Stroke X Bore [mm (in)]	81x93 (3.18x3.66)	
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÷1.731 (A type)	1÷1.958 (B type)
Power Transmission	Helical gear	
Propeller Rotation	Right (R) or Left (L)	
Lubrication	Oil splash lubrication with high viscosity oil type (not engine oil)	
Electric		
Generator	Oil cooled, 12V, 300W, voltage regulator 26A	
Starter	Electric 0.8kW with hydraulic decompression system	
F.R.I.S. (Full Redundancy Injection System)	FADEC, dual ECU and dual ignition; altitude and temperature compensating fuel injection and ignition system; CAN data export to EM-m	
Performance		
Max Power [kW (HP)]	90 (122) @ 4000 rpm	104.3 (140) @ 4700 rpm
Max Torque [Nm (Ft-lb)]	220 (162.5) @ 4000 rpm	221 (163) @ 4300 rpm
Max Continue Power [KW (HP)]	78.2 (105) @ 4000 rpm	87.9 (118) @ 4400 rpm
Power/Weight [HP/Kg (lbs)]	1.45 (0.66)	1.67 (0.75)
Fuel Cons. [L/h (USG/h)]	22 (5.8) @ 90 HP	25 (6.6) @110 HP
TBO [h]	2000	1800

