



TECHNICAL DATA B22D - 100/135 HP

Engine Data		
Model	B22D-L-100 B22D-R-100	B22D-L-135 B22D-R-135
Type	4 cylinder boxer	
Displacement [cm³ (in³)]	2201 (134)	
Weight [Kg (lbs)]	79.5 (176) 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	Not applicable	
Power Transmission	Not applicable	
Propeller Rotation	Right (R) or Left (L)	
Lubrication	Not applicable	
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)]	77.5 (104) @ 3500 rpm	104.3 (140) @ 4700 rpm
Max Torque [Nm (Ft-lb)]	210 (154.8) @ 3300 rpm	221 (159.1) @ 4300 rpm
Max Continue Power [KW (HP)]	74.5 (100) @ 3500 rpm	87.9 (118) @ 4400 rpm
Power/Weight [HP/Kg (lbs)]	1.31 (0.59)	1.76 (0.79)
Fuel Cons. [L/h (USG/h)]	21 (5.5) @ 90 HP	25 (6.6) @ 110 HP
TBO [h]	2200	1800

