Main Technical Parameters

Type		3B11XD51
Aspiration		Naturally aspirated
Displacement(L)		1.1
Bore(mm)xStroke(mm)		78X78.4
Power(kW)/Speed(r/min)		13.2/1800
Torque(N•m)/Speed(r/min)		
Fuel Injection System		BOSCH common rail
Fuel consume rate (g/kW-h)		235
Noise dB(A)		105
Emission level		EURO V
Weight (kg)		110
Dimensions (mm)		530X390X590
Engine		
Type		In-line, water cooled, 4-stroke, direct injection ring-like platform combustion
Speed	[min-1]	1800
Exhaust emission standard		EURO V
General		
Aspiration		Naturally aspirated
No. of cylinders		3
Compression ratio		18
Rotation (looking at flywheel)		Counter clockwise
No. of teeth on flywheel ring gear		100
Governing standards		
Speed droop (static) mech. gov.	[%]	-
Speed droop (static) electr. gov. (EMR/GAC)	[%]	5
Lubrication system		
Oil specification		CF
Oil consumption (as % of fuel consumption)		0.5
Oil pan capacity	[l]	4
Output		
Fan reduction	[kW]	0.38
Net flywheel	[kW]	12.1
Electrical output	[kVA]	
Fuel System		
Fuel consumption		
25% load	[g/kWh]	
50% load	[g/kWh]	
75% load	[g/kWh]	
100% load	[g/kWh]	
Cooling System		
General engine cooling data		
Max. perm. coolant outlet temperature	[°C]	95
Coolant capacity (engine)	[l]	1.335
Coolant capacity (incl. cooling unit)	[l]	
Air to boil (max. permissible cool. air temp. at fan)	[°C]	
Cooling air flow	[m3/h]	
Air pressure loss	[bar]	-
Electrical System		
Voltage	[V]	12
Starter	[kW]	1.4
Alternator output	[A]	35