Main Technical Parameters

Type		A498BD
Aspiration		Naturally aspirated
Displacement(L)		3.2
Bore(mm)xStroke(mm)		98x105
Power(kW)/Speed(r/min)		32
Torque(N•m)/Speed(r/min)		204
Fuel Injection System		BQ Electronical Governor Inline Pump
Fuel consume rate (g/kW-h)		240
Noise dB(A)		≤112
Emission level		CN stage II
Weight (kg)		265
Dimensions (mm)		750x565x700
Engine		
Type		In-line, water cooled, 4-stroke, direct injection ring-like platform combustion
Speed	[min-1]	1500
Exhaust emission standard		CN stage II
General		
Aspiration		Naturally aspirated
No. of cylinders		4
Compression ratio		18.5
Rotation (looking at flywheel)		Counter clockwise
No. of teeth on flywheel ring gear		120
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)		1.2
Oil pan capacity	[l]	6.5
Output		
Fan reduction	[kW]	2
Net flywheel	[kW]	28
Electrical output		25.2
Fuel System		
Fuel consumption		
25% load	[l/h]	2.8
50% load	[l/h]	5
75% load	[l/h]	7.1
100% load	[l/h]	9.1
Cooling System		
General engine cooling data		
Max. perm. coolant outlet temperature	[°C]	95
Temperature at CAC outlet at standard conditions	[°C]	85
Coolant capacity (engine)	[l]	5.73
Coolant capacity (incl. cooling unit)	[l]	
Air to boil (max. permissible cool. air temp. at fan)	[°C]	45
Cooling air flow	[m3/h]	122
Air pressure loss	[bar]	-
Electrical System		
Voltage	[V]	12
Starter	[kW]	3
Alternator output	[A]	25