



Main Technical Parameters

Type		NC485BD
Aspiration		Naturally aspirated
Displacement(L)		2.27
Bore(mm)xStroke(mm)		85*100
Power(kW)/Speed(r/min)		16.1/1500
Torque(N•m)/Speed(r/min)		102.5/1500
Fuel Injection System		BO in line pump
Fuel consume rate (g/kW-h)		245
Noise dB(A)		≤95
Emission level		/
Weight (kg)		220
Dimensions (mm)		744*545*635
Engine		
Type		In line, water cooled, 4-stroke, direct injection
Speed	[min-1]	1500
Exhaust emission standard		CN stage II
General		
Aspiration		Naturally aspirated
No. of cylinders		4
Compression ratio		18
Rotation (looking at flywheel)		Counter clockwise
No. of teeth on flywheel ring gear		109
Governing standards		
Speed droop (static) mech. gov.	[%]	5
Speed droop (static) electr. gov. (EMR/GAC)	[%]	3
Lubrication system		
Oil specification		CF
Oil consumption (as % of fuel consumption)		0.2g/kWh
Oil pan capacity	[l]	5.5
Output		
Fan reduction	[kW]	0.75
Net flywheel	[kW]	15.35
Electrical output	[kVA]	16
Fuel System		
Fuel consumption		
25% load	[g/kWh]	375
50% load	[g/kWh]	275
75% load	[g/kWh]	256
100% load	[g/kWh]	245
Cooling System		
General engine cooling data		
Max. perm. coolant outlet temperature	[°C]	95
Coolant capacity (engine)	[l]	4.65
Air to boil (max. permissible cool. air temp. at fan)	[°C]	45
Cooling air flow	[m ³ /h]	3600
Air pressure loss	[bar]	
Electrical System		
Voltage	[V]	12
Starter	[kW]	3
Alternator output	[A]	25