



Main Technical Parameters

Type		4E30YD
Aspiration		Supercharge
Displacement(L)		3.0
Bore(mm)xStroke(mm)		94x107
Power(kW)/Speed(r/min)		48
Fuel Injection System		Common Rail
Fuel consume rate (g/kW-h)		210
Noise dB(A)		≤105
Emission level		CN stage IV
Weight (kg)		280
Dimensions (mm)		760x580x790
Engine		
Type		In-line, water cooled, 4-stroke, direct injection
Speed	[min-1]	1500
Exhaust emission standard		CN stage IV
General		
Aspiration		Supercharge
No. of cylinders		4
Compression ratio		17.5
Rotation (looking at flywheel)		Counter clockwise
No. of teeth on flywheel ring gear		118
Governing standards		
Speed droop (static) mech. gov.	[%]	-
Speed droop (static) electr. gov. (EMR/GAC)	[%]	3%
Lubrication system		
Oil specification		CH
Oil consumption (as % of fuel consumption)		0.2
Oil pan capacity	[l]	6.5
Output		
Fan reduction	[kW]	3
Net flywheel	[kW]	45
Electrical output	[kVA]	50
Fuel System		
Fuel consumption		
25% load	[g/kWh]	250
50% load	[g/kWh]	237
75% load	[g/kWh]	226
100% load	[g/kWh]	225
Cooling System		
General engine cooling data		
Max. perm. coolant outlet temperature	[°C]	102
Coolant capacity (engine)	[l]	5.8
Air to boil (max. permissible cool. air temp. at fan)	[°C]	45
Cooling air flow	[m ³ /h]	252
Air pressure loss	[bar]	0.04
Electrical System		
Voltage	[V]	12
Starter	[kW]	2.5
Alternator output	[A]	70