



Main Technical Parameters

Type		4K41ZD
Aspiration		Supercharge
Displacement(L)		4.1
Bore(mm)xStroke(mm)		105x118
Power(kW)/Speed(r/min)		59
Torque(N•m)/Speed(r/min)		376
Fuel Injection System		Electronic unit pump
Fuel consume rate (g/kW-h)		240
Noise dB(A)		≤114
Emission level		CN stage II
Weight (kg)		360
Dimensions (mm)		815x645x820
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		Supercharge
No. of cylinders		4
Compression ratio		18
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)	[%]	3%
Lubrication system		
Oil specification		CF
Oil consumption (as % of fuel consumption)		0.5
Oil pan capacity	[l]	6.5
Output		
Fan reduction	[kW]	2.5
Net flywheel	[kW]	54
Electrical output		48.6
Fuel System		
Fuel consumption		
25% load	[l/h]	4.9
50% load	[l/h]	8.3
75% load	[l/h]	12
Cooling System		
General engine cooling data		
Max. perm. coolant outlet temperature	[°C]	95
Min. pressure before coolant pump	[bar]	
Temperature at CAC outlet at standard conditions	[°C]	85
Coolant capacity (engine)	[l]	8.54
Coolant capacity (incl. cooling unit)	[l]	
Air to boil (max. permissible cool. air temp. at fan)	[°C]	45
Cooling air flow	[m ³ /h]	294
Air pressure loss	[bar]	-
Electrical System		
Voltage	[V]	12
Starter	[kW]	3.8
Alternator output	[A]	35