

DIESEL ENGINE SPECIFICATIONS

SPEED	<i>DIESEL ENGINE MODEL : YND485D</i>	
	GROSS ENGINE OUTPUT	
rpm	PRIME POWER (kWm)	STANDBY POWER (kWm)
1500	19	21

BASIC DATA

Type	Vertical, water cooling, four stroke	Combustion chamber type	Direct Injection
Total Displacement (l)	2,156	Cylinder	4 cyl, inline
Bore x Stroke (mm)	85 x 95	Fuel System	Mechanical Pump
Compression Ratio	18:01	Aspiration	Natural
Firing Order	(1) - (3) - (4) - (2)	Engine Weight	200 ± 5 (kg)
Engine Oil Temperature	≤ 95 °C	Cooling Water Temperature	≤ 90 °C
Exhaust Temperature (After exhaust manifold)	≤ 470 °C	Oil Pressure	0,2 – 0,4 Mpa
Oil Pan (l)	5,5	Coolant Capacity (l)	9

PERFORMANCE DATA

LOAD	POWER (kW)	FUEL CONSUMPTION (l/h)
100%	16	5,58
75%	12	4,19
50%	8	2,79

The engine can be operated at : up to 1000m and 30°C without any derate. For sustained operation above these conditions, the derate value is by 1% per 100m, and 5% per 10°C.