

MAN 51/60G TS


Bore 510 mm, Stroke 600 mm
18V

		1	2
Operational setup	rpm		
Engine speed	rpm	500/514	500/514
Engine Power	kW	18,900	20,700
Frequency	Hz	50/60	50/60
Electr. Genset power	kW	18,465	20,220

Nominal alternator efficiency: 97.7%.

Electr. Genset heat rate at 100% load

Optimized for power generation, (TA Luft)	kJ/kWh	7,262	7,374
Electrical Efficiency	%	49.6	48.8
Optimized for combined heat and power (TA Luft)	kJ/kWh	-	7,473
Electrical Efficiency	%	-	48.2

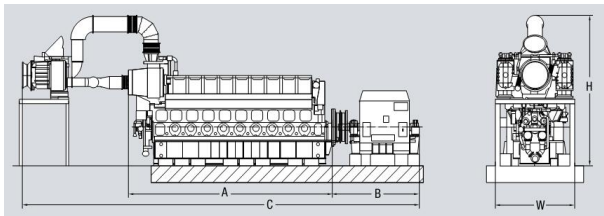
 Methane no. ≥ 80 ; without pumps; 5% tolerance.

Lube oil consumption	kg/h	6.6	7.2
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Specific lube oil consumption 0.35 g/kWh, tolerance: +20%

Dimensions

A	mm	13,148
B	mm	5,410
C	mm	24,510
W	mm	4,700
H	mm	9,023
Genset dry mass	t	407


Note: The above dimension: only reference.
The inal dimensions are determined by the type of alternator.



MAN 51/60G TS

SOAR

Engine cycle: four-stroke

Turbocharging system: constant pressure

Number of cylinders, V-engine: 18

Bore: 510 mm

Stroke: 600 mm

Swept volume per cylinder: 122.6 dm

Cylinder output (MCR)

at High Efficiency: 1050 kW/Cyl.

at High Power: 1150 kW/Cyl.

Cylinder cooling: Fresh water

Charge air cooler (two-stage): Fresh water

Starting method: Compressed air



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