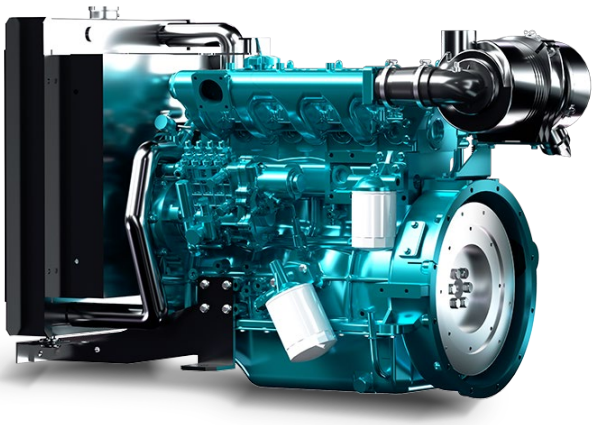
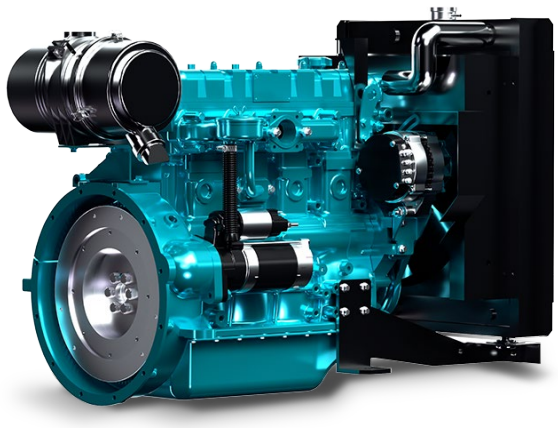
AS25000-G31

800 kW@1500 rpm





Engine Speed (r/min)	Type of Operation	Engine Power (kW)	Generator Power (kW)
1500	Prime Power	728	660
1500	Standby Power	800	720

· The engine per formance is as per GB/T2820
· Ratings are based on GB/T1147.1.

• Prime Power :

There is no time limit in the case of variable load operation. In any 250hours of continuous operation period,the variable load of average work load less than 80% of the prime power.
The operation time in the situation of 100%prime power no more than 500 hours. Permit 10%overload running 1hours in any 12 hours of continuous operation period.
The overload 10% power running time of every year no more than 25 hours.

• Standby Power :

The annual total standby power load should be less than 80% and the average running time shall be less than 200 hours. Among them the standby power point should be no more than 25 hours a year.

Specifications

Engine Model	AS25000-G31
Engine Type	In-line, 4strokes, 4valves,water-cooled, Turbo charged, air-to-air intercooled
Combustion type	Direct injection
Cylinder Type	Dry liner
Number of cylinders	6
Bore × stroke	170 × 185mm
Displacement	25.2 L
Compression ratio	14.5: 1
Firing order	1-5-3-6-2-4
Injection timing	Electric type
Dry weight	Approx. 2700kg
Dimension (L×W×H)	2332×1242×1659mm
Rotation	Counter clockwise viewed from Flywheel
Fly wheel housing	SAE NO.0#
Fly wheel	SAE NO.18#

Mechanism

Type	Over head valve
Number of valve	Intake 2, exhaust 2 per cylinder
Valve lashes at cold	Intake 0.35mm Exhaust 0.60mm

Fuel System

Injection pump	Liebherr
Governor	Electric type
Feed pump	Electric type
Injection nozzle	Multi hole type
Opening pressure	Electric type
Fuel filter	Full flow, cartridge type
Used fuel	Diesel fuel oil

Valve Timing

	Opening	Close
Intake valve	25° BTDC	57° ABDC
Exhaust valve	66° BBDC	16° ATDC

Fuel Consumption

Power	L/h（1500r/min）	L/h（1800r/min）
25%	49.1	N/A
50%	86.3	N/A
75%	126.9	N/A
100%	172.5	N/A
110%	193.3	N/A

AS25000-G31

800 kW@1500 rpm

Lubrication System

Lub. Method	Fully forced pressure feed type
Oil pump	Gear type driven by crankshaft
Oil filter	Full flow, cartridge type
Oil pan capacity	High level 75 liters Low level 45 liters
Angularity limit	Front down 12° Front up 15° Side to side 35°

Cooling System

Cooling method	Fresh water forced circulation
Water capacity (engine only)	55 liters
Lid Min. pressure	70kPa
Water pump	Centrifugal type driven by belt
Water pump Capacity	880 L/min (1500r/min)
Thermostat	Wax–pellet type Opening temp. 77°C Full open temp. 90°C
Cooling fan	Blower type, plastic 1220 mm diameter, 8 blades
Cooling fan power consumption	TBA
The maximum temp. of coolant in prime / Standby power	102/98°C

Electrical System

Charging generator	28V×55A
Voltage regulator	Built-in type IC regulator
Starting motor	24V×9kW
Battery Voltage	24V
Battery Capacity	200 AH

Engineering Data

Heat rejection to coolant	70.1 kcal/sec （1500r/min）
Heat rejection to CAC	43.4 kcal/sec （1500r/min）
Engine air flow	56.5 m ³/min（1500r/min）
Exhaust gas flow	140.2 m ³/min（1500r/min）
Exhaust gas temp	600 °C
Max. permissible restrictions	3 kPa initial
Intake system	6 kPa initial
Exhaust system	10 kPa max
Max. permissible altitude	N/A
intercooler permissible restrictions	10 kPa

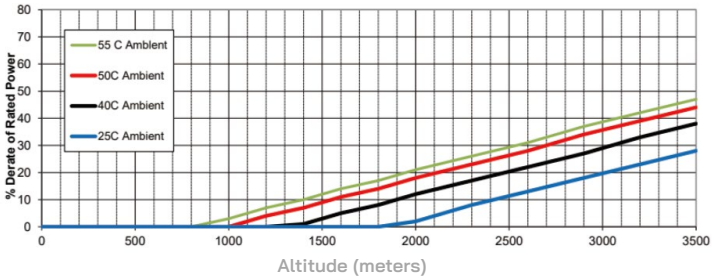
Power Derate

All data is based on the engine operating without air compressor,fan,generator, fan,optional equipment and driven components .

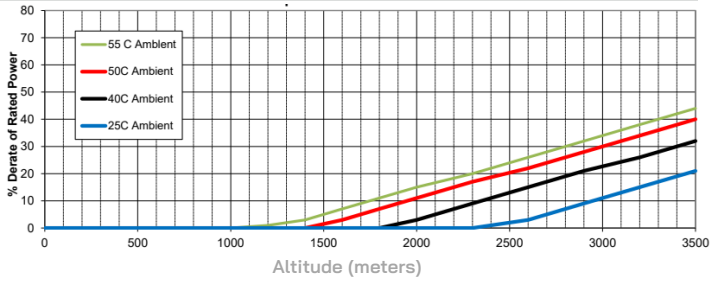
All data is based on the engine operating with 3.7 kPa inlet air restriction , 10 kPa exhaust restriction and with 13 kPa Inter-cooled implement differential pressure.

Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with GB/T18297 of 99kPa baiometric press， 298K inlet air temperature， and 1kPa water vapor pressure .

1500rpm Altitude Derate Standby Power



1500rpm Altitude Derate Prime Power



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Publication No. GYH0618N, ISSUE 1 @ AGG U