

Model: AS8900

230 kW@1500 rpm | 255 kW@1800 rpm

Engine Speed r/min	Type of Operation	Engine Power kW	Generator Power kVA
1500	Prime Power	230	250
1500	Standby Pow	er 253	275
1800	Prime Power	255	275
1800	Standby Pow	er 282	303

• The engine performance 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 70% 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

Specifications	
Engine Model	AS8900
	In-line,4 strokes,
	4 valves,
Engine Type	water-cooled ,
	Turbo charged
	with aftercooler
Combustion type	Direct injection
Cylinder Type	Wet liner
Number of cylinders	6
Bore × stroke	114× 144mm
Displacement	8.82 L
Compression ratio	16.5 : 1
Firing order	1-5-3-6-2-4
Injection timing	8.5°BTDC
Dry weight	Approx. 900kg
Dimension (L×W×H)	1493 ×792×1309mm
Rotation	SAE NO.2
Fly wheel housing	SAE NO.11.5
	(tooth number of gear:125)

Mechanism	
Туре	Over head valve
Number of valve	Intake 2, exhaust 2 per cylinder
Valve lashes at cold	Intake 0.25mm
	Exhaust 0.50mm

Engine code:DBL5737

Valve Timing		
	Opening	Close
Intake valve	20.9° BTDC	44.9° ABDC
Exhaust valve	51.7° BBDC	11.7° ATDC

Fuel Consumption		
Power	L/h (1500r/min)	L/h (1800r/min)
25%	15.9	18.9
50%	27.7	32.3
75%	40.7	46.1
100%	55.1	63.1
110%	61.3	70.3

Fuel System	
Injection pump	Longkou in-line "P" type
Governor	RSV
Feed pump	Mechanical type
Injection nozzle	Multi hole type
Opening pressure	250 kg/cm2
Fuel filter	Full flow, cartridge type
Used fuel	Diesel fuel oil

Lubrication System	1
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 25 liters
	Low level 25 liters
Angularity limit	Front down 25 deg
	Front up 35 deg
	Side to side 35 deg
Lub. Oil	Refer to Operation Manual

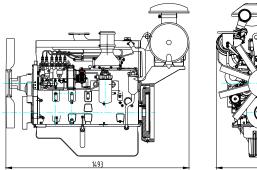


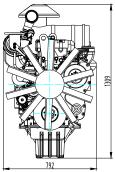
Cooling System	
Cooling method	Fresh water forced circulation
Water capacity	12 liters
(engine only)	
Lid Min. pressure	70kPa
Water pump	Centrifugal type driven by belt
Water pump Capacity	200L/min (1500r/min)
	240L/min (1800r/min)
Thermostat	Wax-pellet type
	Opening temp. 82°C
	Full open temp. 95°C
Cooling fan	Blower type, plastic
	762 mm diameter, 10 blades
	Power consumption 6kw
Cooling air flow	6.2 m³/s

Electrical System	
Charging generator	28V×55A
Voltage regulator	Built-in type IC regulator
Starting motor	24V×7.5kW
Starting motor	24V
Battery Capacity	180 AH

Engineering Data	
Heat rejection to coolant	23.1kcal/sec (1500r/min)
	25.6kcal/sec (1800r/min)
Heat rejection	14.5m3/min (1500r/min)
to intercooler	16.0m3/min (1800r/min)
Exhaust gas temp	600 °C
Max. permissible	3 kPa initial
restrictions	
Intake system	6 kPa final (need
	charge filter element)
Exhaust system	6 kPa max
Max. permissible altitude	2000 m

Dimension





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