

• Model: AS6500

168 kW@1500 rpm | 180kW@1800 rpm

Engine code: H5706

Engine Speed	I Type of Operation	Engine Power kW	Generator Power kW
1500	Prime Power	168	188
1500	Standby Powe	er 185	206
1800	Prime Power	180	200
1800	Standby Powe	er 198	220

•	The	engine	nerforn	nance 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	
Engine Model	AS6500
	In-line,4 strokes,
	4 valves,
Engine Type	water-cooled,
	Turbo charged
	with aftercooler
Combustion type	Direct injection
Cylinder Type	Dry liner
Number of cylinders	6
Bore × stroke	105× 124mm
Displacement	6.5 L
Compression ratio	16:1
Firing order	1-5-3-6-2-4
Injection timing	10.5°BTDC
Dry weight	Approx. 600kg
Dimension (LxWxH)	1330 ×789×1079 mm
Rotation	SAE NO.3
Fly wheel housing	SAE NO.11.5
	(tooth number of gear:127)

Over head valve
Intake 2, exhaust 2 per cylinder
Intake 0.25mm
Exhaust 0.50mm

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

Fuel Cons	Fuel Consumption				
Power	L/h (1500r/min)	L/h (1800r/min)			
25%	11.4	12.6			
50%	20.5	22.2			
75%	29.5	32.0			
100%	39.7	43.4			
110%	44.4	48.4			

Longkou in-line "P" type
RSV
Mechanical type
Multi hole type
250 kg/cm2
Full flow, cartridge type
Diesel fuel oil

Lubrication Syster	n
Oil pump	Gear type driven by crankshaft
Oil filter	Full flow, cartridge type
Oil pan capacity	High level 17.5 liters
	Low level 15liters
	Front down 25 deg
Angularity limit	Front up 35 deg
	Side to side 35 deg
Lub. Oil	Refer to Operation Manual

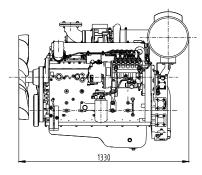


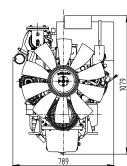
Cooling System	
Cooling method	Fresh water forced circulation
Water capacity	9.6liters
(engine only)	
Lid Min. pressure	70kPa
Water pump	Centrifugal type driven by belt
Water pump Capacity	129L/min (1500r/min)
	155L/min (1800r/min)
The maximum temp.	
of coolant in prime/	104/100
Standby power	
	Wax-pellet type
Thermostat	Opening temp. 82°C
	Full open temp. 95°C
Cooling fan	Blower type, plastic
	660 mm diameter, 10 blades
	Power consumption 6kw
Cooling air flow	4.5 m³/s

Electrical System	
Charging generator	28V×55A
Voltage regulator	Built-in type IC regulator
Starting motor	24V×6kW
Starting motor	24V
Battery Capacity	150 AH

Engineering Data	
Heat rejection to coolant	15.1kcal/sec (1500r/mir
	16.9kcal/sec (1800r/mir
	18.1kcal/sec (1800r/mi
Heat rejection to intercoole	er10.6kcal/sec (1500r/mi
	11.3kcal/sec (1800r/mi
Air flow	11.9m3/min (1500r/mi
	14.7m3/min (1800r/mir
Exhaust gas flow	28.1m3/min (1500r/mir
	34.8m3/min (1800r/mir
Exhaust gas temp	600 °C
Max. permissible restrictio	ns 3 kPa initial
Intake system	6 kPa final (need
	charge filter element)
Exhaust system	6 kPa max
Max. permissible altitude	2000 m
Intercooler permissible res	trictions 8 kPa

Dimension





Power Solutions

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