

Model: AS6500

140 kW@1500 rpm | 150 kW@1800 rpm

Engine code: H5705

Engine Spee	d Type of E Operation	ngine Power k W	Generator Power kVA
1500	Prime Power	140	150
1500	Standby Power	155	165
1800	Prime Power	150	160
1800	Standby Power	165	176

•	The	engine	nerform	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	4
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 Consumption			
Power	L/h (1500r/min)	L/h (1800r/min)	
25%	9.9	11.3	
50%	17.6	19.6	
75%	25.2	27.9	
100%	33.1	36.3	
110%	36.8	40.4	

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 Syste	m
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 17.5 liters
	Low level 15 liters
Angularity limit	Front down 25 deg
	Front up 35 deg
	Side to side 35 deg
Lub. Oil	Refer to Operation Manual

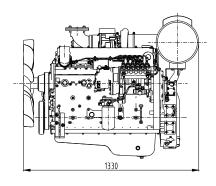


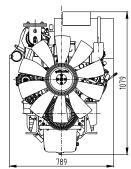
Cooling System	
Cooling method	Fresh water forced circulation
Water capacity	6.8 liters
(engine only)	
Lid Min. pressure	70kPa
Water pump	Centrifugal type driven by belt
Water pump Capacity	129L/min (1500r/min)
	155L/min (1800r/min)
The maximum temp.	
of coolant in prime/	104/100
Standby power	
	Wax-pellet type
Thermostat	Opening temp. 82°C
	Full open temp. 95°C
Cooling fan	Blower type, plastic
	600 mm diameter, 10 blades
	Power consumption 5kw
Cooling air flow	4.0 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	14.1kcal/sec (1500r/mir	
	15.1kcal/sec (1800r/mir	
Heat rejection to intercool	er 8.8kcal/sec (1500r/min	
	9.4kcal/sec (1800r/min	
Air flow	10.5m3/min (1500r/mi	
	13.5m3/min (1800r/mir	
Exhaust gas flow	24.8m3/min (1500r/mir	
	31.7m3/min (1800r/mir	
Exhaust gas temp	600 °C	
Max. permissible restriction	ons 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	strictions 8 kPa	

Dimension





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