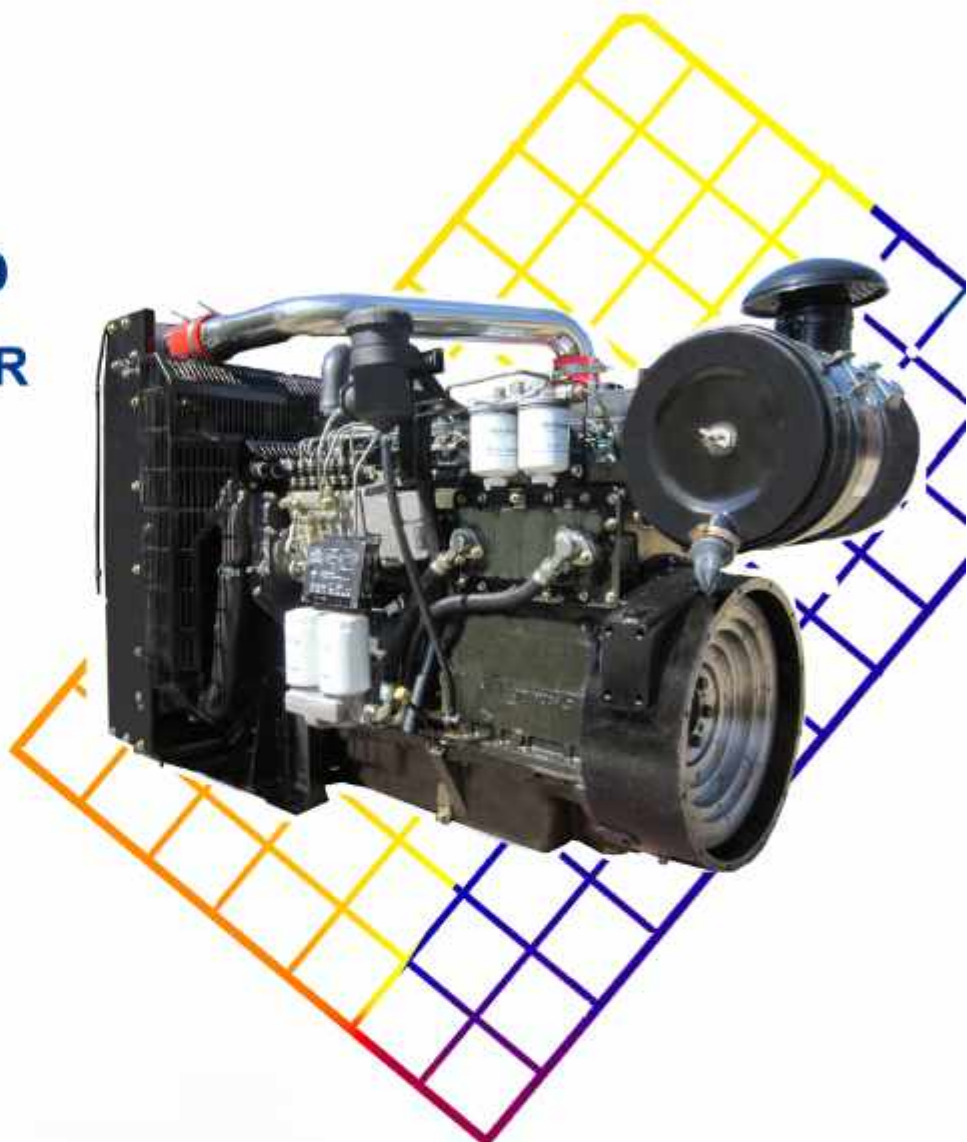




MOTORSAZAN

MTI660A-181GD GENSET POWER



Performance

Engine speed rev/min	Type of operation	Typical generator output(net) kVA	Engine Power	
			kW	bhp
1500	Prime power	135	119	160
	Standby power	150	132	177



Motorsazan company is certified by TUV NORD for conformity with ISO 9001, ISO 14001, ISO 16949 standards.

All ratings based on operating under ISO 3046 condition using typical fan sizes and drive ratios. For operation outside of these condition please consult with Motorsazan company. Performance tolerance quoted by Motorsazan is $\pm 5\%$.

Electrical ratings assume a power factor of 0.8 and a generator efficiency of 90%.

Fuel specification: BS2869 Part 2 1998 Class A2 or ASTM D975 D2.

Rating Definitions:

Prime power: Power available at variable load in lieu of main power network. An overload of 10% is permitted for one hour in every twelve hours of operation.

Standby power: Power available at variable load in the event of a main power network failure. No overload is permitted.

Standard Specifications

Air filter:

Mounted air filter

Fuel system:

In- Line fuel injection pump
Electrical governing
Twin cartridge fuel filter and prefilter
Sedimenter/water trap filter supplied loose

Lubrication system:

Cast iron with filler and dipstick
Spin-on full-flow oil filter

Cooling system:

Gear driven circulating pump
25" belt driven, pusher type, Polyamide fan
Mounted radiator, intercooler and pipework
Lubricating oil cooler

Electrical equipment:

12 volt starter motor
12 volt 55 Amp alternator with DC output
Switch for oil pressure
12 volt shut down solenoid energized to run
Thermostart cold start aid

Flywheel and Housing:

High inertia flywheel to SAE J620 size 10/11½
Cast iron SAE3 flywheel housing

Mountings:

Front mounting brackets

Optional equipment:

Coolant temperature gauge
Lubrication oil pressure gauge and sender
Heater/Starter switch
Flywheel and coupling suitable for double bearing alternators
Rear mounting brackets

Fuel consumption litres / hour	
Power rating	1500 rev/min
Standby power	27
Prime power	24
75% of prime power	20.5
50% of prime power	14

Basic technical data

Number of cylinder: 6

Cylinder arrangement: Vertical, in line

Cycle: 4 stroke

Induction system: Turbocharged and intercooled

Cubic capacity: 6 litres

Bore: 100 mm

Stroke: 127 mm (5 in)

Compression ratio: 17.5:1

Direction of rotation: Clockwise viewed from front

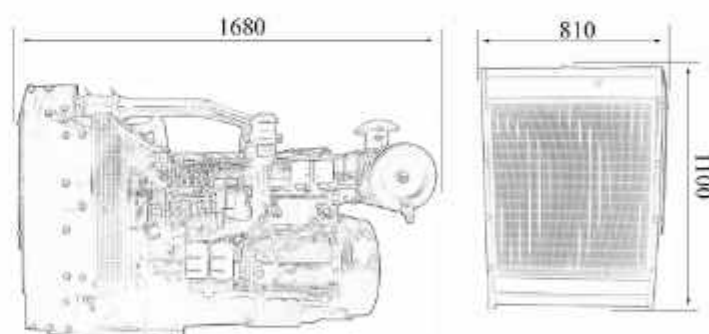
Firing order: 1, 5, 3, 6, 2, 4

Total lubrication system capacity: 17 litres

Coolant capacity (including radiator): 37 liters

Engine total weight (dry): 730 kg

Engine total weight (wet): 781 kg



All dimensions are in mm

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• The illustrations may include some optional equipments.

• Motorsazan reserves the right to modify product specifications without prior notice.