

# YBC 100 – 6BTA5.9G5

## COMPLETE DIESEL GENERATOR SET

ISSUE 2015

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### POWER RATING

#### RATING - 50HZ, 1500 RPM

PRIME RATING		STANDBY RATING	
KW	KVA	KW	KVA
80	100	88	110

## DATA SHEET SPECIFICATION 100KVA - 110KVA - 50 HZ



### Description

Younes Bros generators are fully designed to maintain optimum performance and reliability using the finest solutions for technical simplicity and robust construction

Our generators are available with **CE** certification along with the installation Quality Assurance ( **IQA** ) from Cummins and designed in facilities certified to ISO 9001

**YBC 100 - 6BTA5.9G5**

### Features

- Cummins heavy duty engines
- Stamford Class H Alternators
- Deep Sea control system
- Water cooling system
- Optional weather 7 sound protective enclosures
- Genset accepts load as per NFPA110

### Genset Specifications

Generating set KVA Prime 100 KVA Standby 110 KVA, equipped with Cummins diesel engine type 6BTA5.9-G5 driving at 1500 RPM.

A single bearing Stamford alternator brushless, self excited, self regulated, insulation and temperature class H, PH 0.8, 220/380V, 3 phase, 4 wire regulated at +/- 1%, 50 Hz.

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### Engine Specifications

- BRAND : CUMMINS
- TYPE : 6BTA5.9-G5
- Output prime rating : 100 KVA
- Displacement : 5.9 Liter
- No of cylinders : Inline 6
- Ambient Temperature : 55°C
- Bore : 102 mm
- Stroke : 120 mm
- Cycle : 4 Stroke
- Aspiration : Turbo Charged & after cooled
- Running speed : 1500 RPM
- Fuel Consumption : 25% - 7 liter/hour  
50% - 12 liter/hour  
100% - 21 liter/hour
- Type of governor : Electronic ( ISO 8528 Part I Class G3)
- Type of Injection : Bosch Mechanical



### Alternator Specifications

- Brand : Stamford
- Rated Voltage : 380 V
- Phase : 3
- Rotational Speed : 1500 RPM
- Power Factor : 0.8
- Frequency : 50 Hz

### Control System

Deep Sea Automatic Start Control module that offers an advanced range of engine monitoring and protection features

### Generator Set Options

- Engine:** Water jacket heater 220V
- Enclosure:** Sound attenuated canopy
- Alternator:** Alternator Heater  
PMG kit
- Power Panel:** 4 Poles Main Circuit Breaker

- Warranty:** 5 Years for standby application  
2 Years for prime application
- Silencer :** 9 dB attenuation industrial silencer  
25 dB residential - delivered loose

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