

# YBC 45 – S3.8G8

## COMPLETE DIESEL GENERATOR SET

ISSUE 2015

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### POWER RATING

**RATING - 60HZ, 1800 RPM**

PRIME RATING		STANDBY RATING	
KW	KVA	KW	KVA
36	45	40	50

## DATA SHEET SPECIFICATION 45KVA - 50KVA - 60 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

**YBC45 - S3.8G8**

### 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 NFPA I 10

### Genset Specifications

Generating set KVA Prime 45 KVA Standby 50 KVA, equipped with Cummins diesel engine type S3.8G8 driving at 1800 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%, 60 Hz.

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### Engine Specifications

- BRAND : CUMMINS
- TYPE : S3.8G8
- Output prime rating : 45 KVA
- Displacement : 3.8 Liter
- No of cylinders : Inline 4
- Ambient Temperature : 55°C
- Bore : 97 mm
- Stroke : 128 mm
- Cycle : 4 Stroke
- Aspiration : Turbo Charged
- Running speed : 1800 RPM
- Fuel Consumption : 25% - 4.1 liter/hour  
50% - 6.2 liter/hour  
100% - 9.4 liter/hour
- Type of governor : Mechanical
- Type of injection : Bosch Mechanical



### Alternator Specifications

- Brand : Stamford
- Rated Voltage : 380 V
- Phase : 3
- Rotational Speed : 1800 RPM
- Power Factor : 0.8
- Frequency : 60 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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THE POWER OF INDEPENDENCE

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Specification subject to change without prior notice