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POWER RATING**RATING - 50HZ, 1500 RPM**

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

YBP45 – 1103A-33TG1

COMPLETE DIESEL GENERATOR SET

ISSUE 2023



DATA SHEET SPECIFICATION 45KVA - 50KVA - 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 Perkins and designed in facilities certified to ISO 9001:2015 & ISO 14001:2015

**YBP45 - 1103A-33TG1**

Features

- Perkins heavy duty engines
- Leroy Somer 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 Perkins diesel engine type 1103A-33TG1 driving at 1500 RPM.

A single bearing Leroy Somer 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.

THE POWER OF INDEPENDENCE

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YBP45 – 1103A-33TG1

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COMPLETE DIESEL GENERATOR SET

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Engine Specifications

- BRAND : PERKINS
- TYPE : 1103A-33TG1
- Output prime rating : 45 KVA
- Displacement : 3.3 Liters
- No of cylinders : 3
- Ambient Temperature : 55°C
- Bore : 105 mm
- Stroke : 127 mm
- Cycle : 4 Stroke
- Aspiration : Turbocharged
- Running speed : 1500 RPM
- Fuel Consumption :
 - 25% - 3.49 liters/hour
 - 50% - 5.83 liters/hour
 - 75% - 8.23 liters/hour
 - 100% - 10.80 liters/hour
- Type of governor : Electronic
- Type of Injection : Direct



Alternator Specifications

- Brand : Leroy Somer
- 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

Younes Bros s.a.r.l

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