

MODEL	JWR240GF	
Prime Power(50Hz)	240 KW	300 KVA
Standby Power(50Hz)	264 KW	330 KVA

### Standard Features

#### General Features:

- ◆ Engine (Ricardo J W 1 0 D 2 8 2 B )
- ◆ Radiator 40°C max, fans are driven by belt, with safety guard
- ◆ 24V charge alternator
- ◆ Alternator: single bearing alternator IP23, insulation class H/H
- ◆ Absorber
- ◆ Dry type air filter, fuel filter, oil filter
- ◆ Main line circuit breaker
- ◆ Standard control panel
- ◆ Batteries, rack and cable
- ◆ Ripple flex exhaust pipe, exhaust siphon, flange, muffler
- ◆ User manual



### Generator Ratings

Voltage(V)		Hz	Phase	P.F (cos $\phi$ )	Prime Amps (A)	Prime Ratings (KW/KVA)	
440	254	50	3	0.8	400.0	240	300
415	240	50	3	0.8	414.7	240	300
400	230	50	3	0.8	421.0	240	300
380	220	50	3	0.8	434.8	240	300

● Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97 (eqv ISO8528) ; A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

● Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

### Standard Features

Weifang Junwei Machinery Co., Ltd provides a full line of brand new and high quality products. Each and every generator is strictly factory tested. Warranty is according to our standard conditions : 1. 2 months, counted on the day Junwei Machinery sold to the first buyer ; 2. two year after installation ; 3. 2000 running hours (accumulated) subject to the earlier one. Service and parts are available from Junwei Machinery or distributors in your location.

# Ricardo Generator

JWR240GF

## Engine Data

Manufacturer / Model: Ricardo J W 1 0 D 2 8 2 B , 4-stroke  
Air Intake System: Turbocharged  
Type: Four-stroke、 Direct injection、 6 Cylinders、 Wet cylinder、 Water cooling  
Cylinder Type: Water-cooled cylinder liner  
Start mode: Electric starting  
Cooling mode: Closed water cooling  
Displacement: 11.9  
Bore and Stroke: 126\*155(mm)  
Compression Ratio: 16:1 Rated  
RPM: 1500rpm  
Max. Standby Power: 308KW  
Governor Type: Electronic

## Exhaust system

Max Back Pressure: 10kPa

## Air Intake System

Max Intake Restriction: 5kPa

## Fuel System

100%( Prime Power) Load: 218g/kw.h

## Oil System

Total Oil Capacity: 26L

## Cooling System

Total Coolant Capacity: 45L

## Alternator Specification

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards.

## Alternator Data

Manufacturer: WEIFANG JUNWEI MACHINERY CO., LTD  
Number of Phase: 3  
Connecting Type: 3 phase and 4 wires, "Y" type connecting  
Number of bearing: 1

# Ricardo Generator

JWR240GF

Power factor: 0.8

Protection grade: IP23 option, upon request

Altitude :  $\leq 1000\text{m}$

Exciter type: Brushless, self-exciting

Insulation class: H

Telephone influence factor(TIF):  $\leq 50$

THF:  $\leq 2\%$

Alternator Capacity: 240KW/300KVA

Alternator Efficiencies: 85%

Air Cooling Flow:  $0.09\text{m}^3/\text{s}$

Adjusting rate of stable voltage:  $\pm 0.5\%$

## Generating Set Data

Voltage Regulation:  $\geq \pm 5\%$

Voltage Regulation, Stead State:  $\leq \pm 1\%$

Sudden Voltage Warp:  $\leq +20\%$

Sudden Voltage Warp:  $\leq -15\%$

Voltage Stable Time:  $\leq 5\text{S}$

Voltage unbalance:  $\leq 1\%$

Frequency Regulation, Stead State:  $\leq 5\%$

Frequency Waving:  $\leq 0.5\%$

Sudden Frequency Warp:  $\leq +10\%$

Transient frequency deviation:  $\leq -7\%$

Frequency Recovery Time:  $\leq 3\text{S}$

## Standard Features

◆ Standard Auto Control System

◆ Starting batteries

◆ Exhaust System

◆ MCCB

◆ Battery switch

◆ Shock pad

◆ Special tool

◆ Oil Drain Valve

◆ Documents

## Options

Engine: ◇ Engine Heater

Alternator: ◇ Alternator Heater

Electrical System: ◇ Remote Control Panel

Type: ◇ Rainproof Type

Other: ◇ Spare Parts

◇ Battery Charger

◇ PMG

◇ Automatic Transfer Switch

◇ Soundproof Type

◇ Daily Fuel Tank

◇ Air preheater

◇ Paralleling System

◇ Trailer Type

# Ricardo Generator

JWR240GF

## Dimension & Weight

### Open Type

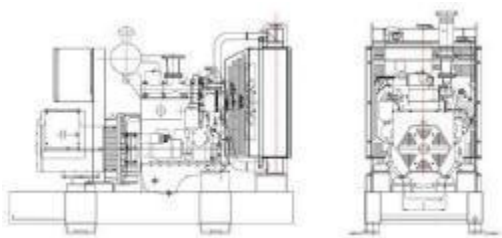
Overall Size: 3000(mm) × 1000 (mm) × 1800 (mm)

Weight: 3000kg

### Soundproof Type

Overall Size: 4130 (mm) × 1300 (mm) × 1950

(mm) Weight: 3800kg



## Standard Control Panel



Weifang Junwei Machinery Co., Ltd uses micro processing technique integrating digital, intelligent and network techniques which can carry out functions including auto start/stop, data measure, alarming. The controller uses Smartgen LCD display, optional Chinese and English/ Russian/ Spanish display interface with operation easy and reliable. It can be widely used in all types of generator automatic control system for compact structure, advanced circuits, simple connections and high reliability.

## Typical Projects

