



## KGE280EW



## Features

### **One Unit, Dual Function**

KIPOR original technology gives birth to such an advanced product with dual functions-welding & generating, which brings more economical products for the consumer.

### **Simultaneous Use**

Generating and welding can be operated simultaneously, while welding operation won't impact an influence on the waveform and voltage of the generating operation.

### **Perfect Welding**

The unit can achieve perfect waveform of the welding voltage by utilizing IGBT and PWM technology. Non-fluctuating welding current realizes high quality welding operation.

### **Excellent Electricity**

New Automatic Voltage Regulator (AVR) and damper winding further enhance the electricity performance with extremely low voltage regulation and minimum waveform distortion

### **Easy Maneuver Ability**

Lightweight and compact design improves on-site maneuverability and save a lot of storage space. And its four durable castors are helpful to its easy transportation

### **Wide Application**

The welding arc is super smooth to get the perfect welding quality in all kinds of the applications. Furthermore, its welding current regulation is wide enough to suit most of welding rods.

<b>KGE280EW</b>	
<b>Model</b>	<b>KGE280EW</b>
Rated frequency (Hz)	50 60
Rated power(kW)	5 5
Rated voltage(V)	115/230 120/240
Rated current(A)	43.5/21.7 41.7/20.8
Rated speed (r/min)	3000 3600
Phase No.	Single phase
Power factor(cosφ)	1
Rated welding voltage(V)	70-75
Rated welding current(A)	250
Welding voltage(V)	25-30
Welding load continuous ratio	60%
Welding current adjustment range(A)	50-280
Electrode diameter(mm)	2.0-6.0
Excitation mode	Self-excitation and constant voltage(AVR)
Rectifying mode	Three-phase rectifying bridge+IGBT(PWM)
Connection mode	Drive bearing, rigid connection
Insulation grade	B
Pole number	2
Engine Model	KG690GW
Engine Type	Two-cylinder, V-twin, four-stroke, air-cooled, OHC, gasoline engine
Bore×stroke (mm)	2-78×72
Displacement (ml)	0.688
Compression ratio	8.5:1

<b>Rated power[Kw(r/min)]</b>	12 14
<b>Lubrication system</b>	Pressure splashed
<b>Lube oil brand</b>	CD grade or SAE10W-30 , 15W-40
<b>Lub capacity(L)</b>	1.3
<b>Starting system</b>	12V Electric starter
<b>Battery capacity(V-Ah)</b>	12V-36Ah
<b>Fuel type</b>	Automotive unlead gasoline
<b>Fuel consumption(g/kW.hr)</b>	≤500
<b>Fuel tank capacity(L)</b>	25
<b>Continous running time(hr)(rated output)</b>	5
<b>Overall dimension ( L×W×H ) (mm)</b>	910X600X760(with wheel)
<b>Dry weight(kg)</b>	190
<b>Noise level(zero load-full load)[dB(A)/7m]</b>	78
<b>Structure type</b>	Open frame