



## KDE20SS3



## Features

### **More Powerful Performance**

KIPOR exclusive technology provides greater motor starting capability for large loads such as central air conditioners while still running other home appliances and electronics.

### **Automatic, Hands-off Operation**

In the event of a utility power outage, automatically the generator automatically starts to restore power to the home, whether you're home or away.

Digital Electronic IsoChronous Governor

### **Safer Power for Sensitive Electronics**

KIPOR residential generators protect all of your valuable appliances and sophisticated electronics with cleaner, safe and stable power

Digital Voltage Regulator

### **Easier Service and Installation**

KIPOR new easy-connection terminal block provides faster, flexible installations.

LED Display Provides Diagnostic Capability

### **Quieter Operation**

Sound enclosure maintains neighborhood solitude whether you are in self-test or full operation mode

### **Meets Environmental**

Protection Agency (EPA) nonstationary unit requirements

### **Faster Response**

While many competitive products can leave you in the dark for 25 seconds or more during an outage, KIPOR generators restore power in as little as 10 seconds.

- Advanced Digital Control

- More sophisticated diagnostic self-test

<b>KDE20SS3</b>	
<b>Model</b>	<b>KDE20SS3</b>
Rated frequency(Hz)	50 60
Rated output(kVA)	17 20
Max.output(kVA)	18.5 22
Rated voltage(V)	230/400 240/416
Rated current(A)	24.5 27.8
Rated speed(r/min)	1500 1800
Generator model	KFS20
Pole No.	4
Loop mode	Three-phase, four-line, Y-connection
Excitation mode	Brushless self- excitation and constant voltage(AVR)
Power factor(cosΦ)	0.8(lag)
Insulation grade	H
Engine model	KD488G
Engine type	Four-cylinder, in-lined, four-stroke, direct injection, water-cooled
BoreXstroke(mm)	88X90
Total displacement(L)	2.19
Compression ratio	18.2:1
Rated power(kW)	16.4 19.6
Cooling water capacity(engine)(L)	6
Radiator tank(L)	3.7
Lubricating system	Pressure splashed
Lube oil brand	SAE10W-30,15W- 40(above CD grade)
Lube oil capacity(L)	8.5
Starting system	12V Electric starter
Starting motor capacity(V-kW)	12V 1.4kW
Charging generator capacity(V-A)	12V 15A
Battery capacityXNo.(V-Ah)	12V 65AhX1

<b>Fuel type</b>	0#(summer), - 10#(winter), - 35#(chillness)diesel
<b>Fuel consumption(g/kW.h)</b>	≤320
<b>Panel type</b>	Digital panel
<b>Output voltage(V)</b>	400/230 416/240
<b>Receptacle</b>	Two single-phase receptacles
<b>Connection pole</b>	Available
<b>Noise level(zero load- full load)[dB(A)/7m]</b>	51 53
<b>Structure type</b>	Ultra silent
<b>Fuel tank capacity(L)</b>	65
<b>Continous running time(hr)</b>	10 8.5
<b>Overall dimension(LXWXH)(mm)</b>	1570X780X1050
<b>Dry weight(kg)</b>	720