



## KDE6500X3



## Features

### **Strong Power**

All generator sets are equipped with KIPOR four-stroke engines.

### **Low Noise Running**

High effective combustion system ensures complete combustion, Besides, a large silencer dampens exhaust noise and engine sounds which are contained by a double-wall structure and absorbed by a liner.

### **Digital Control Panel**

All the control units of the generator sets are on one panel, a monitor of the panel will display the real-time working data of the generator set such as its output voltage and current etc.

Besides, the running trouble of the generator will also be displayed on the panel.

### **Low Oil Alarm System**

Before the oil level drops to the limited level, the generator set will stop automatically. The whole set can be restarted only if the oil is refilled.

### **Application of New AVR**

The AVR (Automatic Voltage Regulator) not only can smooth the output but also can provide reasonable protection against the overload of the whole set, thus avoid damage to the set.

### **Advanced Alternator Winding**

Waveform distortion is kept at a minimum level and the output is stable. The winding design protects the generator from short circuits and provides a stable output while running inductive loads.

### **ATS (Automatic Transfer Switch)**

On the inheriting of the original general-purpose generator set, KIPOR diesel generator sets with digital control panel can be equipped with a made ATS(automatic transfer switch). ATS, in its preset intervals, can automatically check and monitor the running of the genset to ensure the genset in good working condition. Meanwhile, ATS will monitor the utility power, if utility power fails or the voltage and frequency of the utility power become abnormal, ATS will give commands to start the genset automatically.

<b>KDE6500X3</b>	
<b>Model</b>	<b>KDE6500X3</b>
Rated frequency (Hz)	50 60
Rated output (kVA)	5.5 6.3
Max. output (kVA)	6 7
Rated Voltage (V)	230/400 240/416
Rated current (A)	7.9 8.7
Rated rotation speed (r/min)	3000 3600
Phase NO.	Three-phase
Power factor (Cos $\Phi$ )	0.8(lag)
Insulation Grade	B
Pole number	2
Excitation mode	Self-excitation & constant voltage (AVR)
Panel Type	General Panel
Voltage (V)	230/400 240/416
Receptacle	One single-phase and one three-phase receptacles
Connection pole	Without
DC12V output	Without
Overall dimension ( LxWxH ) (mm)	720X492X655
Dry weight(kg)	95
Working assorting weight (Kg)	110
Noise level ( 7m ) dB(A)	79
Structure type	Open frame
Engine Model	KM186FAG
Engine Type	Single cylinder, vertical, four-stroke, direct injection
Cylinder NO.-borexstroke (mm)	1-86x72
Displacement (ml)	418
Rated power [KW/(r/min)]	5.7/3000 6.3/3600
Compression ratio	19:01

<b>Rated rotation speed (r/min)</b>	3000 3600
<b>Combustion system</b>	—
<b>Cooling system</b>	Air cooled
<b>Lubrication system</b>	Pressure splashed
<b>Starting system</b>	Recoil starter
<b>Fuel type</b>	0 # ( summer ) - 10 # ( winter ) - 35 # ( chillness ) diesel
<b>Lube oil brand</b>	CD grade or SAE10W-30 , 15W-40
<b>Capacity of cooling water (L)</b>	Without
<b>Lube capacity (L)</b>	1.65
<b>Starting motor capacity (V-kW)</b>	12V 0.8kW
<b>Charging generator capacity (V-A)</b>	12V 3A
<b>Battery capacity (V-Ah)</b>	12V 36Ah
<b>Fuel consumption (g/kW.h)</b>	≤360
<b>Fuel tank capacity (L)</b>	13.5
<b>Continuous running time (hr)</b>	6