



## KDE19EA



## Features

### **Unique & compact structure**

The generator set has a compact and unique design. The exhaust is ducted out from the top cover facilitating installation.

The layout of the oil and coolant inlet has been redesigned to permit easier access for service.

### **Digital control panel**

The DC generators can be paralleled together with two or more, without limitation on model or number.

Appropriate

power capacity and number of paralleling units can be selected to meet different loads.

### **High quality power output**

The improved AVR (Automatic Voltage Regulator) limits voltage fluctuation to a very low level and ensures smooth and steady output. Additionally, the AVR features built-in overload protection and will automatically shut off the output at 110% of rated load.

### **Competitive economic advantage**

The high efficiency combustion system is designed to reduce fuel consumption and operation costs.

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

ATS continually monitors utility power and voltage/frequency fall below acceptable levels. It commands the generator

to start automatically and connect generator power to the intended load. Once proper utility power is restored, the ATS

stops the generator and reconnects utility power. The ATS has been designed to be installed either inside or outside

the generator set.

<b>KDE19EA</b>	
<b>Model</b>	<b>KDE19EA</b>
Rated frequency(HZ)	50 60
Rated output(kW)	14.4 17
Max.output(kVA)	16.7 18.7
Rated voltage(V)	115/230 120/240
Rated current(A)	125/62.6 142/70.8
Rated speed(r/min)	3000 3600
Generator model	KT19
Pole No.	2
Loop mode	Single-phase three-line
Excitation mode	Self-excitation and constant voltage(AVR)
Power factor(cosΦ)	0.9(Lag)
Insulation grade	F
Engine model	KD376AG
Engine type	three-cylinder, in-lined, four-stroke, swirl chamber, water-cooled
BoreXstroke(mm)	76X77
Total displacement(L)	1.048
Compression ratio	21.5:1
Rated power(kW)	15.3 17.5
Cooling water capacity(engine)(L)	1
Radiator tank(L)	5
Lubricating system	Pressure splashed
Lube oil brand	SAE10W-30,15W-40(above CD grade)
Lube oil capacity(L)	4.8
Starting system	12V Electric starter
Starting motor capacity(V-kW)	12V 1.4kW
Charging generator capacity(V-A)	14V 25A
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>	Smart panel
<b>Output voltage(V)</b>	115/230 120/240
<b>Receptacle</b>	Two single-phase receptacles
<b>Connection pole</b>	Available
<b>Noise level(zero load- full load)[dB(A)/7m]</b>	90
<b>Structure type</b>	Open frame
<b>Fuel tank capacity(L)</b>	38
<b>Continous running time(hr)</b>	7 6
<b>Overall dimension(LXWXH)(mm)</b>	1210X650X765
<b>Net weight(kg)</b>	320
<b>Fuel consumption (g/kW.h)</b>	≤360
<b>Fuel tank capacity (L)</b>	13.5
<b>Continuous running time (hr)</b>	6