



KDE19EA3



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.

KDE19EA3	
Model	KDE19EA3
Rated frequency(HZ)	50 60
Rated output(kW)	16.25 19
Max.output(kVA)	18.75 21
Rated voltage(V)	230/400 240/416
Rated current(A)	23.5 26.4
Rated speed(r/min)	3000 3600
Generator model	KTS19
Pole No.	2
Loop mode	Three-phase, four-line, Y-connection
Excitation mode	Self-excitation and constant voltage(AVR)
Power factor(cosΦ)	0.8(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
Fuel type	0#(summer), - 10#(winter),- 35#(chillness)diesel
Fuel consumption(g/kW.h)	≤320
Panel type	Smart panel
Output voltage(V)	230/400 240/416
Receptacle	Two single-phase receptacles
Connection pole	Available
Noise level(zero load- full load)[dB(A)/7m]	90
Structure type	Open frame
Fuel tank capacity(L)	38
Continous running time(hr)	7 6
Overall dimension(LXWXH)(mm)	1210X650X765
Net weight(L)	320