



KDE40ST3



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.

Low Noise Running

The Kipor super silent generator series offer unparalleled low noise levels. Kipor applies a unique double air inlet and

outlet design. The generator is equipped with a built-in large sound attenuating muffler and additional sound insulation

liners to limit noise.

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.

KDE40ST3	
Model	KDE40S3
Rated frequency(HZ)	50
Rated output(kW)	38
Max.output(kVA)	40
Rated voltage(V)	230/400
Rated current(A)	54.8
Rated speed(r/min)	3000
Generator model	KFS45-2P
Pole No.	2
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	KD493G-1
Engine type	Four-cylinder, in-lined, four-stroke, direct injection, water-cooled
BoreXstroke(mm)	93X102
Total displacement(L)	2.771
Compression ratio	18.2:1
Rated power(kW)	40
Cooling water capacity(engine)(L)	3.9
Radiator tank(L)	8
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 2.8kW
Charging generator capacity(V-A)	12V 50A
Battery capacityXNo.(V-Ah)	12V 80Ah

Fuel type	0#(summer), - 10#(winter), - 35#(chillness)diesel
Fuel consumption(g/kW.h)	≤300
Panel type	Digital panel
Output voltage(V)	230/400
Receptacle	Two single-phase receptacles
Connection pole	Available
Noise level(zero load- full load)[dB(A)/7m]	65
Structure type	Super silent
Fuel tank capacity(L)	95
Continous running time(hr)	7
Overall dimension(LXWXH)(mm)	1900X950X1200
Net weight(kg)	985