

# Single Phase Generator 18

18 (kVA) 50HZ 1500RPM



## DESIGN FEATURES

### Quiet Operation

Original sound-proofing technology reduces the noise level to under 65dB(7m). These generators are classified as super Low Noise Construction Machine according to the standards issued by the Japanese Ministry of Construction.

### Low-Cost Operation

The 4-pole generator design enables use of economical low engine speeds within the 1,500 to 1,800 rpm range. The efficient generator with 4-cycle diesel engine further reduces fuel consumptions.

### Lightweight and Compact

New style and design make the generators lighter in weight and compact, compared to previous models. Ideal usages include ambulances, remote telecast vans and as a back-up power supply for computer systems.

### Breather System Engines

As the Breather System engine does not exhaust blow-by gas, the inside of the generator always keeps clean.

### Automatic Fuel Bleeder Device

Just turn the starter switch on, and it releases air from the fuel automatically. It will neither taint the inside of the machine nor the operator's hand.

### Smooth Fuel Filling System

(DCA-XY Vehicle Mount series)  
A mechanical pump on vehicle models enables a dependable, easy replenishment of the generator fuel supply from the vehicle's fuel tank.

### Voltage Variation Less Than $\pm 1.0\%$

A unique high-performance Denyo automatic voltage regulator maintains superb output stability by keeping voltage variation to under  $\pm 1.0\%$ .

### In-Built Convenience

A standard "emergency stop device" will shut down the generator automatically when a malfunction is detected and in addition, an "in-built breaker" protects the generator from overloads (The warning light for models up to and including DCA-15ESX will illuminate when Low Oil Pressure, High Water Temperature and Insufficient charging are detected. The OK monitor used in DCA-18ESX and higher models will illuminate when Low Fuel Level, Dust and other Foreign Particles inside the Unit, Low Oil Pressure and High Water Temperature are detected) An optional "earth leakage relay" reduces the risk of the user been electrocuted.

### Minimal Waveform Distortion

A damper coil and generator design refinements keep waveform distortion to negligible levels, even under SCR and compact X-ray unit loads.

## SPECIFICATIONS

### Generator

Frequency	50/60 Hz
Output	14/18 kVA
Voltage	50Hz: 100/200 - 110/220 V 60Hz: 100/200 - 120/240 V
Rotating Speed	1500/1800 rpm
Power Factor	1.0
No. of Phase	Single Phase (3 Wire type)
Rating	Continuous
Excitation	Brushless (withAVR)
No. of Poles	4

### Diesel Engine

Model	ISUZU AA-4LE2
Type	Inlined, Direct Injected
No. of Cylinders, Bore Stroke	4-85 x 96 mm
Piston Displacement	2.197 L
Rated Output	26/1500 - 32/1800 PS/rpm 19.1/1500 - 23.5/1800 KW/min <sup>-1</sup>

Battery x Quantity	80D26R x 1
Fuel	Diesel Fuel
Fuel Tank Capacity	70 L
Fuel Consumption	3.0/3.8L/h

### Dimensions

Length	1540 mm
Width	680 mm
Height	900 mm
Dry Weight	564 kg
Sound Level	59/60 7mdB(A) <sup>*6</sup>