

Prime Fixed Generator 450

500 (kVA) 50HZ 1500RPM



SPECIFICATIONS

ALTERNATOR

Frequency	50 (Hz)
Output Rating	Prime 450 (kVA) Standby 495 (kVA)
No. of Phases	Three Phase, 4 - Wire
Rated Voltage (V)	190/240
Power Factor	0.8
Excitation	Within +0.5% Brushless, Rotating Exciter (With A.V.R)
Insulation	Class F

DIESEL ENGINE

Make & Model	KOMATSU SA6D170-B
Type	Inlined, Direct Injected, Turbo Charged, After Cooled
Rated Output	382/1500 kW/imn ⁻¹
No. of Cylinders	6
Bores x Strokes	170 x 170mm
Displacement	23.15L
Fuel	Diesel Fuel
Fuel Tank Capacity	490 L
Fuel Consumption	69.5 L/h
Lube Oil Sump Cap	119L
Coolant Capacity	92.5L
Battery Capacity	190 H52x2 V-Ah

UNIT

Length/width/height	5000 x 1650x 2400
Dry Weight (kg)	8540

SOUND LEVEL

7m @ 1500rpm	68dB
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GENERAL

The DCA series generators are complete, stand alone generating sets. All models consist of an alternator which is directly coupled to a diesel engine. The alternator and engine are set on a common skid base. Special Vibration isolators are used to minimize vibrations during operation. The generator and electrical components are fully enclosed in a solid steel, weatherproof canopy. Noise suppression is achieved by using highly effective sound insulation materials.

50HZ/60HZ OPERATION

The DCA series can be operated at either 50Hz or 60Hz by simply adjusting the engine speed using the throttle control knob on the control panel.

AUTO FUEL AIR EXTRACTOR

Air trapped in the fuel system can be troublesome. However, with the DCA series, fuel air extraction is Automatically performed by simply operating the starter switch, without the need for tools or devices. There is no soiling of the machines interior or the operators hands and the outflow of fuel to the machines exterior is prevented. The machine will start after the engine is turned over a few times.

EXTREMELY QUIET OPERATION

In urban areas and at the worksite, there is an ever increasing demand for reduced noise. The DCA series generators are extremely quiet when operating at full load.

CLEAN ENGINES

The engines used in these generators meet all Californian Atmospheric Pollution standards, which is one of the worlds most stringent antipollution standards. This is achieved by using a PCV purge control valve system. Therefore, these engines do not discharge blow-by gas to the outside, which keeps the interior of the machine cleaner and the exhaust emissions are minimized