



## Specifications

### GENERATOR

Generator Type	Brushless 3-Phase Synchronous		Winding	3-Phase, 4-Wire
Rated Frequency	Hz	50      60	Power Factor	% 80
Rated Output	kVA	80      100	Insulation Class	F
	kW	64      80	Excitation	Self-Excitation (Brushless)
Rated Voltage	V	400      440	Number of Poles	4

### UNIT

Length	mm	2750	Dry Weight	kg	1770
Width	mm	1000	Installed Weight	kg	2010
Height	mm	1400	Sound Level dB(A) @7m distance/No load	50Hz      60Hz	59      61

### ENGINE

Model	ISUZU DD-6BG1T		Lubricant Oil Type	Class CD or better, SAE10W-30
Types	4-cycle, water-cooled, direct injection type		Lubricant Oil Capacity (L)	22 (Effective 8)
Air Induction System	Exhaust Turbocharger		Lubricant Oil Consumption (L/h)	0.03 (observed value)
Number of Cylinder	6		Coolant Capacity (L)	23
Bore x Stroke (mm)	105 x 125		Battery	95D31R x 2
Displacement (L)	6.494		Fuel Tank Capacity (L)	219
Rated Output (kW)	73.1	91.2		
Rated Revolution Speed (min <sup>-1</sup> )	1500	1800		
Fuel	Diesel Fuel (ASTM D975 No.2-D)			
Fuel Consumption (L/hour @75% Load)	14.4	18.0		



**DG100MI-400**

**Control Panel**



1. Hour Meter
2. Pilot Lamp
3. Warning Indicators
4. Voltmeter
5. Ammeter
6. Frequency Meter
7. Circuit Breaker
8. Fuel Gauge
9. 400/440V Output Lamp
10. Over Load Pre-caution Lamp
11. Preheat Lamp
12. Earth Leakage Relay
13. Water Temperature Gauge
14. Voltage Regulator
15. Ammeter Selector
16. Starter Switch
17. Frequency Adjusting Screw
18. Throttle Lever

**Features**

**Socket for Industrial Use**



Socket for industrial use (IP44) is equipped as standard.  
 3-Phase round 4 pins (32A) x 1  
 1-Phase round 3 pins (15A) x 2

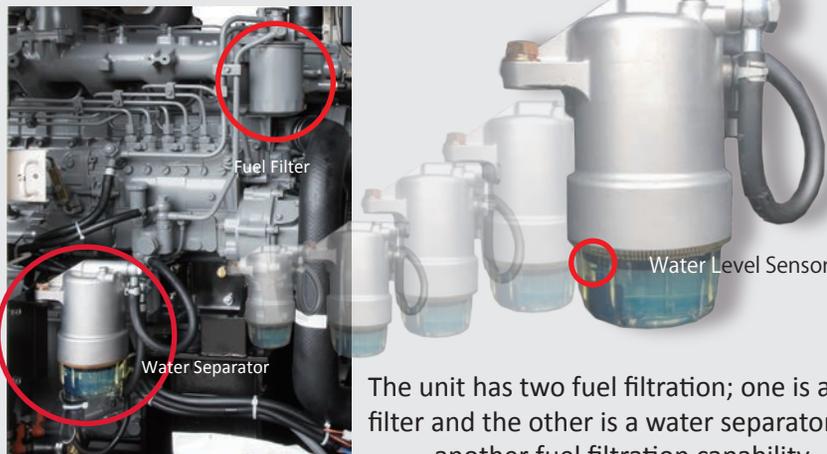
**Over Load Precaution Lamp**



3-phase output from R, S and T terminals are monitored. When the current from either of these terminals reaches 80% of the rated output, the warning lamp starts to flash to alert it.



**Double Fuel Filtration System**



The unit has two fuel filtration; one is a fuel filter and the other is a water separator with another fuel filtration capability. Contaminants harmful to the engine such as water, sand, and dust are removed to ensure longer engine life. A sensor inside the water separator monitors water level. A warning indicator on the control panel is lit when water drainage is required.



**Oil Drain**



Oil drain cock is factory-equipped.

**Reliable ISUZU Engine**

DG100MI-400 is equipped with ISUZU DD-6BG1T. As ISUZU service network covers the world, it offers extensive services, periodical inspection, and repair.

