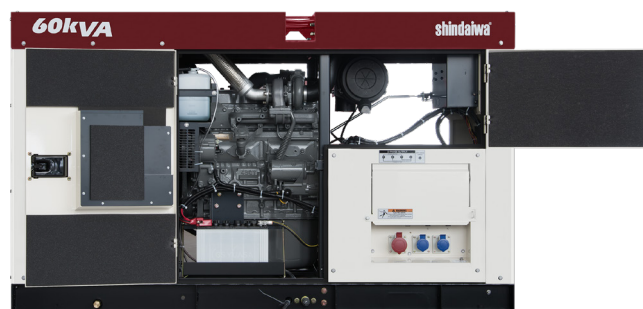


Diesel Engine Driven Generator

shindaiwa®



DG60MI-400



SPECIFICATIONS

(50 / 60Hz)

Model		DG60MI-400	
Alternator	Generating Type	Rotating Field, Brushless 3-Phase Synchronous Alternator	
	Rated Frequency (Hz)	50	60
	Rated Output (kVA / kW)	50 / 40	60 / 48
	Rated Voltage (V)	400 [200] ^{*1}	440 [220] ^{*1}
	Rated Current (A)	72 [144] ^{*1}	78.5 [157] ^{*1}
	3-Phase Receptacle Output (kVA)	22.2 / 23.0	
	1-Phase Receptacle Output (kW)	3.5x2 / 3.6x2	
	Winding	3-Phase, 4-Wire	
	Power Factor (%)	3-Phase 80, 1-Phase 100	
	Insulation Class	F	
	Excitation	Self-Excitation(Brushless)	
	No. of Poles	4	
Unit	Length (mm)	2090	
	Width (mm)	880	
	Height (mm)	1240	
	Dry Weight (kg)	1180	
	Installed Weight (kg)	1315	
	Sound Level(dB(A)) 7m Distance, No Load	59	62

*1: The values in brackets are optional data, when modified to 200/220V by the dealers only.
As default 3-phase output is set at 400/440V, contact your authorized distributor to adjust the terminal lug setting if necessary to obtain 200/220V for 3-phase output.

Powered by
ISUZU

(50 / 60Hz)

Model			DG60MI-400	
Engine	Model		ISUZU 4BG1T	
	Type		Vertical, Water-Cooled 4-Cycle Diesel Engine	
	No. of Cylinders (Bore x Stroke)(mm)		4 (105 x 125)	
	Continuous Rated Output (kW / PS)		48.3 / 65.7	57.8 / 78.6
	Rated Speed (min ⁻¹)		1500	1800
	Displacement (L)		4.329	
	Combustion System		Direct Fuel Injection with Turbo Charger	
	Cooling Method		Radiator	
	Lubricating Method		Forced Lubrication	
	Starting Method		Electric Start	
	Fuel		Diesel Fuel (ASTM No. 2-D)	
	Fuel Consumption (L/h)	50% Load	5.9	7.2
		75% Load	8.3	10.2
	Lubricant Oil		CD Class	
	Fuel Tank Capacity (L)		125	
	Lubricant Volume (Full)		13.2	
	Cooling Water Volume (L)		15.4	
Starting Motor Capacity (V-kW)		12 - 2.5		
Charging Dynamo Capacity (V-A)		12 - 35		
Battery		95D31R		

Diesel Engine Driven Generator

DG60MI-400

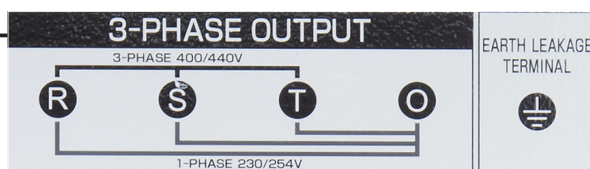
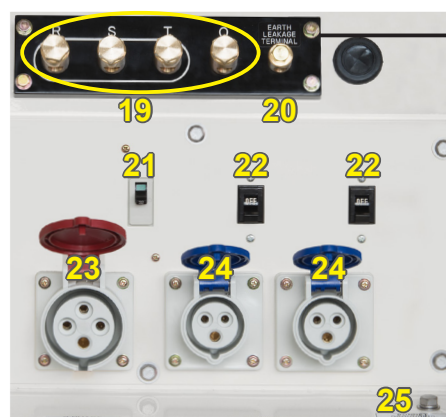
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CONTROL PANEL



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

AC Output Panel



19. 3-Phase Output Terminal
20. Earth Leakage Terminal
21. 3-Phase Breaker (32A)
22. 1-Phase Breaker (15A)
23. 3-Phase Receptacle (IP44)
24. 1-Phase Receptacle (IP44)
25. Bonnet Grounding Terminal

FEATURES

Overload precaution lamp

The warning lamp begins to flash when the output current exceeds 80% of the rated capacity, alerting the user to potential overload.

Low noise

Minimal operating noise with a top-class low noise level. Ideal for communication and reducing worker fatigue at worksites.

Dual fuel filtration

A fuel filter and a water separator with enhanced removal capability—effectively eliminating water, sand, and dust to reduce maintenance needs.

Robust alternator

In-house designed and manufactured brushless alternator ensures reliable performance, even in sandy, dusty, and extreme heat condition.

Reliable engine **Powered by ISUZU**

ISUZU 4BG1T is a turbocharged diesel engine known for its strong performance, reliability, and efficiency in demanding industrial applications.

Phase Overload Protection

Current detection is performed on all three phases: R, S, and T - enabling overcurrent protection for R-O, S-O, T-O, and even S-T outputs. This ensures reliable protection regardless of where the load is connected in the three-phase system.