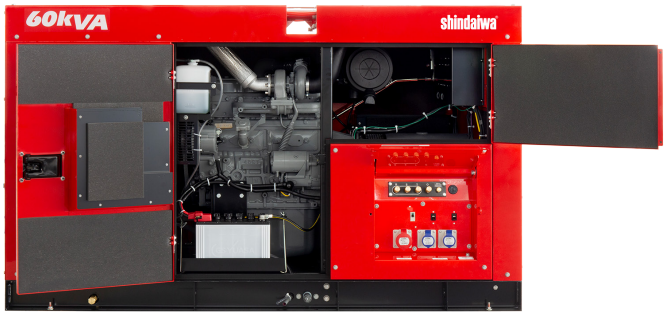
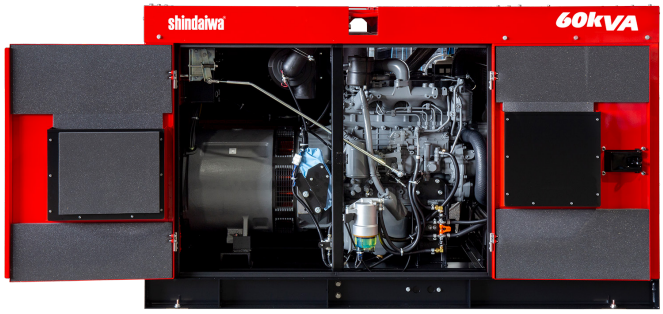
Diesel Engine Driven Generator

shindaiwa®

DG60MI-400M/R

3 YEAR WARRANTY





LOW NOISE

SWITCHABLE 50/60 Hz

SPECIFICATIONS

(50 / 60Hz)

	Model	DG60MI-400M/R	
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-400M/R	
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 (L)		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	

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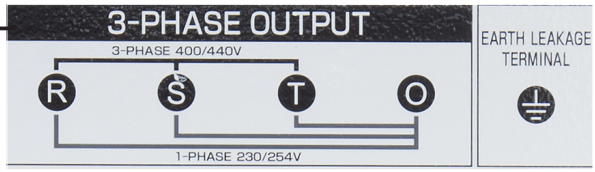
shindaiwa®

CONTROL PANEL

1. Circuit Breaker
2. Earth Leakage Relay
3. Voltage Regulator
4. Power Switch
5. Controller
6. Stop Mode Button
7. Manual Mode Button
8. Auto Mode Button
9. Lamp Test / Air Bleeding Button
10. Start Button
11. Hour Meter
12. Frequency Adjust Screw

AC Output Panel



13. 3-Phase Output Terminal
14. Earth Leakage Terminal
15. 3-Phase Breaker (32A)
16. 1-Phase Breaker (15A)
17. 3-Phase Receptacle (IP44)
18. 1-Phase Receptacle (IP44)
19. Bonnet Grounding Terminal

FEATURES

Overload precaution indicator
A warning appears on the operation display when the output current exceeds 80% of the rated capacity.

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.

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