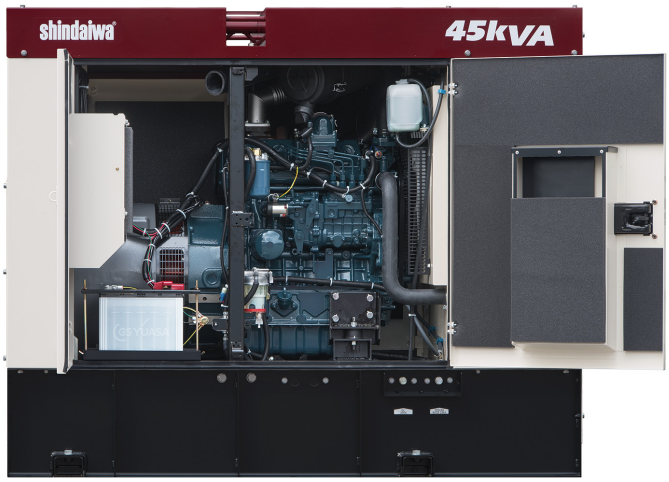
Diesel Engine Driven Generator

shindaiwa®

DG45MK-400

3 YEAR WARRANTY



LOW NOISE

SWITCHABLE 50/60 Hz

SPECIFICATIONS

(50 / 60Hz)

	Model	DG45MK-400	
Alternator	Generating Type	Rotating Field, Brushless 3-Phase Synchronous Alternator	
	Rated Frequency (Hz)	50	60
	Rated Output (kVA / kW)	37 / 29.6	45 / 36
	Rated Voltage (V)	400 [200]*1	440 [220]*1
	Rated Current (A)	53.4 [106.8]*1	59.0 [118.1]*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)	1750	
	Width (mm)	880	
	Height (mm)	1415	
	Dry Weight (kg)	1025	
	Installed Weight (kg)	1145	
	Sound Level(dB(A)) 7m Distance, No Load	55	57

*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 Kubota

(50 / 60Hz)

	Model		DG45MK-400	
Engine	Model		Kubota V3800DI-T	
	Type		Vertical, Water-Cooled 4-Cycle Diesel Engine	
	No. of Cylinders (Bore x Stroke)(mm)		4 (100 x 120)	
	Continuous Rated Output (kW / PS)		38.0 / 51.7	45.6 / 62.0
	Rated Speed (min^{-1})		1500	1800
	Displacement (L)		3.769	
	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	4.8	6.1
		75% Load	6.6	8.3
	Lubricant Oil		CF Class	
	Fuel Tank Capacity (L)		105	
	Lubricant Volume (Full)		13.2	
	Cooling Water Volume (L)		12.5	
	Starting Motor Capacity (V-kW)		12 - 2.5	
	Charging Dynamo Capacity (V-A)		12 - 30	
	Battery		80D26R	

YAMABIKO CORPORATION

All rights reserved

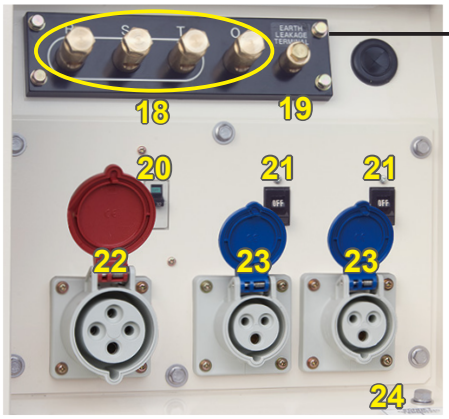
Diesel Engine Driven Generator
DG45MK-400

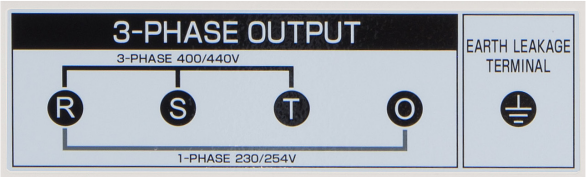
shindaiwa®

CONTROL PANEL

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

AC Output Panel





18. 3-Phase Output Terminal
19. Earth Leakage Terminal
20. 3-Phase Breaker (32A)
21. 1-Phase Breaker (15A)
22. 3-Phase Receptacle (IP44)
23. 1-Phase Receptacle (IP44)
24. 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.

High-capacity water separator
Designed with a capacity five times larger than conventional models for the Japanese market. The warning lamp activates when water accumulation exceeds 110ml.

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

Reliable engine
Powered by Kubota

Kubota V3800DI-T is a turbocharged diesel engine renowned for its durability, efficiency, and reliable performance in demanding environments.

Optional large fuel filter
The internal layout provides ample space for installing a large-capacity fuel filter, enhancing filtration efficiency and supporting extended operation in demanding conditions.

YAMABIKO CORPORATION
All rights reserved