

19 Biofuel Compatible Generator and Welder Models Announced

Yamabiko has completed verification tests for the use of biofuel (RD*) in accordance with the European standard EN15940 for 9 models of generators and 10 models of welding machines (19 models in total) equipped with Kubota engines. This is to promote carbon neutrality on construction sites. This means that biofuel (RD) can be used not only for newly purchased models, but also for existing models.

※RD=Renewable Diesel

In July last year, Yamabiko announced the first release of a concept model of the internally developed Shindaiwa RD (biofuel) power generator, followed by its first participation in a demonstration project* in Japan in December last year.

※February 6, 2024 Press release

Yamabiko's Biofuel Generator Takes Part in Japan's First Demonstration Project

<https://www.yamabikocorp.co.jp/news/detail/id=14584>

Then, in cooperation with Kubota Engine Japan Co., Ltd. and through further testing and verification, we confirmed compatibility with nine generator models ranging from 3kVA to 60kVA.



Product Category	Model Name	Feature
Diesel Generator	IDG3100M	Single Phase 100V. 3.1kVA class
Portable Diesel Generator	DGM80BMK	3-Phase 8kVA class. 3-Phase/Single Phase 3-wire Simul Phase
	DGM130MK	3-Phase13kVA class. 3-Phase/Single Phase 3-wire Simul Phase
	DGM150BMK	3-Phase15kVA class. 3-Phase/Single Phase 3-wire Simul Phase
	DGM150UMK	3-Phase15kVA class. 3-Phase/Single Phase 3-wire Simul Phase. Ultra low noise
	DGM25MKC	3-Phase25kVA class. 3-Phase/Single Phase 3-wire Simul Phase. CO2 emissions display
	DGM250MK	3-Phase25kVA class. 3-Phase/Single Phase 3-wire Simul Phase
	DGM450MK	3-Phase45kVA class. 3-Phase/Single Phase 3-wire Simul Phase
	DGM600MK	3-Phase60kVA class. 3-Phase/Single Phase 3-wire Simul Phase



Ten of shindaiwa welding machines, which have an established reputation in the field, are now compatible with the use of biofuel (RD).

The shindaiwa Hybrid Welder HDW310M-I, winner of last year's Energy Conservation Grand Prize, has already achieved a 60% reduction in greenhouse gas emissions over previous models.



Product Category	Model Name	Feature
Hybrid Welder	HDW310M	Welding current 310A class, 2023 Energy Conservation Winner
Diesel Welder	DGW201M	Welding current 200A class, Light design that can be loaded on a light truck, single welding
	DGW300M	Welding current 300A class, Can travel by light truck for installation, single welding
	DGW340M	Welding current 340A class, Spill containment integrated, single welding
	DGW4X2DM	Welding current 340A class, Welding rod $\Phi 4$ mm X dual welding
	DGW400DMC	Welding current 400A class, Welding rod $\Phi 4$ mm X dual welding
	DGW400MP	Welding current 400A class, Carbon dioxide gas welding machine with 5 functions in 1 machine, Multi Mighty
	DGW400DMD	Welding current 400A class, Non-gas self-shielded welding machine with 5 functions in 1 unit
	DGW500DM	Welding current 500A class, Non-gas self-shielded welding machine with 5 functions in 1 unit
TIG Welder	DGT300MC-W	Welding current 300A class, TIG welding machine with integrated spill containment

Yamabiko will continue to accelerate our contribution to carbon neutrality through all of our business activities.

■ About Biofuel (RD)

RD is a next-generation biofuel produced from waste cooking oil, waste animal oil, waste vegetable oil, and other raw materials that do not compete with food, and it reduces greenhouse gas emissions by about 90% compared with petroleum-based diesel oil on a lifecycle basis. It belongs to HVO (Hydrotreated Vegetable Oil) and is already widely used mainly in Europe and the U.S. In Japan, Itochu Enx has established a series of supply chains for the transportation and refueling of RD fuel in accordance with the European standard EN15940. Mixing RD fuel with other fuels is not permitted.