

POWERFUL WELDING IN COMPACT SIZE

shindaiwa[®]

DIESEL WELDERS



SMARTER IN EVERY WAY

The days of bulky, under-performing machines are gone.
Possess the power to weld efficiently like never before with Shindaiwa Diesel Welders.



DGW300M-MY

DGW500DM-415CC
with RealDual® Technology



Shindaiwa Stands for Reliability and Well-Built Quality

Made by Yamabiko Corporation in Japan, Shindaiwa Diesel Welders power all forms of welding works efficiently. Every machine is developed with productivity, quality and the people who will use it in mind. Together with over 50 years of Yamabiko's history and R&D excellence, this makes Shindaiwa Diesel Welders a product you can count on over the rest.



Compact & Mobile

Shindaiwa Diesel Welders are smaller and lighter, making it easily transported to another location with less manpower.



Fuel-Efficient

At maximum welding load and continuous operation for 12 hours, Shindaiwa Diesel Welders consume much lesser fuel per hour*.



Ultra Quiet

Shindaiwa's Ultra-Quiet Technology and specially-designed air dams lower operational noise to 57dB – preventing sound-related complaints and downtime.



Maximum Power

Powerful engine, efficient alternator – the combination gives you maximum electric power for smoother and more continuous welds.



Less Downtime

Enhanced heat resistance of the engine prevents overheating. With less downtime, complete your work faster.



All-Purpose

Suitable for all kinds of welding works, Shindaiwa Diesel Welders can also be used for gouging and as a source of electric power.

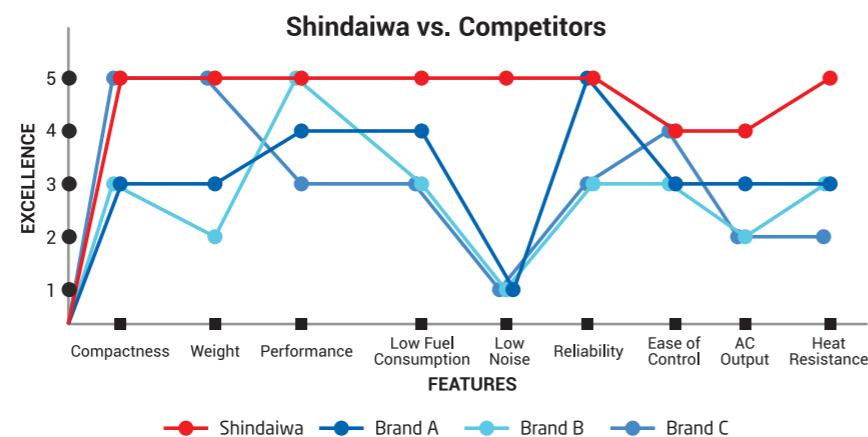
*Based on DGW500DM-415CC at rated output of 480A and 60% duty cycle.

WHY SHINDAIWA TOPS THE REST



A Technology Over 50 Years in the Making

Made in Japan and perfected over 50 years, the smart efficiency of Shindaiwa Diesel Welders come from its unique alternator. Together with the Kubota Engine, the pair is the source of crisp electric power for smoother and more continuous welds.

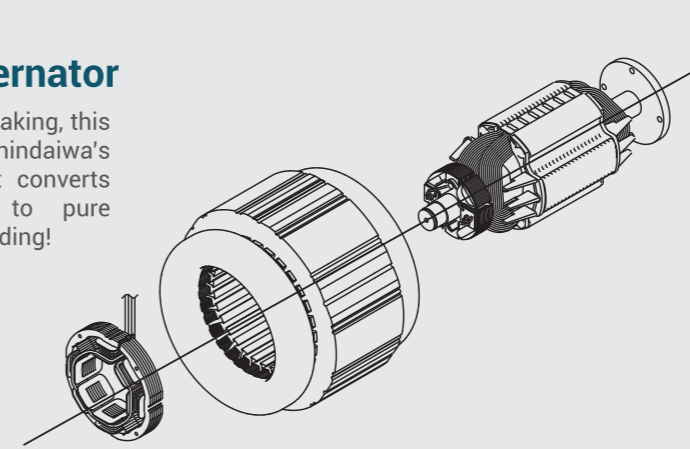


THE SOURCE OF SHIN POWER

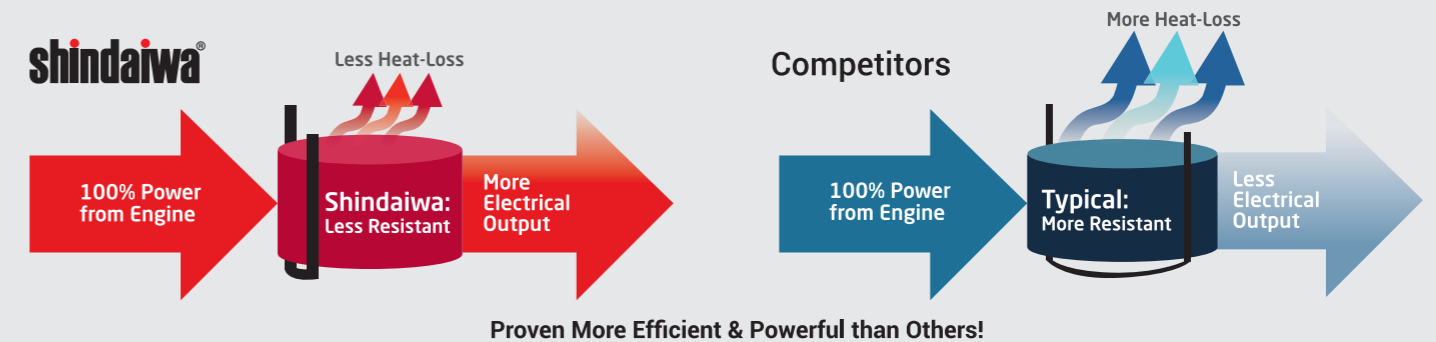
(SHIN means 'new' or 'advance' in Japanese)

Shindaiwa Signature Alternator

Over 50 years in the making, this is the source of Shindaiwa's amazing efficiency. It converts mechanical energy to pure electric for all your welding!



- Automated Coil Winding**
Maximises the number of turns for maximum force
- Winding Pitch**
Ensures durability
- Triple Layer Protective Varnish**
Protects the system from dust, moisture & extreme weather



Powered by Kubota Engine

Compact, quiet and highly-powerful, the Kubota water-cooled engine is an efficient performer. It outperforms other types of engines by reducing loss of power caused by heat radiation.



- Heavy-Duty**
Compact yet fully-capable of heavy, continuous use
- Power-Efficient**
Smoothly transfers energy to alternator
- Stable & Consistent**
Helps enhance stability in electrical outputs
- Quick Start-Up**
Its super glow system shortens pre-heat time for quicker engine start-up

Superior Controller

Shindaiwa uses a **Thyristor Controller**, which efficiently keeps electric voltages under control, stable and safe so you can carry on uninterrupted.

	Shindaiwa	Competitors
Controller	Thyristor	IGBT
Heat-Resistance	Strong	Sensitive
Parts Structure	Simple	Complicated
Parts Price	Less Expensive	More Expensive

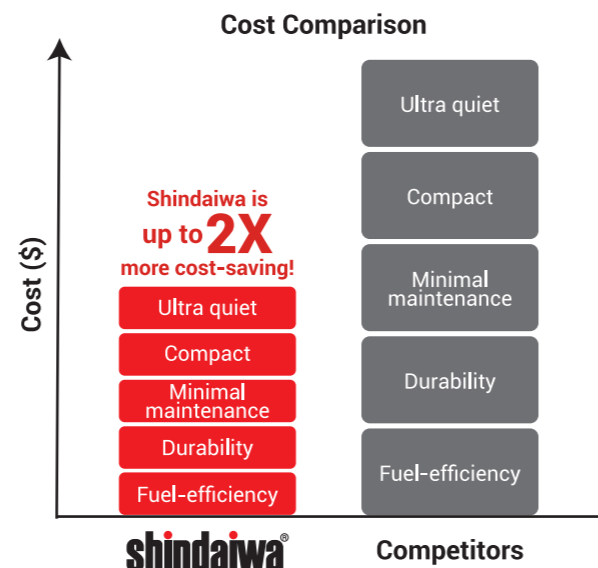
Shindaiwa Controls More Than Just Electric Power!



REAL COMPACT, REALLY QUIET

Shindaiwa Knows Cost Matters

Large and noisy machines are not just big on inconvenience – they are big cost-eaters too. That's why, Shindaiwa made it a point a long time ago to keep our machines as small and as quiet as they can be. Because we know – little details like size do matter when it comes to saving costs.



MORE COMPACT THAN ANY OTHER



Shindaiwa Diesel Welders are compact machines, with big impact on your total operational costs in many ways:



Save transportation costs
Machines can be easily transported on fewer trucks, hence reducing logistical costs.



Less manpower needed
Lighter and smaller equals to less manpower for handling and transfers!



Free more warehouse space
Save more storage space as Shindaiwa's compact size makes it possible to stack machines on top of each other.

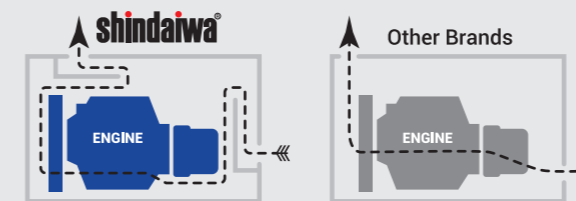


QUIETER THAN A VACUUM CLEANER

With Ultra-Quiet Technology and soundproof build materials, Shindaiwa Diesel Welders are 25% quieter than its competitors!

Ultra-Quiet Technology

Air dams in the machine absorb sound, which in turn reduces noise levels.



Cools Unit at the Same Time



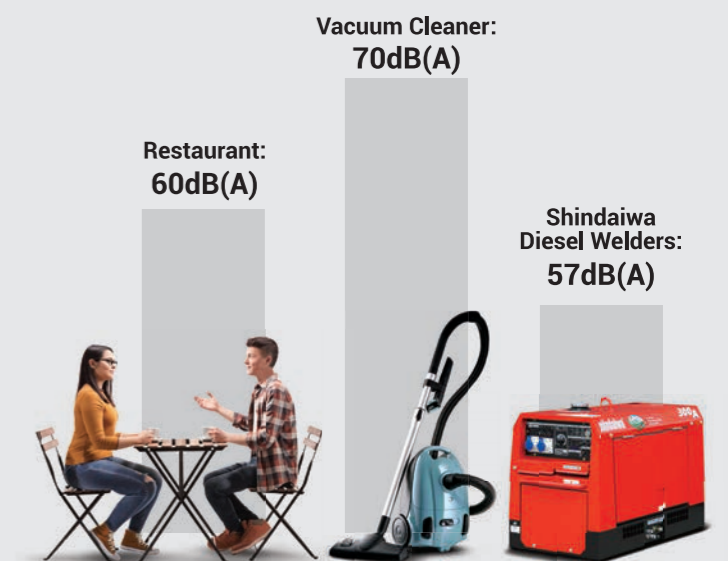
Suitable for Sound-Sensitive Areas



Avoid Complaints



Less Disruption to Worksite Communication



TWO CAN WELD WITH ONE

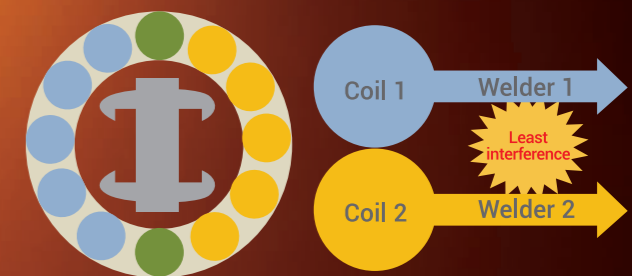
Maximise Efficiency with RealDual® Technology

Engineered from years of R&D, RealDual® is Shindaiwa's exclusive dual welding operation system. With just one machine, RealDual® allows two operators to weld at the same time. Now imagine how much cost and time you can save with double work efficiency everytime!



Equally Powerful for Two

Even with two operators welding simultaneously, RealDual® ensures equal power for each of its user. Instead of distributing power from one coil, RealDual® is made up of two independent welding outputs. They generate power separately, ensuring no power struggle or interference between each operator. Every operator welds as if they had one machine all to themselves. Now that's REAL smart!



Shindaiwa's Alternator

With Benefits for All



Less Downtime

The combination of a powerful engine and unique alternator results in highly efficient performance; minimising overheating and preventing any unpredictable downtime.



Highly Durable

The triple-varnished Shindaiwa alternator provides robust protection against sand, gravel, dust and small animals that may cause damage to the system.



Cost-Effective

Besides saving running costs from shorter project duration, it also helps to reduce running costs with fewer machines required.



Enhanced Safety

A built-in temperature sensor in the alternator prevents burnout by detecting unusual temperatures caused by current over-loading.

Power to Perform MULTIPLE TASKS

Even with its compact size, Shindaiwa Diesel Welders are capable of superior power generation – for welding-related works and even as an electrical source.



SHINDAIWA POWERS MORE



Construction



Fabrication



Repair &
Maintenance



Pipeline



Railroad



Mining



Offshore



And many more

Powerful Welding for MULTI-INDUSTRIES

From standard construction works to railroad repair, Shindaiwa Diesel Welders can be used for small to large-scale jobs across any industry.

*Applicable for DGW500DM-415CC model only.

SPECIFICATION SHEET



DGW300M-MY

Welding DC Generator

Rated Current (A)	260 / 280
Rated Voltage (V)	30.4 / 31.2
Duty Cycle (%)	50
Current Adj. Range (A)	30-280 / 30-300 (Eco Mode) 35-280 / 40-300 (Auto/High)
Welding Rod Capacity (mm)	Ø 2.6-6.0
No Load Voltage (OCV)	Max85

AC Generator

Rated Frequency (Hz)	50 / 60
Phase Options	Single Phase
Rated Output (kVA)	4.4 / 4.8
Rated Voltage (V)	200 / 220
Power Factor	1.0
Receptacles	11A x 2

Engine

Model	Kubota Z602
Engine Type	Vertical, Water-Cooled, 4 Cycle Diesel
Displacement (L)	0.599
Rated Output (kW/min)	12.5 / 3600 (gross intermittent)
Fuel Tank Capacity (L)	25

Dimensions & Weight

Overall Dimensions (mm)	1200(L) x 566(W) x 768(H)
Dry Weight (Kg)	270

Noise Level

Lowest @7m/idle	58dB(A)
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Also Equipped With:



Eco Feature
Optimises engine rotating speed in proportion to output voltage



Voltage Regulation Device



Preset Welding Current



Single Connection of Welding Remote Control



Max Open Circuit Voltage



CC/ECO Welding Mode



DGW500DM-415CC

Welding DC Generator

	CC Single	Dual
Rated Current (A)	480	230
Rated Voltage (V)	39.0	29.2
Duty Cycle (%)	60	80
Current Adj. Range (A)	60-500	30-280
Welding Rod Capacity (mm)	Ø 2.6-8.0	Ø 2.6-6.0
Gouging Rod (mm)	Ø 3.2-9.5	Ø 3.2-5.0
No Load Voltage (OCV)	Max85	

AC Generator

	50	50
Rated Frequency (Hz)	50	50
Phase Options	Single Phase	3-Phase
Rated Output (kVA)	10.8	15
Rated Voltage (V)	240	415
Power Factor	1.0	0.8
Receptacles	15A x 3	20A x 1

Engine

Model	Kubota V1505
Engine Type	Vertical, Water-Cooled, 4 Cycle Diesel
Displacement (L)	1.498
Rated Output (kW/min)	27.0 / 3600 (gross)
Fuel Tank Capacity (L)	63

Dimensions & Weight

Overall Dimensions (mm)	1680(L) x 700(W) x 950(H)
Dry Weight (Kg)	586

Noise Level

Lowest @7m/idle	57dB(A)
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Also Equipped With:



RealDual® Welding Mode



Emergency Stop Button



Arc Control
Easily adjust between soft and crisp arc strength



Preset Welding Current



Voltage Regulation Device



Hot Start
Easy arc start



Max Open Circuit Voltage



Dual Connection of Welding Remote Control



Leeden Sdn Bhd

Bringing Shindaiwa's Excellence to You

Since 1964, Leeden has been providing high-quality products in gas, welding and safety across multi-industries. Apart from being an exclusive distributor of Shindaiwa, Leeden is also an integration specialist, offering welding and safety solutions to the Oil & Gas, Metal Fabrication, Heavy Construction and other industries.

MORE THAN 50 YEARS OF EXPERTISE

Be it in sourcing for the highest quality products, assessing unique welding requirements, or providing recommendation of safety strategies, Leeden is backed by over 50 years of expertise and a strong network to help our customers arrive at the most effective solutions.

POWERING EXCELLENCE, ACROSS ASIA

With Singapore as our main headquarters, Leeden is powered by offices all across Asia. We have presence in Malaysia, Thailand, Indonesia, the Philippines, Saudi Arabia, China and Australia – of which exist to meet our customers' needs promptly, and drive Leeden to become the premier specialist in the region.



Exclusively distributed by:



Asia's Leading Integration Specialist for Welding & Safety

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