



Sound Proof Diesel Generator

Welders


shindaiwa[®]

Quality, Reliability, Performance



rail

Railways are the arteries of our society. They move vast numbers of people, livestock, products, and immense quantities of raw materials every day. Damaged or worn rails brings all that to a stop. But, with a Shindaiwa silenced welder on the job, track maintenance or new installation work can be fast, efficient and quiet in sound-sensitive areas. Ensuring precise control over current/voltage delivers optimized puddle performance to the most demanding standards for all root, fill and cap passes.



Welding pipe can happen just about anywhere – in the middle of a city, in the middle of a desert, or at the bottom of an ocean. Of course, when big pipes are involved, you'll be ready for our Dual continuous control. It assists you to tune your arc for the pipe, pass, position, conditions and even inside the pipe itself. That's when a powerful, reliable dual operator multi-control Shindaiwa welder really makes sense.

pipeline



Easy operator interface with 3 way switching in either Welding, Generating or simultaneous modes. Emergency stop and key lockable operation modes.



Preset Current and Voltage Control with easy to read digital output. 14-pin wire feeder, and 9-pin remote control connections.



A fully bonded mine-safe spill containment tank, along with easy access to the spill controls, keeps the worksite clean and safe. Standard on DGW420, and optional on other models.



Auxiliary IP66 rated 240V and 415V/50Hz power outlets with ELCB protection provide power for additional tools or site lighting, while protecting workers.



ECO offers flexibility, reduced noise, exhaust emissions and fuel reduction via its automatic idle control.



Lockable single-side service access with battery lockout. All components of the generator and diesel engine are readily accessible, and replacing filters and other consumables is simple. External drains are conveniently placed for easy access.

Shindaiwa's DGW Series welders can get the job done.

The Japanese designed and built DGW series welder is the professional choice for mining, construction, rail, pipeline, automotive and a host of other welding applications. The DGW series is a proven, quality investment that's rapidly becoming the preferred option for rental fleets, major contractors, and owners of capital equipment.

Thanks to Shindaiwa's Ultra Quiet technology, the compact DGW series works silently in restricted spaces, or noise sensitive environments. The engineered, sound absorbing and weatherproof canopy reduces noise levels down to 57dB(A)*, while still providing superior air flow and optimum engine cooling. A standard auxiliary power supply runs additional tools or lights. Factory fitted Voltage Reduction Devices (VRD), Real Dual operator modes and Earth Leakage Circuit Breaker (ELCB) protected 240/415V outputs up to 18kVA* keep workers safe.

Shindaiwa's ECO efficiency technology further reduces noise, along with fuel consumption, through continuous measurement of the weld cycle and operator requirements. Simply put, ECO controls the engine speed based on the required current to minimize noise levels and overall fuel consumption.

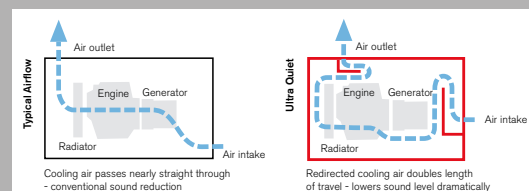
When you demand a rugged, reliable machine that keeps performing day in and day out, the Shindaiwa DGW SERIES has you covered.



Ultra-Quiet is a unique technology that minimises generator sound levels. An engineered enclosure, coupled with the use of specifically designed air

dams and noise absorbent insulated panels, redirects the cooling air. This doubles the distance air must travel through the enclosure, significantly reducing engine noise.

All Shindaiwa generator enclosures feature thicker panels – with special attention to the door panels, engineered sound absorbing foam and hardware. The result is lower sound levels as well as increased unit rigidity. A specially tuned muffler, plus the longer internal exhaust pipe achieve an improved balance of high and low noise frequencies.



WELDERS



| Welding Generator | | DGW201DM/ANZ | DGW300MS/ANZ |
|--------------------|-------|------------------|--------------|
| Rated current | A | 170 / 190 | 260 |
| Rated voltage | V | 26.8 / 27.6 | 30.4 |
| Duty cycle | % | 50 | 80 |
| Rated speed | min-1 | 3000 / 3600 | 3000 |
| No load voltage | V | Max 80 | Max 85 |
| Current adj. range | A | 60-180 / 50-200 | Eco 30-300 |
| | | Auto/High 35-300 | |
| Welding rod dia. | mm | 2.0 - 4.0 | 2.0 - 6.0 |

| AC Generator | | | |
|-----------------|-------|-------------|---------|
| Rated frequency | Hz | 50 / 60 | 50 |
| Rated speed | min-1 | 3000 / 3600 | 3000 |
| Phase | | 1 Phase | 1 Phase |
| Rated voltage | V | 240 | 240 |
| Power factor | | 1 | 1 |
| Rated output | kVA | 4.8 | 7.2 |
| Outputs | A | 1 x 20 | 2 x 15 |
| Rating | | Continuous | |

| Engine | | | |
|---------------------|-----|---|---------------------|
| Model | | Kubota Z482-B | Kubota D722 |
| Type | | Diesel, indirect injection, liquid cooled | |
| Number of cylinders | | 2 | 3 |
| Displacement | L | 0.479 | 0.719 |
| Rated output | kW | 7.8 / 9.2 | 11.7 |
| Rated speed | RPM | 3000 / 3600 | 3000 |
| Emissions rating | | Tier 3 ¹ | - |
| Lubricant capacity | L | 2.05 | 3.0 (effective 1.4) |
| Starting method | | 12V Electric start | |
| Battery | | 44B19L | 46B24L |

| Dimensions and weight | | | |
|-----------------------|-------|-----------------|---------------------|
| Dimensions (LxWxH) | mm | 998 x 603 x 773 | 1400 x 600 x 850 |
| Dry weight | kg | 212 | 370 |
| Fuel tank capacity | L | 15 | 38 |
| Coolant capacity | L | 2.8 | 3.0 (inc. sub tank) |
| Noise level | dB(A) | 58 | 57 |

1. Construction Machinery Gas Emission Regulation Standard by Ministry of Construction (Japan)
2. Construction Machinery Gas Emission Regulation Standard by Ministry of Construction (Japan); EPA (USA)
3. Construction Machinery Gas Emission Regulation Standard by Ministry of Construction (Japan); Stage 3A (EU)



| Welding Generator | | | DGW420DM/ANZ | | DGW500DM/ANZ | |
|-------------------|--------------------|-------|--------------|-----------|--------------|-----------|
| Operation | | | Single | Dual | Single | Dual |
| CC Mode | Rated current | A | 390 | 200 | 480 | 230 |
| | Rated voltage | V | 35.6 | 28.0 | 39.2 | 29.2 |
| | Duty cycle | % | 60 | 100 | 60 | 80 |
| | Current adj. range | A | 95 - 400 | 50 - 210 | 60 - 500 | 30 - 280 |
| | Welding rod dia. | mm | 2.6 - 8.0 | 2.0 - 4.0 | 2.6 - 8.0 | 2.0 - 6.0 |
| | Gouging rod dia. | mm | 3.2 - 8.0 | 3.2 - 5.0 | 3.2 - 9.5 | 3.2 - 5.0 |
| CV Mode | Rated current | A | 350 | 200 | 480 | 230 |
| | Rated voltage | V | 32.5 | 21.0 | 39.0 | 22.5 |
| | Duty cycle | % | 100 | 100 | 60 | 80 |
| | Voltage adj. range | V | 14 - 35 | 14 - 23.5 | 14 - 40 | 14 - 29 |
| | Welding wire dia. | mm | 0.6 - 2.0 | 0.6 - 1.6 | 0.6 - 2.4 | 0.6 - 2.0 |
| Rated speed | | min-1 | 3000 | | | |
| No load voltage | | V | Max 85 | | | |

| AC Generator | | | | | |
|-----------------|-------|------------|---------|---------|---------|
| Rated frequency | Hz | 50 | | | |
| Rated speed | min-1 | 3000 | | | |
| Phase | | 1 Phase | 3 Phase | 1 Phase | 3 Phase |
| Rated voltage | V | 240 | 415 | 240 | 415 |
| Power factor | | 1.0 | 0.8 | 1.0 | 0.8 |
| Rated output | kVA | 10.8 | 14.0 | 10.8 | 15 |
| Outputs | A | 3 x 15 | 1 x 20 | 3 x 15 | 1 x 20 |
| Rating | | Continuous | | | |

| Engine | | | |
|--------------------|-----|---|---------------------|
| Model | | Kubota D1105 | Kubota V1505 |
| Type | | Diesel, direct injection, liquid cooled | |
| No. of cylinders | | 3 | 4 |
| Displacement | L | 1.123 | 1.498 |
| Rated output | kW | 18.5 | 24.5 |
| Rated speed | RPM | 3000 | |
| Emissions rating | | Interim Tier 4 ² | Tier 3 ³ |
| Lubricant capacity | L | 5.1 | 6.0 |
| Starting method | | 12V Electric start | |
| Battery | | 55B24L | 75D31R |

| Dimensions and weight | | | |
|-----------------------|-------|----------------------|----------------------|
| Dimensions (LxWxH) | mm | 1435 x 700 x 848 | 1680 x 700 x 950 |
| Dry weight | kg | 480 | 613 |
| Fuel tank capacity | L | 43 | 63 |
| Coolant capacity | L | 4.3 (inc. sub. tank) | 5.8 (inc. sub. tank) |
| Noise level | dB(A) | 58 | 57 |

Accessories and optional fit ups


Shindaiwa offers site or rental specific optional features tailored to your environment.

- Safety roll frames for easy site manouverability and added machine protection;
- Bunded base to eliminate and contain spillage;
- Exhaust spark arrestor to limit the possibility of site ignition;
- Waterproof document holder to protect operator and service records;
- Battery trickle feeder to maintain the health of your battery;

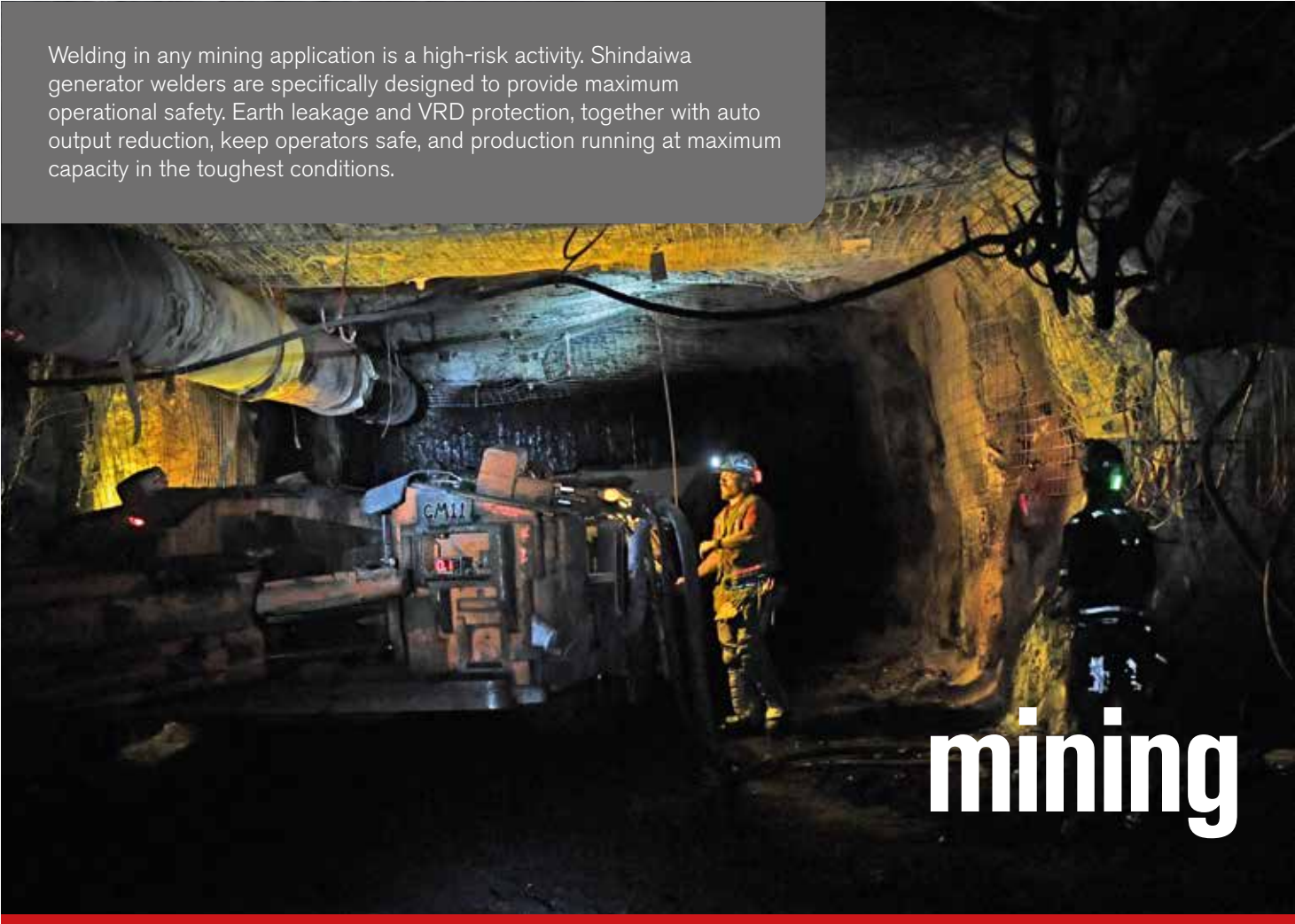
- Fitment of an approved fire extinguisher for personal safety.
- Simply specify what you need and we will deliver a site-ready unit ready to perform to your requirements.



construction



On site, if the power stops, everything stops. And costs start mounting up. Shindaiwa's rugged, compact, sound-attenuated generator welders provide clean, reliable power for all kinds of welding applications. Precise control over current and voltage help guarantee precision welds every time, and earth leakage and VRD protection ensures safe operation in all conditions.



Welding in any mining application is a high-risk activity. Shindaiwa generator welders are specifically designed to provide maximum operational safety. Earth leakage and VRD protection, together with auto output reduction, keep operators safe, and production running at maximum capacity in the toughest conditions.

mining

About Shindaiwa

Since our beginning decades ago, we have focused on designing and building the highest quality products for people who depend on us to make a living. To this day Shindaiwa power equipment has stayed true to that direction. The Shindaiwa brand is synonymous with leading edge Japanese design and engineering, high performance and durability around the world. This is proven time and again by testimonials from commercial customers who use our products under extremely harsh conditions. After years of reliable use, they come back for another Shindaiwa. Why? Because of the consistent quality and dependability they have come to expect.

Shindaiwa only builds equipment to one standard – professional. We manufacture products to suit the environment and the applications they will be used in. Each piece of equipment is as durable as we can make it. Our inhouse fabrication and special purpose powder coating facility ensures both enhanced aesthetics and great durability in the harsh Australian outdoors. We test our products in punishing conditions to ensure that they are capable of whatever you demand from them. So even if you don't use Shindaiwa equipment professionally, the products you buy are already being used by people who do.

The Shindaiwa logo features the brand name in a bold, black, sans-serif font. A small red dot is positioned above the 'i' in 'Shindaiwa', and a registered trademark symbol (®) is located at the top right of the 'a'.

Shindaiwa Generators - the perfect partner for commercial and industrial applications

Reliable, quiet, consistent power from one of the best-known names in the business. Designed and Manufactured in Japan with the latest technology. Built to last and perform in the tough Australian conditions.



ABN: 32001255312

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We deliver on time.....EVERYTIME

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