



# POWER GENERATORS

AIRMAN 10.5 - 50 KVA PRIME RATED

PRECISION ENGINEERED JAPANESE RELIABILITY

COMPLETE AIR &  
POWER SOLUTIONS





# EXCEPTIONAL PRODUCTIVITY

STANDARD: 18 HOURS RUNTIME @ 75% LOAD (SDG25S-3B1N)

ENVIRONMENTAL: 40 HOURS RUNTIME @ 75% LOAD (SDG25S-7B1N)







# RELIABLE POWER. ON DEMAND.

## ONE OF JAPAN'S LEADING GENERATOR MANUFACTURERS

Airman products have been available in Australia for over 10 years, gaining a solid reputation for reliability in even the harshest regions of our country.

Featuring superior engineering, Airman generators are ideal for rental and work site power applications as a prime power solution. Built tough and easy to use and maintain, Airman generators are the smart choice for a reliable source of energy.

CAPS offer both the Airman standard range of generators and a near "mine spec" Environmental range.

The Environmental range features the following:

- A much longer continuous operation than you would ever expect without having to refill, all in a portable and easily transportable package.
- Large capacity fuel tank equipped under the base frame as standard (fully bunded), allowing for continuous operation without an auxiliary fuel tank. with several days of operation possible without a refill.
- Up to 40 hour run times possible between refills on some models
- In the case of any water, oil or fuel spillage of over 50% of the bund capacity, a safety sensor will turn on a warning lamp on the control panel.

## SERVICE SUPPORT

Experience the difference with CAPS' expert industrial equipment servicing. Our factory-trained technicians will run a full diagnostic inspection on your machine to ensure it keeps running as it should. Using genuine spare parts and model-by-model technical knowledge, you can rest assured that your machine is in good hands.

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# A SMART INVESTMENT.

## SIX REASONS WHY

- 1 LEGENDARY JAPANESE QUALITY**  
Airman generators are produced to the highest standards in a state-of-the-art Japanese factory using premium Japanese engines such as Kubota and Isuzu.
- 2 SUPER QUIET**  
Low noise engines fully equipped with highly attenuated muffler and exhaust system design. 57 dB(A) @ 7m (equivalent of being 1m away from a usual conversation)
- 3 LONG RUN TIMES**  
A large capacity fuel tank and low fuel consumption engine allow the generators to run continuously for an extended period. The bundled Environmental series can run up to 40 hours @ 75% load on a single tank!
- 4 CATHODIC ELECTRODE COATING**  
High quality painting process as used in the auto industry. This increases the rust resistance of the enclosure as well as increasing salinity tolerance in harsh environments such as mine sites and coastal areas.
- 5 EASILY TRANSPORTABLE**  
Lightweight and compact enough to be easily transferred on utes and service trucks using the centrally positioned lifting lug, allowing hassle-free transportation from one job site to the next.
- 6 EASY MAINTENANCE**  
Side doors give quick access to filters and facilitate easy coolant and oil level checks. Mounting and demounting fuel tank has been made simple by making the bottom floor entirely flat. The radiator can be cleaned by removing both side front covers.





## FEATURES

### ENGINE STARTING EFFICIENCY

An engine preheating system consisting of a quick heating glow plug to easily start up engine in low temperature conditions.

### ALL WEATHER CONSTRUCTION

A specially designed air inlet port that reduces internal pressure and an insert type seal on the doors work together to prevent rain water penetration.

### SIMPLE OPERATION

Analog control panel equipped with all the features you require to run and take care of your generator. Also features a cable terminal box to easily connect to a distribution board.

### AVR ALTERNATOR

Protecting all your sensitive appliances from voltage variation.

### AUTOMATIC AIR BLEEDING SYSTEM

Automatically bleeds air from the fuel line system. This eliminates the need to prime the fuel system again should the generator be shutdown due to running out of fuel.

### ELECTRONIC ENGINE GOVERNOR

Easily measure and regulate the speed of the engine via a convenient switch.

### BETTER GENERATING PERFORMANCE

Coupled to a low transient reactance alternator and reinforced damper coil. This increases the negative-phase-sequence current capability and minimises the output waveform distortion.





## CUSTOM ENGINEERED OPTIONS.

CAPS owns and operates an ISO9001 certified manufacturing facility that can modify Airman generators to suit your needs. Even the toughest mine site specifications can be met.

Listed below are a number of custom modifications that can be applied to your generator on request. Ask our sales team for additional pricing:

- High dust filtration
- Fire extinguisher
- Lockable battery isolator
- Lockable starter motor isolator
- Safety release radiator cap
- 12v jump start
- Trailered options
- Environmental containment bases
- Custom graphics and safety labels
- 12v DC flashing light
- Externally mounted single and three phase IP65 rated switched sockets



# PRODUCT SPECIFICATIONS.

Model		SDG13S		SDG25S		SDG45S		SDG60S	
		-3B1N	-7B1N	-3B1N	-7B1N	-3A8N	-7A8N	-3A6N	-7A6N
		Std.	Env.	Std.	Env.	Std.	Env.	Std.	Env.
Series Identifier									
Generator									
Frequency	Hz	50Hz							
Rated Output (at 50Hz)	kVA	10.5		20		37		50	
Voltage	V	50Hz : 400V or 415V							
Power Factor	%	80							
Class of Rating		Continuous							
Exciting Method		Brushless (with A. V. R.)							
No. of Phase		3-Phase, 4-Wire							
Diesel Engine									
Make and Model		Kubota DI503-K3A		Kubota V2403-K3A		Kubota V3800-DI-T-K2B		Isuzu BB-4BGIT	
No. of Cylinder		3		4		4		4	
Type		Swirl Chamber				Direct Injection, Turbo Charged			
Total Displacement	L	1.499		2.434		3.769		4.329	
Rated output		15.6(11.5)		26(19.1)		51.7(38.0)		65.4(48.1)	
Speed	rpm	1,500							
Fuel		Diesel							
Fuel Tank Capacity	L	58	95	70	145	100	325	135	400
Fuel Consumption (50%/75% load)	L/hr	1.8/2.4		3.0/4.0		4.4/6.4		6.0/8.6	
Continuous Operation (50%/75%)	Hrs	32/24	53/40	23/18	48/36	23/16	71/51	22/16	67/47
Lubricating Oil Capacity	L	6.5		9.5		13.2		14	
Cooling Water Capacity	L	5.7		7		11		15	
Battery (Capacity 5hrs)	(Ah)	80D26R(55)x1							
Dimensions & Weight									
Overall Length	mm	1,480		1,550		1,870		2,090	
Overall Width	mm	650		700		860		860	
Overall Height	mm	950	1160	980	1240	1,220	1,590	1,220	1,630
Net Dry Mass	kg	520	560	610	685	900	1050	1,120	1,290
Operating Mass	kg	580	670	680	820	1,010	1,340	1,260	1,650
Sound Level									
Sound Pressure Level*	dB(A)	56	55	59		57	56	59	
* At 7m in 4 directions at no load									

## GET IN TOUCH.

**24/7 SUPPORT:** 1800 800 878

**WEBSITE:** CAPS.COM.AU

**SHOP:** CAPSSHOP.COM.AU

**EMAIL:** INFO@CAPS.COM.AU

### BRANCH LOCATIONS

PERTH (HEAD OFFICE) | KALGOORLIE | MELBOURNE | SYDNEY  
NEWCASTLE | ADELAIDE | BRISBANE | MACKAY | DARWIN

# SOLVING YOUR AIR AND POWER CHALLENGES.