



AUSGEN Mining Products Brochure



AUSGEN - Mining Products

Mining Spec Diesel Generators

Our mission is to provide our customers with the highest quality electrical equipment and engineering mechanical equipment, whilst providing excellent before and after sales services. This way AUSGEN can satisfy all mining, residential, industrial and manufacturing markets.

AUSGEN guarantees to offer it's customers 'value' for money, providing the perfect combination of innovative design and superior performance at an affordable industry competitive price.

COMPANY OVERVIEW

AUSGEN is a leading manufacturer of industrial equipment, specialising in power generation and air compression machinery. Through extensive experience in the electrical engineering industry, AUSGEN has become the most innovative and reputable brand in;

- Diesel Generators
- Lighting Towers
- Air Compressors
- Portable Generators
- Extended Product Lines & Spare Parts



WHY AUSGEN?

AUSGEN has worked rigorously to design a range of products specifically designed for the Australian Mining Market.

With production plants located in China and the UK, hosting over 100 engineers in the R&D department, AUSGEN not only produces standardised products, but also customizes machinery according to client requests. AUSGEN utilises a unique and efficient ERP system to ensure customers receive consistently quality .

Over 2000 AUSGEN generator sets and other machines are in operation within Australia. AUSGEN products are fast becoming the number one choice for commercial industries such as: mining

Excellent engines (Cummins, Perkins, Kubota etc.) and alternators (Stamford and Leroy Somers) characterised by their strong power, high torque, quick start and easy maintenance.

Whatever your industry, Power link Mining Specs generation sets are an efficient, cost effective solutions to your power needs. A wide range of pre-integrated sound –attenuated and containerized rental power systems are available from 6kW to 2000kW.

BENEFITS

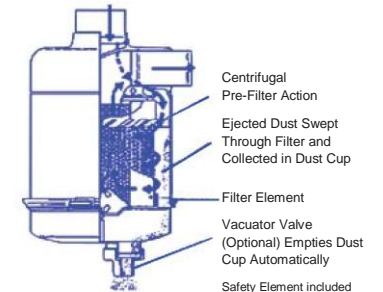
- Long product life– Weather proof canopy, global warranty
- Low maintenance and service– 24 hour fuel tank, available spare parts
- Ease of transportation– fork lift, tie bar, central lifting point
- Reliable– 6-2000kW power range, Kubota, Perkins, Cummins Engines, -15°C to 50°C ambient temp
- Environmentally friendly– Noise reduction, Sound-proofing
- Ease Accessibility –Automatic Control Panel, Built in Ladder



- Power range: 6-2000KW
- Engines: UK Perkins, US Cummins, Kubota
- 24 Hour Fuel Tank under 350KVA
- Thick Mineral Wool Sound proofing
- Deep Sea Control Panel Range
- ABB or Schneider Circuit Breakers

PERFECT EMISSIONS SYSTEM

Extremely low emissions, economical and environmentally friendly, ensuring cleanliness and low pollution levels even when used both indoors and outdoors.



Two-segment air filtering rate

Diesel Air Compressors



Air compressors are widely used in such industries as mining, water conservation, communications, marine and city construction, power generation and the military.

AUSGEN portable diesel compressors have a power range of 10.8-297KW, discharge range to 2000 CFM, and a maximum exhaust pressure of 500PSI. All compressor are driven by elite performance diesel engines; Kubota, Perkins, Caterpillar, Cummins. All Air-ends are reliable with an AS1210 certification.

SPECIFICATIONS

1. Double screw oil injector
2. Lockable fuel inlet
3. Two stage air filtration system
4. Double winged design
5. AU road safety check
6. Coolant level indicator
7. PA-780R Air Filtration System
8. Lockable battery isolator
9. PLC controller with microprocessor
10. 50°C radiator
11. Lubricating oil radiator
12. Lubricating oil filter
13. Air/oil DIR Approval
14. Air/oil separator
15. Emergency stop button
16. Lockable battery isolator switch
17. 24V sealed for life maintenance free battery
18. 8 Hour fuel tank (full running)
19. Powder coated canopy

Model		DS375-8	DS285-13
Stationary Compressor			
Rated Power*	psig	116	189
	bar	8.0	13.0
Airflow Rate*	m ³ /min	10.3	8.0
	cu.ft/min	363	284
Engine	Brand	KUBOTA	KUBOTA
	Model	V3800DI-T-E3B	V3800DI-T-E3B
	RPM	2600	2600
	Power(kW)	74	74
	Fuel consumption -L100%load	19.0L/H	18.4L/H
Control System		PLC	PLC
Fuel tank capacity(L)		215	215
Dimension&W eight	L*W*H	2560x1340x1710	2560x1340x1710
	kg	1700	1700

Feature	Benefits
Pressure selection and control	100% control of machine use
Flow selection and control	Adjusted to size to minimise diesel wastage
Twin screw rotor is directly connected with the diesel engine by highly flexible coupling	Emits more air with higher efficiency consumption. Low maintenance and long service life
Two-stage air filtration system	No infringement of dust and dirty particles
High temperature resistant design	Can run under temperatures from -20°C up to 50°C
One button start/clear operation parameters/multiple languages	Easy operation and possibility for unattended operation

Electrical Air Compressors

PCK Series: 4-75 KW, belt transmission

PCD series: 22-315 KW, gear coupling transmission

POWERFUL, HIGHLY EFFICIENT AND ECONOMICAL

Powerful driving motor designed according to ISO standards, featuring protection level IP55 and an insulation level F, as well as being equipped with superior class SKF bearing, the air compressor can be used in all climates and terrains.

ADVANCED COOLING SYSTEM

- 98% of the coolant will be pre-separated when the coolant goes through the oil and gas separator.
- The motor directly installed under the independent cooling fan has an excellent cooling system, which ensures the oil temperature is always below 80°C

ENERGY CONSERVATION

- Compact structure characterised by a soundproof canopy with base
- High quality sound attenuating material and design including; a multilayer anti-vibration design, double vibration absorbing bracket and chassis ensuring the lowest possible vibration during operations.
- Easy to maintain
- Large movable sound-absorbing device can be quickly opened from the side for easy and fast maintenance
- V-belt can be replaced without moving components and coolant can be quickly replaced through the ball valves

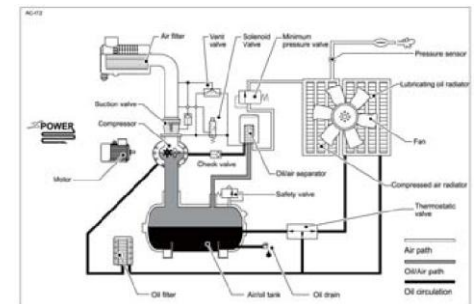
SPECIFICATIONS

1. AUSGEN Electrical Air Compressors are characterised by;
2. V-belt connection
3. Electric Motor Y2 200L-2
4. SKF first class bearing
5. Switchbox conforming to DIN and VDE standard
6. Forklift slot, central lifting point
7. Soundproofing
8. 13-380CFM
9. 4-75KW installed motor
10. 7-12 Bar pressure
11. Belt pulley shield
12. Electric motor
13. Air filter
14. Gas-oil separator core
15. Safety valve
16. Lubricant inlet
17. Content Gauge
18. Compressor GHH/CF90D2
19. Holes for forklift, central lifting point, skid base
20. Emergency stop button



AIR CONTROL 3 STANDARD MODEL IS EQUIPPED WITH DEVICES AS FOLLOWS:

- 7 channels for change over of compressor switch
- 7 channels for display of compressor pressure reducti





Mining Specs Lighting Towers

ALT15000A AUSGEN lighting tower is the closest you can get to natural light, amplifying why it is widely used in a range of international commercial and industrial markets. It meets all occupational health and safety standards and ISO9001 international quality standards. As an added feature, the ALT15000A is equipped with an audible warning system, which is activated when the mast is being raised or lowered. This ensures the safety of all operators and nearby workers.

BENEFITS

The 8000W metal halide light, powered by a 12kW prime rating Kubota engine, provides the most economic way to convert electrical energy into light.

The mining spec lighting tower consists of a diesel generator set, group of hydraulic masts, lighting kit and trailer. The trailer meets all Australian ADR requirements. The Hydraulics mast reaches 11.19 metres, with high wind resistance performance, and can rotate a full 360°, allowing lighting in all directions. Featuring a large access door for convenient maintenance and a large fuel tank for timely use, this lighting tower is designed for the most efficient mining and commercial sites.

8x1000W Metal Halide Lights
12KW Kubota Engine
Height of mast: 11.19 metres
360° rotation circle; 180° flexion and inversion of lights

Genset Parameter

Ambient temperature	-5°C to 50°C
Rated power	15kVA/12KW
Lamp	Metal halide lamp/8x1000w/230v/single phase
Power outlet socket	230V/16A/Single phase
Number of mast sections	5
Working angle of mast section 1	0-80°
Working angle of mast section 2	0-80°
Working journey of mast section 3	1230mm
Working journey of mast section 4	1230mm
Working angle of mast section 5	0-180°
Working angle of turntable	±180°
Illumination power (luminous flux)	85,000 Lumen/Lamp
Hydraulic oil tank capacity	14L
Tire size	185R14LT
Maximum towing speed	TBA
Maximum wind speed rating	TBA
Dimensions (fully folded)	4400x1861x2348mm
Dimensions (fully unfolded)	4400x3216x11190mm
Dry weight	2518kg

Diesel Engine

Model	D1703-BG
No. of Cylinder/Diameter x Stroke	3: 87x92.4mm
Prime Power	12.8kW
Displacement	1.647L
Fuel Tank	200L
Fuel Consumption (full load)	2.5L/Hr
Oil Capacity	7.6L

Alternator

Model	PH144E
Excitation	Brushless
Excitation System	Self-exciting
Poles	4
Protection Class	IP23
Insulation Class	F



Rental specs Diesel Generators

BENEFITS

1. Ambient temperature -15°C to 50°C; designed for application in the harshest environments
2. Altitude: below 1000 metres
3. Power range of gen set: 6-2000KW
4. Built-in soundproof canopy or ISO standard container
5. Stable performance, high cost-performance, economical efficiency, easy to maintain
6. 24 hour fuel tank for sets below 350kVA for continuous running
7. Low fuel consumption
8. Easy and safe power output
9. Outstanding noise reduction performance with a low noise level
10. 50 and 60Hz switchable
11. Weatherproof canopy
12. Paralleling
13. Multiple languages control system
14. Remote control available

CONTROL SYSTEM

- Micro-processor core digital system
- Multiple languages, automatic control
- Connected with the mains through ATS, which enables an automatic transfer between the mains and generator set

CONVENIENT CONNECTION

Optional connection panel can aid in the monitoring of mains, ATS transfer, and remote start.

CONVENIENT REFUELLING AND WATERING INSTALLATION

- Outer fuel inlet and coolant inlet
- The genset is equipped with a daily use, double-deck fuel tank with an automatic fuel injection system
- Fuel outlet at the base and drainage device

EASY TO MAINTAIN

- Maintenance can be performed on both sides of the machine and the wide doors allow for access to all parts
- Waste drainage outlet located at the bottom of the machines makes regular maintenance much easier
- A ladder is equipped for all sets over 350KVA

Materials Used on Canopy and Base

Component	Material	Thickness(mm)
Soundproof Canopy	Advanced Electrolysis	2.0
	Board	
Bracket	Hot-rolled Plate	6.0
Main Supporting Column	Hot-rolled Plate	6.0-10.0
Base	Hot-rolled Plate	4.0-12.0