

### AVK/Cummins Diesel Generators from 2100-2200kVA

#### AVK/Cummins Diesel Generators

From 2100 to 2200kVA, AVK | SEG (UK) LTD can supply you with a quality, reliable power source to accompany your project. Over this power range we can supply you with a set configured to your specifications, our scope of work normally includes the installation and commissioning of your power plant with full project management.

#### Design Specifications

The AVK/Cummins range of complete power units are built to a high quality, very reliable, and have a long life. The sets are of a compact design which are easy to start and full maintenance is available. Every generating set is subjected to a comprehensive test program which includes full load testing, checking and proving of all control and safety shutdown functions. The sets are quality engineered and available with a wide range of options and accessories including acoustic close fit canopies, ISO containers or on road trailers.

#### Engine Specification

- CUMMINS heavy duty diesel engine
- 4 stroke, water cooled, direct injection fuel system
- Electronic governor control system
- 4 valves per cylinder
- Replaceable wet type cylinder liners
- 24V D.C starter & charge alternator
- Replaceable cartridge type dry air filter
- Radiator and cooling fan



231/400 V-50Hz	Genset Model	AC2100	AC2200
Power Pf. 0.8	Standby kVA	2100	2200
	Prime kVA	1900	2000

**Standby:** Continuous running at variable loads for duration of an emergency. No overload is permitted. **Prime:** Continuous running in line with the recommended ISO 8528 for unlimited periods with 10% overload available for 1 hour in any 12 hour period. **Ratings:** All kW Power ratings based on a 40° ambient temperature reference

- Flexible fuel connection hoses and manual oil drain valve
- Industrial capacity exhaust silencer and expansion joint
- Starter battery (lead acid)
- Jacket water heater

#### Alternator Specification

- Screen protected and drip-proof
- Brushless alternator
- Self-exciting, self-regulating and automatic voltage regulator
- Class H insulation
- Enclosure is IP21 or 23

#### Base Frame Specification

- The complete generator set is mounted on a heavy duty fabricated, steel base frame. Anti-vibration mountings are installed between the engine/alternator feet and the base frame
- The genset can be lifted or manoeuvred into position by the final base frame

#### Quality Standards

The equipment meets the following standards: VDE0530, BS4999, BS5000, IEC34. The genset is manufactured by a full accredited ISO9001 TUV CERT.

**For more information on our full range of Diesel Generators and UPS systems or for a full quotation, please telephone AVK | SEG (UK) LTD on 01628 503900.**



# AVK/CUMMINS/GENERATORS

2100-2200kVA

## Specification

DIESEL GENERATING SETS 231/400V – 50Hz					
GROUP	MODEL			AC2100	AC2200
	Power Pf. 0.8	Standby	kVA	2100	2200
					kW
	Prime		kVA	1900	2000
				kW	1520
DIESEL ENGINE	Engine Make			Cummins	Cummins
	Model			QSK60G3	QSK60G3
	Standby Power		kW	1790	1915
			Hp	2399	2567
	Aspiration and cooling			Turbo AC*	Turbo AC*
	Total Displacement (L)			60.2	60.2
	No. of Cylinders and Build			16 – V type	16 – V type
	Engine Speed (rpm)			1500	1500
	Bore and Stroke (mm x mm)			159x190	159x190
	Compression Ratio			14.5:1	14.5:1
	Piston speed (m/s)			9.5	9.5
	Governor			Electronic-GCS	Electronic-GCS
	Fuel Injection System			Direct	Direct
	Fuel Consumption at 75% load (Lt/hr)			269	291
	Fuel Tank Capacity (L)			2000	2000
	Oil Capacity (L)			280	280
	Coolant Capacity (L)			492	492
	Air Flow – Radiator (m <sup>3</sup> /s)			30	30
	Air Intake – Engine (m <sup>3</sup> /min)			2080	2264
Exhaust Gas Flow (m <sup>3</sup> /min)			4920	5190	
Exhaust Temperature (°C)			450	430	
Total Heat Radiated to Ambient (kW)			180	160	
Alternator Voltage Regulation			± 0.5%	± 0.5%	

\*AC: Aftercooler

### OPEN TYPE

Dimensions (L x W x H) (mm)	6020x2490x3220	6020x2490x3220
Dry Weight (kg)	15500	15500

### CONTAINER TYPE

Container Model (mm)	40'
Dimensions (L x W x H) (mm)	12190x2430x2590
Sound Level at full load (dB(A) @1m)	85

### OPTIONAL EQUIPMENT

- Fuel-water separator filter
- Remote radiator
- Automatic fuel filling system
- Engine oil heater
- Trailer
- Low fuel level alarm
- Charge voltmeter
- Charge ammeter
- Anti condensation heater
- Special type silencer
- Enclosure, sound-proofed canopy
- Alternator thermal magnetic circuit breaker

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