

AVK/Cummins Diesel Generators from 880-1130kVA

AVK/Cummins Diesel Generators

From 880 to 1130kVA, 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	AC800	AC1030-30	AC1130
Power Pf. 0.8	Standby kVA	880	1030	1130
	Prime kVA	800	930	1026

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

880-1130kVA

Specification

DIESEL GENERATING SETS 231/400V – 50Hz						
GROUP	MODEL			AC880	AC1030-30	AC1130
	Power Pf. 0.8	Standby	kVA	880	1030	1130
					kW	704
	Prime		kVA	800	930	1026
				kW	640	744
DIESEL ENGINE	Engine Make			Cummins	Cummins	Cummins
	Model			QSK30G2	GSK30G3	GSK30G4
	Standby Power		kW	768	895	970
			Hp	1030	1200	1300
	Aspiration and cooling			Turbo AC*	Turbo AC*	Turbo AC*
	Total Displacement (L)			30.48	30.48	30.48
	No. of Cylinders and Build			12 – V type	12 – V type	12 – V type
	Engine Speed (rpm)			1500	1500	1500
	Bore and Stroke (mm x mm)			140x165	140x165	140x165
	Compression Ratio			14.0:1	14.0:1	14.0:1
	Piston speed (m/s)			8.3	8.3	8.3
	Governor			Electronic-A1	Electronic-A1	Electronic-A1
	Fuel Injection System			Direct	Direct	Direct
	Fuel Consumption at 75% load (Lt/hr)			128	139	151
	Fuel Tank Capacity (L)			1250	1250	1250
	Oil Capacity (L)			154	154	154
	Coolant Capacity (L)			175	175	342
	Air Flow – Radiator (m ³ /s)			17.6	18.1	24.8
	Air Intake – Engine (m ³ /min)			2764	3114	3402
Exhaust Gas Flow (m ³ /min)			7977	8748	9900	
Exhaust Temperature (°C)			538	541	565	
Total Heat Radiated to Ambient (kW)			101	90	105	
Alternator Voltage Regulation			± 1%	± 1%	± 0.5%	

*AC: Aftercooler

OPEN TYPE

Dimensions (L x W x H) (mm)	4150x1440x2060	4230x1770x2330	4330x2000x2250
Dry Weight (kg)	7100	7250	7900

CONTAINER TYPE

Container Model	30'		
Dimensions (L x W x H) (mm)	9120x2430x2590		
Dry Weight (kg)	14400	14400	14600
Sound Level (at full load) (7m/dB(A))	71	72	73

OPTIONAL EQUIPMENT

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

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