

AVK/Cummins Diesel Generators from 350-400kVA

AVK/Cummins Diesel Generators

From 350 to 400kVA, 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	AC350	AC400
Power Pf. 0.8	Standby kVA	350	400
	Prime kVA	316	356

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 (with 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
- Base frame incorporates integral fuel tank
- The genset can be lifted or manoeuvred into position by the final base frame

Canopy Specification

- All canopy parts are designed with modular principles
- Without welding assembly
- Easy maintenance and operation, lifting and moving
- All canopy parts are painted by electrostatic polyester powder paint
- Exhaust silencer is protected against environmental conditions
- Emergency stop button installed on canopy

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

350-400kVA

Specification

DIESEL GENERATING SETS 231/400V – 50Hz					
GROUP	MODEL			AC350	AC400
	Power Pf. 0.8	Standby	kVA	350	400
			kW	280	320
	Prime	Prime	kVA	316	356
kW			253	284	
DIESEL ENGINE	Engine Make			Cummins	Cummins
	Model			NT855G6	NTA855G4
	Standby Power		kW	310	351
			Hp	415	470
	Aspiration and cooling			Turbo	Turbo AC*
	Total Displacement (L)			14	14
	No. of Cylinders and Build			16 – in line	16 – in line
	Engine Speed (rpm)			1500	1500
	Bore and Stroke (mm x mm)			140 x 152	140 x 152
	Compression Ratio			14.0:1	14.0:1
	Piston speed (m/s)			7.6	7.6
	Governor			Electronic	Electronic
	Fuel Injection System			Direct	Direct
	Fuel Consumption at 75% load (Lt/hr)			52	57
	Fuel Tank Capacity (L)			420	420
	Oil Capacity (L)			38.6	38.6
	Coolant Capacity (L)			70	70
	Air Flow – Radiator (m ³ /s)			7.6	8.3
	Air Intake – Engine (m ³ /min)			1299	1469
	Exhaust Gas Flow (m ³ /min)			3856	4061
Exhaust Temperature (°C)			574	524	
Total Heat Radiated to Ambient (kW)			57	65	
Alternator Voltage Regulation			± 1%	± 1%	

*AC: Aftercooler

OPEN TYPE

Dimensions (L x W x H) (mm)	3230x1100x1980	3230x1100x1980
Dry Weight (kg)	2620	2830

CANOPY TYPE

Canopy Model	AS400	
Dimensions (L x W x H) (mm)	4350x1350x2170	
Weight (kg)	3740	4100
Sound Level (at full load) (7m/dB(A))	75	75

OPTIONAL EQUIPMENT

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

AVK|SEG (UK) LTD
 Power Systems House, Malvern Road
 Maidenhead
 Berkshire
 SL6 7QY

Telephone: 01628 503900 Fax: 01628 503999
www.avk-seg.co.uk email: powersystems@avk-seg.co.uk