

AVK/VOLVO/DIESEL GENERATORS

200-700kVA

AVK/Volvo Diesel Generators from 200-700kVA

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From 200 to 700kVA, 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/Volvo 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, or on road trailers.

Modularity and Protection

Simplicity and adaptability: this is the assurance AVK | SEG (UK) LTD offer you in these modular sets. It is particularly easy to add electrical options by standardised modules, with an optimised layout of the control equipment, as well as increased accessibility for maintenance.



Electrical Panel

From 16kVA upwards, all generator sets can be equipped with the MICS Telys. This monitoring/control panel incorporates all the controls, safety devices and display of the states of the set. It covers all alternator voltages from 208V to 600V (3-phase), irrespective of battery voltage, frequency, current and engine power output.

With a very user-friendly man-machine interface, it is possible to have over 150 configuration parameters, accessible in read only in order to monitor the set's operating state, or by access code for modification. In addition, the MICS Telys has a new wiring concept, permitting the connection of options via an array of marked connectors.

(Please request our MICS Telys Control or MICS Kerys Control leaflets for further information.)

Quality Standards

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

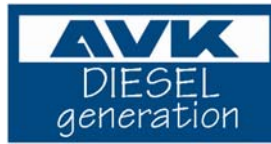
Canopies & Containers

A standard range of modular Eurosilent Canopies are available for system ratings from 7-800kVA with typical noise levels of 70-75dBA @ 7m. The close fit canopies offer a compact solution for external generation equipment. A base frame fuel tank is included.

For larger genset ratings ISO based container solutions are available. For special applications to meet low noise levels or combined housings for multiple engine sets, extended fuel storage etc AVK | SEG (UK) LTD can provide bespoke engineered housing or drop over canopy solutions to meet site and project requirements.

(Please request our Canopied Generators or Containerised Generators leaflets for further information.)

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.



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Specification

3-PHASE GENSETS													
Genset Type	Genset Specifications 50hz 400/230V				Engine Specifications						Alternator	Compact Version	
	kVA Cos φ 0.8		Engine	Engine type	Cyl	Bore (mm)	Stroke (mm)	Cyl (L)	Brand	Type	Dimensions LxWxH (m)	Weight (kg) (3)	
	PRP(1)	ESP(2)	Cons 75% load (L/h)										
V220C2	200	220	32.5	TAD733GE	6L	108	130	7.2	LS	462M5	2.37x1.11x1.54	1850	
V275C2	250	275	42.6	TAD734GE	6L	108	130	7.2	LS	462L6	2.90x1.30x1.66	2200	
V350C2	318	350	50.6	TAD941GE	6L	120	138	9.4	LS	462VL 12	3.16x1.34x1.76	2850	
V375C2	341	375	50.6	TAD941GE	6L	120	138	9.4	LS	472VS2	3.16x1.34x1.76	2780	
V410C2	375	413	55	TAD1241GE	6L	131	150	12.1	LS	472VS3	3.16x1.34x1.81	3190	
V440C2	400	440	59.5	TAD1242GE	6L	131	150	12.1	LS	472VS3	3.16x1.34x1.81	3238	
V500C2	455	500	69.2	TAD1640GE	6L	144	165	16.1	LS	472S5	3.47x1.63x2.04	3490	
V550C2	500	550	75.4	TAD1641GE	6L	144	165	16.1	LS	472M7	3.47x1.63x2.04	3620	
V630C2	573	630	85	TAD1642GE	6L	144	165	16.1	LS	472L9	3.47x1.63x2.08	3780	
V700C2	636	700	94.5	TWD1643GE	6L	144	165	16.1	LS	491S4	3.47x1.63x2.08	3890	

Dry weight, without fuel (1) PRP: Prime Power – Continuous duty 24/24H under variable – 10% overcharge acceptable 1h/12h (ISO 8528 PRP) (2) ESP: Standby Power – Standby duty – Operation under variable charge 500h/year without overcharge – For continuous use, derated by 10% (ISO 8528) (3) Ratings are given for a 25°C ambient temperature. Derating, please contact us or refer to data sheet – Alt:100m above sea level.

Other AVK | SEG (UK) LTD Diesel Generator Ranges:
(information leaflets available on request)



AVK/JOHN DEERE/20-440kVA



AVK/MTU/650-3300kVA



AVK/MITSUBISHI/6.8-44kVA
AVK/MITSUBISHI/1275-2200kVA



AVK/VOLVO/200-700kVA