

# AVK/VOLVO/DIESEL GENERATORS

220-700kVA

## AVK/Volvo Diesel Generators from 220-700kVA

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From 220 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, ISO containers 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 Process II 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 9-800kVA 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 for 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.**

### Specification

3-PHASE GENSETS																
Genset Type	Genset Specifications <sup>(1)</sup>						Engine Specifications					Alternator		Compact Version		
	kVA Cos φ 0.8		kWe ISO 8528		Engine		Engine type	Cyl	Bore (mm)	Stroke (mm)	Cyl (L)	TA Luft <sup>(3)</sup>	Brand	Type	Dimensions LxWxH (m)	Weight (kg) (5)
	PRP <sup>(6)</sup>	ESP <sup>(7)</sup>	PRP <sup>(6)</sup>	ESP <sup>(7)</sup>	kWm net <sup>(2)</sup>	Cons 75% load (L/h)										
V220K	200	220	182	200	178	32.5	TAD733GE	6L	108	130	7.2	●	LS	462M5	2.37x1.11x1.54	1850
V330K	300	330	273	300	322	50.6	TAD941 GE	6L	120	138	9.4	●	LS	462VL12	3.16x1.34x1.76	2850
V375K	340	375	-	-	-	-	TAD941 GE	6L	120	138	9.4	●	LS	472 VS 2	3.16x1.34x1.76	2780
V410K	375	413	-	-	-	-	TAD1241GE	6L	131	150	12.1	●	LS	472VS3	3.16x1.34x1.81	3190
V440K	400	440	364	400	352	59.5	TAD1242GE	6L	131	150	12.1	●	LS	472VS3	3.16x1.34x1.81	3238
V500K	450	500	400	450	392	69.2	TAD1640GE	6L	144	165	16.1	●	LS	472 S5	3.47x1.63x2.04	3470
V550K	500	550	455	500	430	75.4	TAD1641GE	6L	144	165	16.1	●	LS	472M7	3.47x1.63x2.04	3620
V630	570	630	-	-	-	85	TAD1642GE	6L	144	165	16.1	●	LS	472L9	3.47x1.63x2.08	3780
V700	6330	700	-	-	-	94	TAD1643GE	6L	144	165	16.1	●	LS	491S4	NA	NA

(1) Available in the following voltages: 415/240V, 400/230V, 380/220V, 200/115V, 240/120V, 230/115V, 220/110V (2) Prime Power (PRP) (3) Generating sets equipped with TA Luft Certified engines (Nox<4000mg/Nm<sup>3</sup>, CO<650mg/NM<sup>3</sup>, HC<150mg/NM<sup>3</sup>, PM<130mg/NM<sup>3</sup>) (5) Dry weight, without fuel (6) PRP: Prime Power – Continuous duty 24/24H under variable – 10% overcharge acceptable 1h/12h (ISO 8528 PRP) (7) ESP: Standby Power – Standby duty – Operation under variable charge 500h/year without overcharge – For continuous use, derated by 10% \*ISO 8528: Ratings are given for a 25°C ambient temperature. Derating, please contact us or refer to data sheet – Alt:100m above sea level. ● Standard

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



AVK/JOHN DEERE/30-200kVA



AVK/MTU/650-3000kVA



AVK/MITSUBISHI/7.5-22kVA  
AVK/MITSUBISHI/1275-2090kVA



AVK/PERKINS/650-880kVA



AVK/VOLVO/200-550kVA