

### AVK/John Deere Diesel Generators from 33-440kVA

#### AVK/John Deere Diesel Generators

From 30 to 200kVA, 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/John Deere 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> 400/230V						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) <sup>(5)</sup>	Weight (kg) <sup>(6)</sup>	Tank (L)	
	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)												
J33K	30	33	25	28	30.5	6.3	3029DF120	3L	106	110	2.9	X	MA	ECO28VL	1.70x0.89x1.22	740	100	
J44K	40	44	36	40	36.4	10.1	3029TF120	3L	106	110	2.9	●	MA	ECO32-3S	1.70x0.89x1.22	820	100	
J66K	60	66	48	55	60	14.5	4045TF120	4L	106	127	4.5	●	LS	432M45	1.87x0.99x1.36	1000	180	
J77K	70	77	64	70	61	14.5	4045TF120	4L	106	127	4.5	●	LS	432L65	1.87x0.99x1.36	1110	180	
J88K	80	88	73	80	73	16	4045TF1220	4L	106	127	4.5	●	LS	432L8	1.87x0.99x1.36	1110	180	
J110K	100	110	91	100	88	19	4045HF120	4L	106	127	4.5	●	LS	442VS45	1.91x0.81x1.33	1240	190	
J130K	120	132	106	117	106	24	6068TF220	6L	106	127	6.7	●	LS	442S7	2.37x1.11x1.48	1570	340	
J165K	150	165	137	150	163	29	6068HF120-153	6L	106	127	6.7	●	LS	442M95	2.37x1.11x1.48	1640	340	
J200K	180	198	159	175	163	36.1	6068HF120-183	6L	106	127	6.7	●	LS	462M3	2.37x1.11x1.48	1730	340	
J220K	200	220	182	200	188	36.9	6068HF475	6L	106	127	6.7	●	LS	462M5	2.37x1.11x1.48	1790	340	
J275	250	275	-	-	231	-	6081HF001	6L	116	129	8.1	●	LS	462L6	2.90x1.11x1.70	2170	390	
J300	275	303	227	250	231	46.1	6081HF001	6L	116	129	8.1	●	LS	462L9	2.90x1.11x1.68	2235	390	
J400	365	402	318	350	321	76	6125HF070	6L	127	165	12.5	●	LS	472VS2	3.16x1.11x1.79	3090	470	
J440	400	440	363	400	387	76	6125HF070	6L	127	165	12.5	●	LS	472VS3	3.16x1.11x1.7	3120	470	

(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) Dimensions given with alternator box, except JS60 to 80 (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, X Impossible. (8) Dry weight, without fuel.

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-



AVK/PERKINS/650-880kVA



AVK/VOLVO/200-550kVA

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