



AVK/MITSUBISHI/DIESEL GENERATORS

5.5-44kVA

AVK/Mitsubishi Diesel Generators from 5.5-44kVA

AVK/Mitsubishi Diesel Generators

From 5.5 to 44kVA, 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.

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.

From 7.5 to 80kVA you have additional modularity with the concept of a canopy which can be installed at a later date. Meaning you can upgrade your genset at any time to suit your needs.



MITSUBISHI

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 displays the status 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 an extremely user-friendly man-machine interface, it is possible to display 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 plug in connectors.

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



The Canopies

Modularity and ease of use: 10 canopies are available on the whole range to suit the set's power output and the sound level required where the set is to be positioned. From 7.5 to 80kVA, the modular concept features again. There is a kit for converting the set on site for fitting outside the factory, from centralised stock. Thus, you can convert a compact set into a soundproofed version. LWA 99 max (3000rpm)/LWA 96.4 max (1500rpm). (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.

[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



AVK/MITSUBISHI/DIESEL GENERATORS

5.5-44kVA

Specification

3-PHASE GENSETS																			
Range	Genset Type	Genset Specifications ⁽¹⁾ 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 ⁽³⁾	Brand	Type	Dimensions LxWxH (m)	Weight (kg) ⁽⁵⁾	Tank (L)	
		PRP ⁽⁶⁾	ESP ⁽⁷⁾	PRP ⁽⁶⁾	ESP ⁽⁷⁾	kWm net ⁽²⁾	Cons 75% load (L/h)												
3000 rpm	T9K**	-	9	-	7.2	8.8	2.4	L2E.SDH	2L	76	70	0.64	●	SO	FT2MBS	1.28x0.66x0.96	240	43	
	T15K	-	15	-	-	13.5	4.2	L3E.SDH	3L	76	70	0.95	●	SO	FT2MBS	1.41x0.72x1.03	294	50	
1500rpm	T20K	-	20	-	-	19	5.5	S3L2.SDH	3L	78	92	1.3	●	MA	ECO3-2L	1.41x0.72x1.05	386	50	
	T27K	-	27	-	-	22	6.3	S4L2.SDH	4L	78	92	1.8	●	MA	ECO28-2L	1.70x0.90x1.12	530	100	
	T7.5K	6.8	7.5	-	-	6.7	1.7	L3E.SD	3L	76	70	1.0	●	MA	ECO3-2S	1.41x0.72x1.03	307	50	
	T11.5	10.5	11.5	2.5	11	15.1	3.2	S3L2.SD	3L	78	92	1.318	●	MA	ECO3-1L	1.41x0.72x1.05	387	50	
	T16K	14.5	16	3.4	12.8	15.1	3.4	S4L2.SD	4L	78	92	1.758	●	MA	ECO3-2L	1.40x0.72x1.05	406	50	
	T22K	20	22	16	17.6	21.7	4.7	S4Q2.SD	4L	88	103	2.5	●	MA	ECO281L	1.70x0.90x1.1	560	100	
	T33	30	33	-	-	-	-	S4S SD	4L	94	120	3.3	●	MA	ECO28VL	1.70x0.90x1.14	660	100	
	T44	40	44	-	-	-	-	S4S DT	4L	94	120	3.33	●	MA	ECO32-3S	1.70x0.90x1.16	680	100	

1-PHASE GENSETS																			
Range	Genset Type	Genset Specifications ⁽¹⁾ 400/230V						Engine Specifications					Alternator		Compact Version				
		kWe ISO 8528		Engine		Engine type	Cyl	Bore (mm)	Stroke (mm)	Cyl (L)	TA Luft ⁽³⁾	Brand	Type	Dimensions LxWxH (m)	Weight (kg) ⁽⁵⁾	Tank (L)			
		PRP ⁽⁶⁾	ESP ⁽⁷⁾	kWm net ⁽²⁾	Cons 75% load (L/h)														
1500 rpm	T5.5KM	5	5.5	6.7	1.7	L3E.SD	3L	76	70	.95	●	MA	ECO3-2S	1.41x0.72x1.03	260	43			
	T9KM	7.8	8.6	10.3	2.5	S3L2.SD	3L	78	92	1.3	●	MA	ECO3-2L	1.41x0.72x1.03	390	43			
	T12KM	11	12.1	15.1	3.4	S4L2.SD	4L	78	92	1.75	●	MA	ECO28-1L	1.41x0.72x1.05	500	100			
	T17KM	15.6	17.2	21.7	4.7	S4Q2.SD	4L	88	103	2.5	●	MA	ECO28VL	1.70x0.90x1.12	500	100			

(1) Available in the following voltages: 415/240V, 400/230V, 380/220V, 240V, 230V, 220V, 220/127V, 200/115V, 240/120V – 230/115V, 220/110V (2) Prime Power (PRP) (3) Generating sets equipped with TA Luft Certified engines (Nox<4000mg/Nm³, CO<650mg/NM³, HC<150mg/NM³, HC<150mg/ NM³, PM<130mg/NM³) (4) Dry weight, without fuel (5) PRP: Prime Power – Continuous duty 24/24H under variable load – 10% overcharge acceptable 1h/12h (ISO 8528 PRP) (7) ESP: Standby Power – Standby duty – Operation under variable charge 500h/year without overload – 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 ** TN9SK and TN9SKM are available only in compact version

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