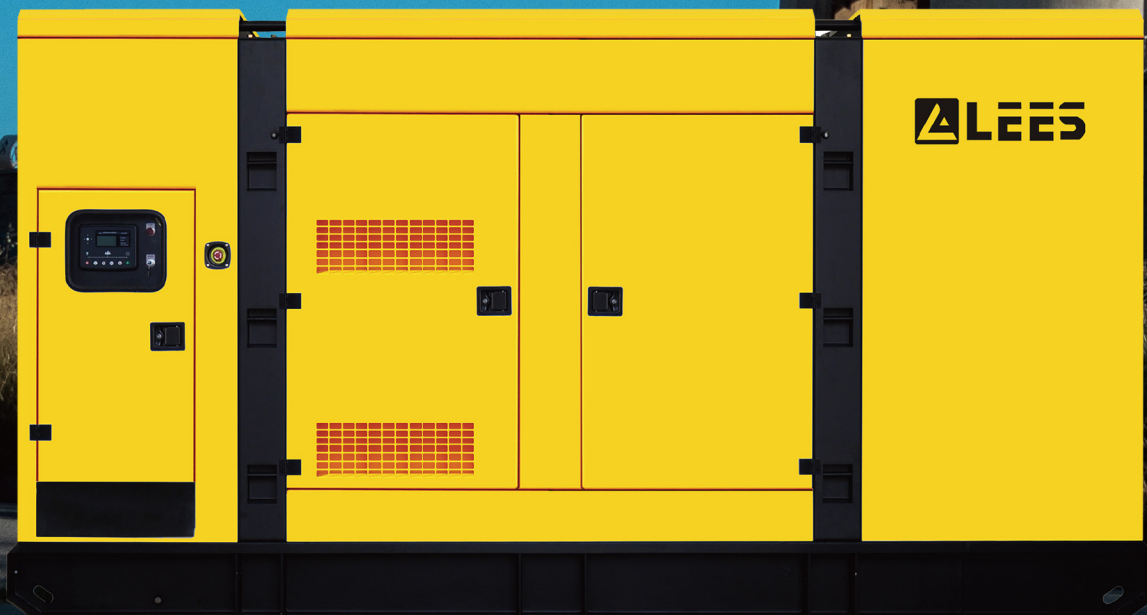




LEES VOLVO SERIES GENERATORS

*Comprehensive
Power Solutions*

50 Hz



About

LEES Volvo generators have a wide power range from 165~770kVA.

The generators are widely used in industrial, commercial, backup, primary power source and outdoors project work and so on.

WHY DO YOU CHOOSE LEES DOOSAN SERIES GENERATOR?

- **Performance:** Best engines ensure the best performance and the strongest power, which make sure gensets work smoothly.
- **Customer service:** Reliable Volvo global after sale service, which make sure customers have a worry free experience.
- **Optimization:** LEES make some improvements for the Volvo engines, which make the engines more suitable for generators.
- **Silence:** LEES take use of two-step silencing with 5 cm thickness and high density mute cotton to low the noise. The generators could reach at 60 dbA/7m without loading and 62-65 dbA/7m with full loading.
- **Elegance:** LEES Volvo generators appearance is very fashionable and beautiful, with bright yellow color, which makes the gensets high recognition. Waterproof canopy use 2mm cold-rolled steel with powder coated painting to produce.
- **Intelligence:** LEES use world famous brand Deepsea controller to control and protect the genset. Push-to-start is very convenient.
- **Design and Details:** Considerate design is the aims and objectives. To make customers satisfied and optimize customers' experience, LEES focus on every detail and review every improvement at regular intervals. We will review the generator at least 3 times before the product get in market. At present, LEES have make the changes and improvements on anti-collision rubber, stainless screws, doors, baseframe, wiring ways, oil drain valve and so on.



OUR APPLICATIONS



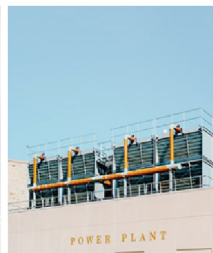
Mining



Building



Factory



Power plant



Outdoor working



Energy



Data center

50Hz | Three Phase

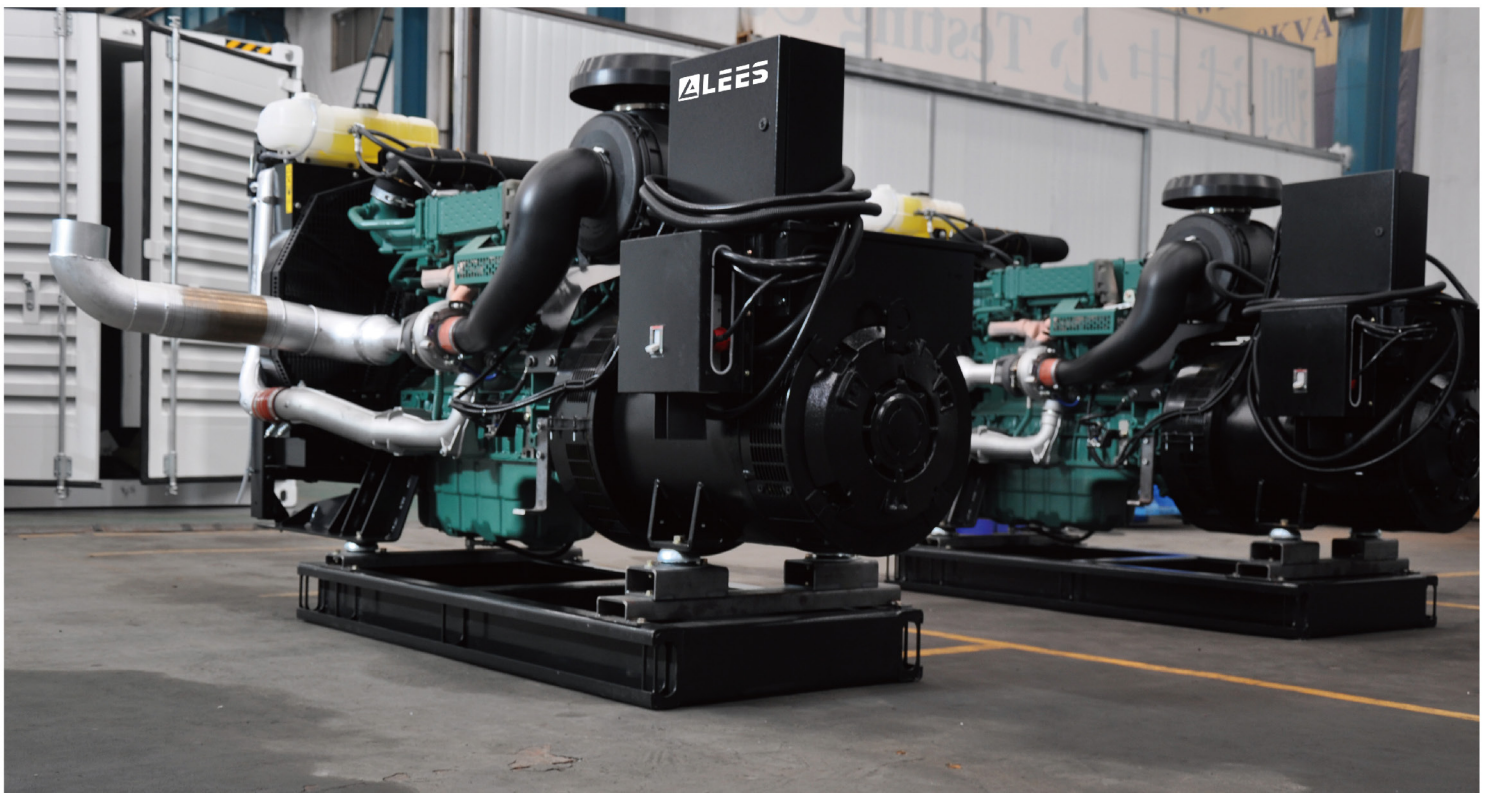
Model	LSV205S3	LSV225S3	LSV275S3	LSV350S3	LSV385S3
Prime Power (kVA)	185	200	250	318	350
Standby Power (kVA)	205	225	275	350	385
Prime Power (kW)	148	160	200	254	280
Standby Power (kW)	164	180	220	280	308
Rated Frequency (Hz)	50	50	50	50	50
Rated Voltage (V)	400	400	400	400	400
Rated Current (A)	267.0	288.7	360.9	459.0	505.2
Rated Speed (r/min)	1500	1500	1500	1500	1500
Engine Brand	VOLVO	VOLVO	VOLVO	VOLVO	VOLVO
Engine Model	TAD732GE	TAD733GE	TAD734GE	TAD1341GE	TAD1342GE
Cylinder No.& Configuration	6 cylinder Diesel L type				
Working Mode	Turbocharged and air-cooled charge air				
Bore x Stroke (mm)	108*130	108*130	108*130	131*158	131*158
Displacement (L)	7.15	7.15	7.15	12.78	12.78
Compression Ratio	18: 1	18: 1	17:1	18.1:1	18.1:1
Rated Power (kW)	162	175	217	271	303
Rated Speed	1500	1500	1500	1500	1500
Lubrication System	Splash Lubrication				
Lube Oil	CH15W-40				
Lube Oil Capacity (L)	34	34	29	36	36
Battery Capacity	6-QW-80(600)*2	6-QW-80(600)*2	6-QW-80(600)*2	6-QW-120(850)*2	6-QW-120(850)*2
Fuel Type	0#	0#	0#	0#	0#
Fuel Consumption 25% load (L/H)	14	13	17	20	22
Fuel Consumption 50% load (L/H)	23	24	32	35	39
Fuel Consumption 75% load (L/H)	33	36	45	50	56
Fuel Consumption 100% load (L/H)	44	48	56	66	73
Phase	3	3	3	3	3
Poles	4	4	4	4	4
Loop Mode	Three phase four wire				
Excitation System	Brushless self-excited constant voltage (AVR)				
Power Factor (cosΦ)	0.8	0.8	0.8	0.8	0.8
Winding Pitch	2/3	2/3	2/3	2/3	2/3
Winding Connection	Y connection	Y connection	Y connection	Y connection	Y connection
Terminals	12	12	12	12	12
Bearing	single bearing	single bearing	single bearing	single bearing	single bearing
IP Rating	IP23	IP23	IP23	IP23	IP23
Insulation Rating	H	H	H	H	H
Output Voltage (V)	400	400	400	400	400
Noise Level (7m)dB(A)	78	77	78	79	80
Continuous Running Time (h)	8	9	9	7	10
Silent Type: Overall Dimension (mm)(LxWxH)	3620X1232X2050	3620X1232X2050	3910X1332X2050	4260X1450X2100	4260X1450X2100
Silent Type: Net Weight (kg)	2450	2450	2810	3850	3850
Silent Type: Fuel Tank Capacity (L)	575	575	758	765	765
Open Type: Overall Dimension (mm)(LxWxH)	2830x1300x1670	2830x1300x1670	2900x1300x1670	3250x1350x1800	3250x1350x1800
Open Type: Net Weight (kg)	1640	1640	1900	2400	2400
Open Type: Fuel Tank Capacity (L)	400	400	410	500	500

50Hz | Three Phase

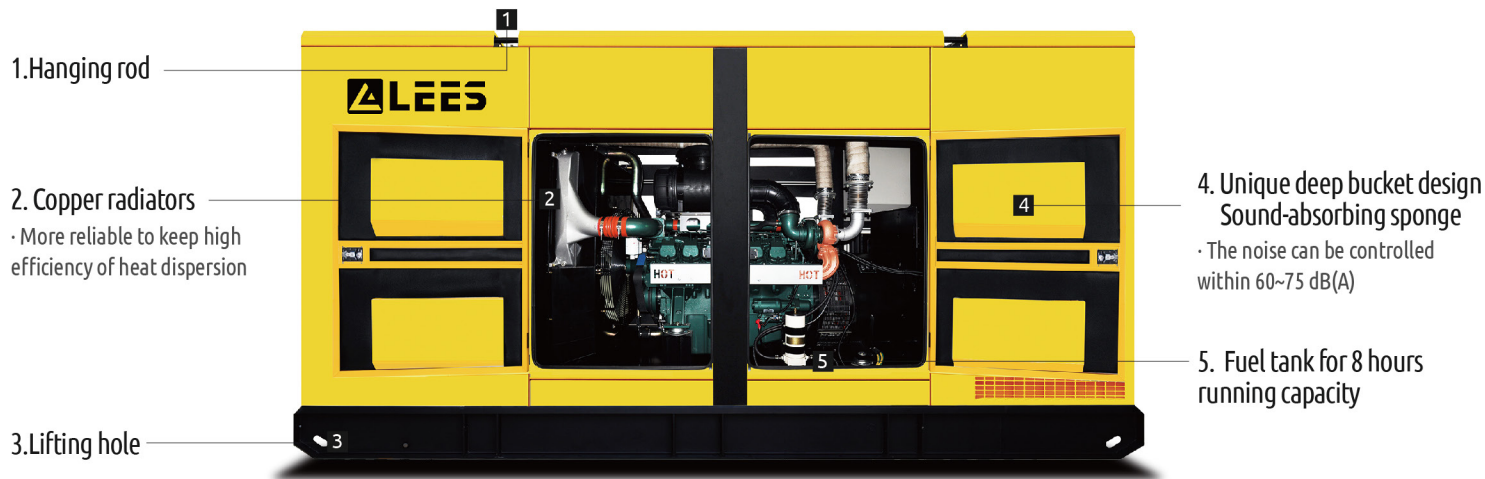
Model	LSV415S3	LSV550S3	LSV655S3	LSV700S3	LSV770S3
Prime Power (kVA)	377	500	595	636	700
Standby Power (kVA)	415	550	655	700	770
Prime Power (kW)	302	400	476	509	560
Standby Power (kW)	332	440	524	560	616
Rated Frequency (Hz)	50	50	50	50	50
Rated Voltage (V)	400	400	400	400	400
Rated Current (A)	544.2	721.7	858.8	918.0	1010.4
Rated Speed (r/min)	1500	1500	1500	1500	1500
Engine Brand	VOLVO	VOLVO	VOLVO	VOLVO	VOLVO
Engine Model	TAD1343GE	TAD1641GE	TAD1642GE	TWD1643GE	TWD1645GE
Cylinder No. & Configuration	6 cylinder Diesel L type				
Working Mode	Turbocharged and air-cooled charge air				
Bore x Stroke (mm)	131*158	144*165	144*165	144*165	144*165
Displacement (L)	12.78	16.12	16.12	16.12	16.12
Compression Ratio	18.1:1	16.5: 1	16.5: 1	16.5: 1	16.8: 1
Rated Power (kW)	325	430	503	536	595
Rated Speed	1500	1500	1500	1500	1500
Lubrication System	Splash Lubrication				
Lube Oil	CH15W-40				
Lube Oil Capacity (L)	36	48	48	48	48
Battery Capacity	6-QW-120(850)*2	6-QW-120(850)*2	6-QW-120(850)*2	6-QW-120(850)*2	6-QW-120(850)*2
Fuel Type	0#	0#	0#	0#	0#
Fuel Consumption 25% load (L/H)	23	29	34	37	41
Fuel Consumption 50% load (L/H)	41	54	63	67	78
Fuel Consumption 75% load (L/H)	60	80	94	100	111
Fuel Consumption 100% load (L/H)	79	109	128	135	144
Phase	3	3	3	3	3
Poles	4	4	4	4	4
Loop Mode	Three phase four wire				
Excitation System	Brushless self-excited constant voltage (AVR)				
Power Factor (cosΦ)	0.8	0.8	0.8	0.8	0.8
Winding Pitch	2/3	2/3	2/3	2/3	2/3
Winding Connection	Y connection	Y connection	Y connection	Y connection	Y connection
Terminals	12	12	12	12	12
Bearing	single bearing	single bearing	single bearing	single bearing	single bearing
IP Rating	IP23	IP23	IP23	IP23	IP23
Insulation Rating	H	H	H	H	H
Output Voltage (V)	400	400	400	400	400
Noise Level (7m)dB(A)	81	81	83	85	85
Continuous Running Time (h)	6	12	7	13	6
Silent Type: Overall Dimension (mm)(LxWxH)	4260x1450x2100	4700x1630x2350	4700x1630x2350	4700x1630x2350	5350x1912x2658
Silent Type: Net Weight (kg)	4090	4760	5000	5230	5900
Silent Type: Fuel Tank Capacity (L)	765	1331	1331	1331	1000(optional)
Open Type: Overall Dimension (mm)(LxWxH)	3200x1350x1800	3600x1680x2300	3600x1680x2300	3600x1680x2300	4100x1710x2200
Open Type: Net Weight (kg)	2640	3060	3310	3540	4200
Open Type: Fuel Tank Capacity (L)	500	735	735	735	1000(optional)



**LEES
PROJECTS**
Powered by Volvo



Product Features



⚡ Features of Doosan engine

• Accessory drive

Single Poly Vee belt drive for fan, alternator and water pump, with self-tensioning idle for minimum maintenance.

• Complete rebuild ability

Cylinder block has multiple rebore capability.
Service cylinder sleeves and valve guides are also available.

• Low fuel consumption

Excellent fuel consumption with B.S.F.C 215g/kw.h .

• Cold start capability

Minimum ambient temperature for unaided cold start -12°C.
Minimum ambient temperature for aided (with coolant heater) cold start -35°C.

⚡ Features of alternator

- 12 wire reconnectable stator/terminal arrangement.
- Easy access for installation and maintenance.
- 2/3 pitch winding as standard, to avoid excessive neutral currents.
- Class H insulation with severe environmental protection as standard .
- Built to conform with all leading industrial and marine standards.
- 460 AVR as standard with 1.5% regulation and 2 phase sensing.
- IP23 as standard.

⚡ Features of DSE controller

- The DSE7320 is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single, diesel or gas, gen-set applications.
- Monitoring an extensive number of engine parameters, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LEDs, remote PC and via SMS test alerts (with external modem).
- The DSE7320 will also monitor the mains (utility) supply. The modules include USB, RS232 and RS485 ports as well as dedicated DSENet terminals for system expansion.

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LEES[®]

Comprehensive Power Solutions