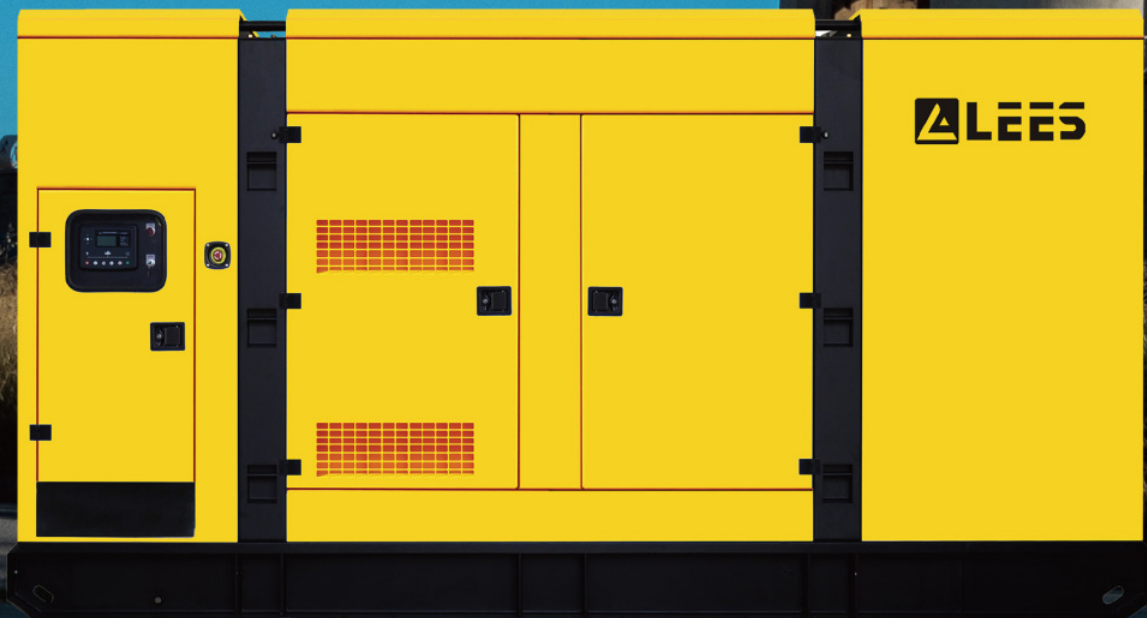




LEES VOLVO SERIES GENERATORS

*Comprehensive
Power Solutions*

60 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



60Hz | Three Phase

Model	LSV17553-6	LSV23053-6	LSV25053-6	LSV27553-6	LSV38053-6	LSV44053-6
Prime Power (kVA)	158	210	221	250	345	400
Standby Power (kVA)	175	230	250	275	380	440
Prime Power (kW)	126	168	177	200	276	320
Standby Power (kW)	140	184	200	220	304	352
Rated Frequency (Hz)	60	60	60	60	60	60
Rated Voltage (V)	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480
Rated Current (A)	-	-	-	-	-	-
Rated Speed (r/min)	1800	1800	1800	1800	1800	1800
Engine Brand	VOLVO	VOLVO	VOLVO	VOLVO	VOLVO	VOLVO
Engine Model	TAD731GE	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)	108x130	108x130	108x130	108x130	131x158	131x158
Displacement (L)	7.15	7.15	7.15	7.15	12.78	12.78
Compression Ratio	18:01	18:01	18:01	17:01	18.1:1	18.1:1
Rated Power (kW)	140	179	192	222	287	345
Rated Speed	1800	1800	1800	1800	1800	1800
Lubrication System	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication
Lube Oil	CH15W-40	CH15W-40	CH15W-40	CH15W-40	CH15W-40	CH15W-40
Lube Oil Capacity (L)	20	34	34	29	36	36
Battery Capacity	6-QW-80(600)*1	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#	0#
Fuel Consumption 25% load (L/H)	12	15	15	18	21	26
Fuel Consumption 50% load (L/H)	20	26	27	33	38	45
Fuel Consumption 75% load (L/H)	29	37	40	46	55	66
Fuel Consumption 100% load (L/H)	38	50	54	57	73	88
Phase	3	3	3	3	3	3
Poles	4	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	0.8
Winding Pitch	2/3	2/3	2/3	2/3	2/3	2/3
Winding Connection	Y connection	Y connection	Y connection	Y connection	Y connection	Y connection
Terminals	12	12	12	12	12	12
Bearing	single bearing	single bearing	single bearing	single bearing	single bearing	single bearing
IP Rating	IP23	IP23	IP23	IP23	IP23	IP23
Insulation Rating	H	H	H	H	H	H
Output Voltage (V)	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480
Noise Level (7m)dB(A)	78	78	77	78	79	80
Continuous Running Time (h)	7	6	8	7	6	5
Silent Type: Overall Dimension (mm)(LxWxH)	3360x1110x1750	3620x1232x2050	3620x1232x2050	3910x1332x2050	4260x1450x2100	4260x1450x2100
Silent Type: Net Weight (kg)	2055	2410	2410	2480	3770	3850
Silent Type: Fuel Tank Capacity (L)	393	575	575	758	765	765
Open Type: Overall Dimension (mm)(LxWxH)	2760x1150x1380	2900x1300x1670	2900x1300x1670	2900x1300x1670	3250x1350x1800	3250x1350x1800
Open Type: Net Weight (kg)	1510	1600	1600	1670	2320	2400
Open Type: Fuel Tank Capacity (L)	320	400	410	410	500	500

60Hz | Three Phase

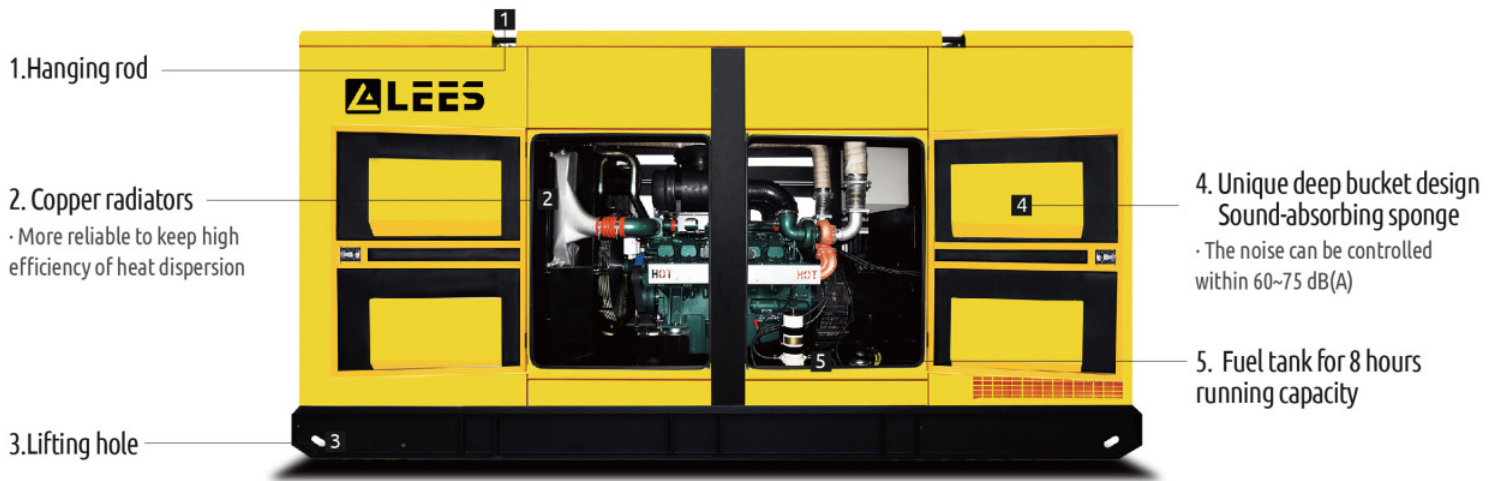
Model	LSV455S3-6	LSV510S3-6	LSV630S3-6	LSV700S3-6	LSV763S3-6	LSV800S3-6
Prime Power (kVA)	415	460	575	630	695	727
Standby Power (kVA)	455	510	630	700	763	800
Prime Power (kW)	332	368	460	504	556	582
Standby Power (kW)	364	408	504	560	610	640
Rated Frequency (Hz)	60	60	60	60	60	60
Rated Voltage (V)	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480
Rated Current (A)	-	-	-	-	-	-
Rated Speed (r/min)	1800	1800	1800	1800	1800	1800
Engine Brand	VOLVO	VOLVO	VOLVO	VOLVO	VOLVO	VOLVO
Engine Model	TAD1343GE	TAD1344GE	TAD1641GE	TAD1642GE	TWD1643GE	TWD1645GE
Cylinder No. & Configuration	6 cylinder Diesel L type					
Working Mode	Turbocharged and air-cooled charge air					
Bore x Stroke (mm)	131x158	131x158	144x165	144x165	144x165	144x165
Displacement (L)	12.78	12.78	16.12	16.12	16.12	16.12
Compression Ratio	18.1:1	18.1:1	16.5:1	16.5:1	16.5:1	16.8:1
Rated Power (kW)	353	392	485	532	585	619
Rated Speed	1800	1800	1800	1800	1800	1800
Lubrication System	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication
Lube Oil	CH15W-40	CH15W-40	CH15W-40	CH15W-40	CH15W-40	CH15W-40
Lube Oil Capacity (L)	36	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	6-QW-120(850)*2
Fuel Type	0#	0#	0#	0#	0#	0#
Fuel Consumption 25% load (L/H)	26	28	35	38	41	46
Fuel Consumption 50% load (L/H)	46	51	63	69	75	82
Fuel Consumption 75% load (L/H)	67	74	93	102	110	117
Fuel Consumption 100% load (L/H)	90	100	127	141	150	153
Phase	3	3	3	3	3	3
Poles	4	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	0.8
Winding Pitch	2/3	2/3	2/3	2/3	2/3	2/3
Winding Connection	Y connection	Y connection	Y connection	Y connection	Y connection	Y connection
Terminals	12	12	12	12	12	12
Bearing	single bearing	single bearing	single bearing	single bearing	single bearing	single bearing
IP Rating	IP23	IP23	IP23	IP23	IP23	IP23
Insulation Rating	H	H	H	H	H	H
Output Voltage (V)	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480	220/240/416/440/480
Noise Level (7m)dB(A)	81	82	81	83	85	85
Continuous Running Time (h)	5	5	4	6	6	6
Silent Type: Overall Dimension (mm)(LxWxH)	4260x1450x2100	4260x1450x2100	4700x1630x2350	4700x1630x2350	4700x1630x2350	5350x1912x2658
Silent Type: Net Weight (kg)	3850	3960	4700	5000	5000	5900
Silent Type: Fuel Tank Capacity (L)	765	765	1331	1331	1331	1000(optional)
Open Type: Overall Dimension (mm)(LxWxH)	3200x1350x1800	3250x1350x1800	3600x1680x2300	3600x1680x2300	3600x1680x2300	4100x1710x2200
Open Type: Net Weight (kg)	2400	2510	3000	3310	3310	4200
Open Type: Fuel Tank Capacity (L)	500	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℃.

Minimum ambient temperature for aided (with coolant heater) cold start -35℃.

⚡ 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 text 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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