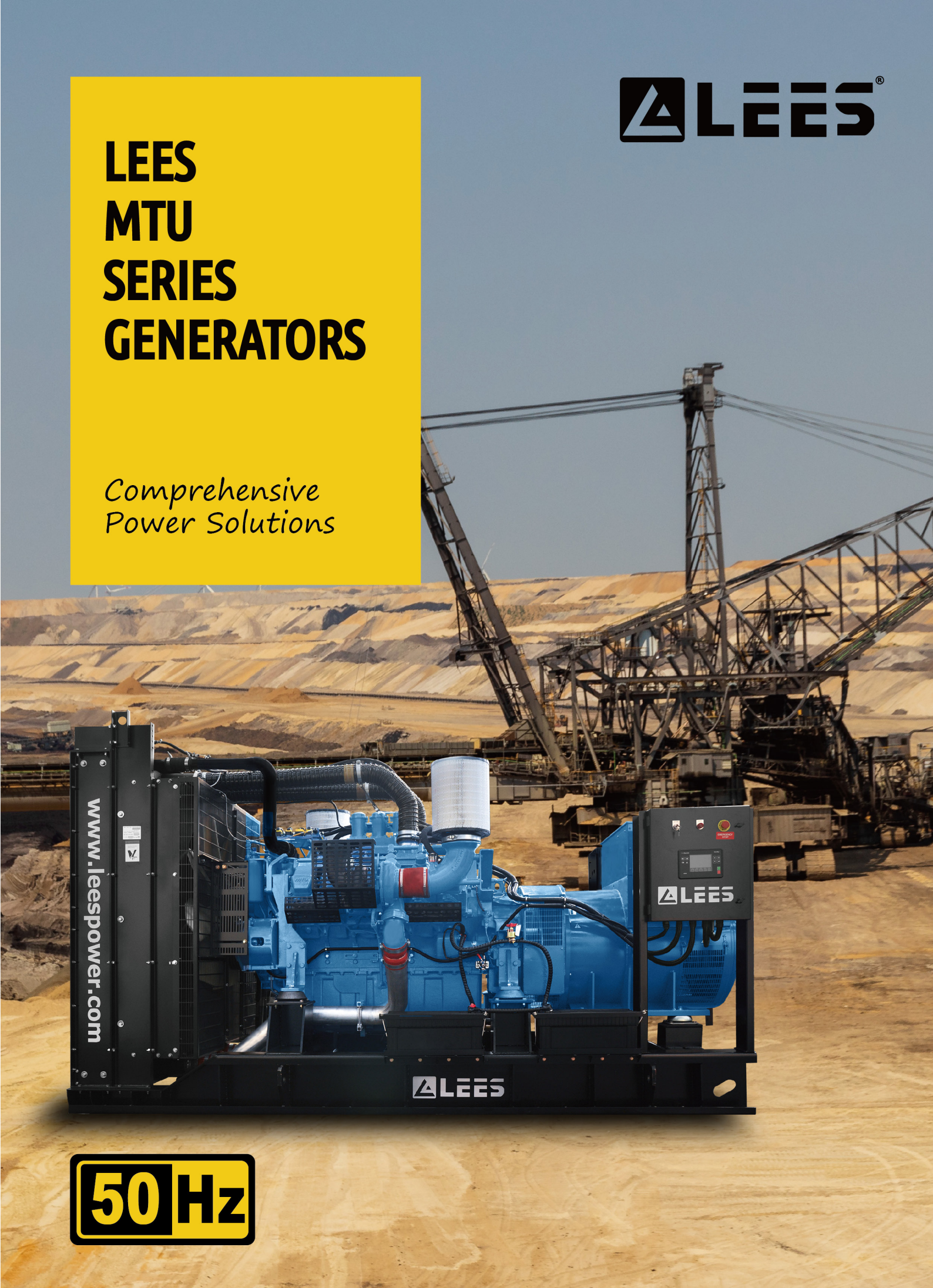
LEES MTU SERIES GENERATORS

Comprehensive Power Solutions



50 Hz

About

LEES MTU generators have a wide power range from 650~4000kVA.

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

WHY DO YOU CHOOSE LEES MTU SERIES GENERATOR?

- **Performance:** Best engines ensure the best performance and the strongest power, which make sure gensets work smoothly.
- **Customer service:** Reliable MTU global after sale service, which make sure customers have a worry free experience.
- **Optimization:** LEES make some improvements for the MTU 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 MTU 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.

Standards ISO 9001:2008

Standards ISO 8528-5

Standards NFPA110

Outstanding FUEL ECONOMY

Optimized MAINTENANCE INTERVALS

MTU
50 Hz

50Hz | Three Phase

	Model	LSM715S3	LSM880S3	LSM1000S3	LSM1100S3	LSM1250S3	LSM1800S3
	Prime Power (kVA)	650	800	900	1000	1100	1610
	Standby Power (kVA)	715	880	1000	1100	1250	1800
	Prime Power (kW)	520	640	720	800	880	1288
	Standby Power (kW)	572	704	800	880	1000	1440
	Rated Frequency (Hz)	50	50	50	50	50	50
	Rated Voltage (V)	400	400	400	400	400	400
	Rated Current (A)	938.2	1154.7	1299.1	1443.4	1587.8	2323.9
	Rated Speed (r/min)	1500	1500	1500	1500	1500	1500
ENGINE	Engine Brand	MTU	MTU	MTU	MTU	MTU	MTU
ENGINE	Engine Model	12V2000G25	12V2000G65	16V2000G25	16V2000G65	18V2000G65	12V4000G23
ENGINE	Cylinder No.& Configuration	12 cylinder Diesel.VEE type		16 cylinder Diesel.VEE type		18 cylinder Diesel.VEE type	12 cylinder Diesel.VEE type
ENGINE	Working Mode	Turbocharged and air-cooled charge air					
ENGINE	Bore x Stroke (mm)	130*150	130*150	130*150	130*150	130*150	170*210
ENGINE	Displacement (L)	23.88	23.88	31.84	31.84	35.82	57.2
ENGINE	Compression Ratio	16:01	16:01	16:01	16:01	16:01	16.4:1
ENGINE	Rated Power (kW)	580	695	810	890	1000	1420
ENGINE	Rated Speed	1500	1500	1500	1500	1500	1500
ENGINE	Lubrication System	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication
ENGINE	Lube Oil	CH15W-40	CH15W-40	CH15W-40	CH15W-40	CH15W-40	CH15W-40
ENGINE	Lube Oil Capacity (L)	77	77	102	102	130	260
ENGINE	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-200EP*4
ENGINE	Fuel Type	0#	0#	0#	0#	0#	0#
ENGINE	Fuel Consumption 25% load (L/H)	44.38	50.75	58.12	62.73	70.49	105.95
ENGINE	Fuel Consumption 50% load (L/H)	79.18	92.68	104.41	113.60	129.54	183.05
ENGINE	Fuel Consumption 75% load (L/H)	113.80	134.38	152.76	166.15	190.50	263.75
ENGINE	Fuel Consumption 100% load (L/H)	149.53	177.41	203.68	227.19	255.27	340.84
ALTERNATOR	Phase	3	3	3	3	3	3
ALTERNATOR	Poles	4	4	4	4	4	4
ALTERNATOR	Loop Mode	Three phase four wire					
ALTERNATOR	Excitation System	Brushless self-excited constant voltage (AVR)					
ALTERNATOR	Power Factor (cosΦ)	0.8	0.8	0.8	0.8	0.8	0.8
ALTERNATOR	Winding Pitch	2/3	2/3	2/3	2/3	2/3	2/3
ALTERNATOR	Winding Connection	Y connection	Y connection	Y connection	Y connection	Y connection	Y connection
ALTERNATOR	Terminals	12	12	12	12	12	12
ALTERNATOR	Bearing	single bearing	single bearing	single bearing	single bearing	single bearing	single bearing
ALTERNATOR	IP Rating	IP23	IP23	IP23	IP23	IP23	IP23
ALTERNATOR	Insulation Rating	H	H	H	H	H	H
GENSET	Output Voltage (V)	400	400	400	400	400	400
GENSET	Noise Level (7m)dB(A)	80	80	81	82	82	83
GENSET	Continuous Running Time (h)	8	8	8	8	8	8
GENSET	Silent Type: Overall Dimension (mm)(LxWxH)	ISO 20'ft GP	ISO 20'ft GP	ISO 20'ft GP	ISO 20'ft GP	ISO 20'ft HQ	ISO 40'ft HQ
GENSET	Silent Type: Net Weight (kg)	9500	10200	12500	13000	13500	17600
GENSET	Silent Type: Fuel Tank Capacity (L)	1000(optional)	1000(optional)	1000(optional)	1000(optional)	1000(optional)	1000(optional)
GENSET	Open Type: Overall Dimension (mm)(LxWxH)	4200x1700x2080	4200x1700x2400	5000x2200x2850	5000x2200x2850	5100x2200x2850	6000x2240x2920
GENSET	Open Type: Net Weight (kg)	6000	7000	7930	9000	9500	12331
GENSET	Open Type: Fuel Tank Capacity (L)	1000(optional)	1000(optional)	1000(optional)	1000(optional)	1000(optional)	1000(optional)

MTU
50 Hz

50Hz | Three Phase

	Model	LSM2000S3	LSM2250S3	LSM2500S3	LSM2780S3	LSM3050S3	LSM3300S3
	Prime Power (kVA)	1800	2050	2250	2500	2750	3000
	Standby Power (kVA)	2000	2250	2500	2780	3050	3300
	Prime Power (kW)	1440	1640	1800	2000	2200	2400
	Standby Power (kW)	1600	1800	2000	2224	2440	2640
	Rated Frequency (Hz)	50	50	50	50	50	50
	Rated Voltage (V)	400	400	400	400	400	400
	Rated Current (A)	2598.2	2959.0	3247.7	3608.5	3969.4	4330.3
	Rated Speed (r/min)	1500	1500	1500	1500	1500	1500
ENGINE	Engine Brand	MTU	MTU	MTU	MTU	MTU	MTU
ENGINE	Engine Model	12V4000G63	16V4000G23	16V4000G63	20V4000G23	20V4000G63	20V4000G63L
ENGINE	Cylinder No.& Configuration	12 cylinder Diesel.VEE type	16 cylinder Diesel.VEE type			20 cylinder Diesel.VEE type	
ENGINE	Working Mode	Turbocharged and air-cooled charge air					
ENGINE	Bore x Stroke (mm)	170*210	170*210	170*210	170*210	170*210	170*210
ENGINE	Displacement (L)	57.2	76.3	76.3	95.4	95.4	95.4
ENGINE	Compression Ratio	16.4:1	16.4:1	16.4:1	16.4:1	16.4:1	16.4:1
ENGINE	Rated Power (kW)	1575	1798	1965	2200	2420	2590
ENGINE	Rated Speed	1500	1500	1500	1500	1500	1500
ENGINE	Lubrication System	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication	Splash Lubrication
ENGINE	Lube Oil	CH15W-40	CH15W-40	CH15W-40	CH15W-40	CH15W-40	CH15W-40
ENGINE	Lube Oil Capacity (L)	260	300	300	390	390	390
ENGINE	Battery Capacity	6-QW-200EP*4	6-QW-200EP*4	6-QW-200EP*4	6-QW-200EP*4	6-QW-200EP*4	6-QW-200EP*4
ENGINE	Fuel Type	0#	0#	0#	0#	0#	0#
ENGINE	Fuel Consumption 25% load (L/H)	113.51	130.16	140.37	167.64	174.42	184.20
ENGINE	Fuel Consumption 50% load (L/H)	200.03	229.49	250.80	294.77	310.41	328.93
ENGINE	Fuel Consumption 75% load (L/H)	289.54	327.11	357.49	408.62	444.87	473.66
ENGINE	Fuel Consumption 100% load (L/H)	384.05	429.29	471.66	536.45	583.95	631.55
ALTERNATOR	Phase	3	3	3	3	3	3
ALTERNATOR	Poles	4	4	4	4	4	4
ALTERNATOR	Loop Mode	Three phase four wire					
ALTERNATOR	Excitation System	Brushless self-excited constant voltage (AVR)					
ALTERNATOR	Power Factor (cosΦ)	0.8	0.8	0.8	0.8	0.8	0.8
ALTERNATOR	Winding Pitch	2/3	2/3	2/3	2/3	2/3	2/3
ALTERNATOR	Winding Connection	Y connection	Y connection	Y connection	Y connection	Y connection	Y connection
ALTERNATOR	Terminals	6	6	6	6	6	6
ALTERNATOR	Bearing	single bearing	single bearing	single bearing	single bearing	single bearing	single bearing
ALTERNATOR	IP Rating	IP23	IP23	IP23	IP23	IP23	IP23
ALTERNATOR	Insulation Rating	H	H	H	H	H	H
GENSET	Output Voltage (V)	400	400	400	400	400	400
GENSET	Noise Level (7m)dB(A)	82	84	85	87	88	88
GENSET	Continuous Running Time (h)	8	8	8	8	8	8
GENSET	Silent Type: Overall Dimension (mm)(LxWxH)	ISO 40'ft HQ	ISO 40'ft HQ	ISO 40'ft HQ	ISO 40'ft HQ	ISO 40'ft HQ	ISO 40'ft HQ
GENSET	Silent Type: Net Weight (kg)	18000	23000	23600	26000	26500	26500
GENSET	Silent Type: Fuel Tank Capacity (L)	1000(optional)	1000(optional)	1000(optional)	1000(optional)	1000(optional)	1000(optional)
GENSET	Open Type: Overall Dimension (mm)(LxWxH)	6000x2700x3400	6000x2700x3400	6000x2700x3400	6000x2700x3400	6000x2700x3400	6000x2700x3400
GENSET	Open Type: Net Weight (kg)	12000	15000	15600	18500	19000	19000
GENSET	Open Type: Fuel Tank Capacity (L)	1000(optional)	1000(optional)	1000(optional)	1000(optional)	1000(optional)	1000(optional)

LEES PROJECTS

Powered by MTU

Product Features

1. Copper radiators
· More reliable to keep high efficiency of heat dispersion

2.Maintenance free batteries
· Equipped the battery switch

3.Lifting hole

4.Emergency stop button

5. Intelligent control
· Deepsea controller

6. Stable performance
· Stamford / Leroy Somer alternator

7. Fuel tank for 8 hours running capacity

1.Warning lights

2. Unique deep bucket design
Sound-absorbing sponge
· The noise can be controlled within 60~75 dB(A)

3.External ladder

4.Shutters
· Excellent capacities of heat dissipation

5.Humanized design

6.Shipping directly
· Standard container in line with international container security convention

www.leespower.com
Tel: 0086-510-85168446
Email: lees@leespower.com
Facebook: @leesgenerator
Add: 312 National Highway, Luoshe, Huishan District, Wuxi, China, 214000

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