

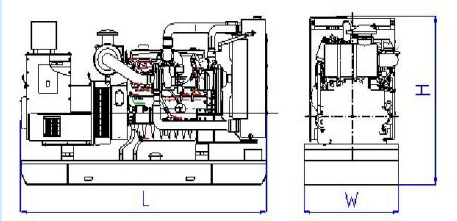
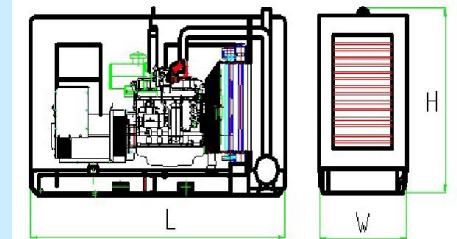
**ENLV688-3**

Standby power : 688KVA/550KW

Prime power : 625KVA/500KW

**Standard features**

- Engine: VOLVO , TAD1642GE
- Charge alternator : 24V
- Governor : EMS2
- Generator : LEROY SOMER , LSA47.2 M7
- Single bearing alternator IP 23
- Insulation class H/H
- Radiator 50°C max with coolant cap
- Skid and vibration isolators
- Dry type air filter
- Main line circuit breaker
- 24V battery and cable
- Industrial muffler
- User's manual

	<b>Open Type</b> Overall size (L*W*H) 3300mm×1160mm×2000mm Weight: 3450kg
	<b>Silent Type</b> Overall size (L*W*H) 4688mm×1660mm×2250mm Weight: 5590kg

**Generator Ratings**

3-PH, 60Hz@1500RPM, 480/277V (Also Can Be Made According To Customers' Special Requirements)

Voltage	Hz	Phase	Power factor	Standby AMP	Standby rating (KVA/KW)	Primerating (KVA/KW)
480/277	60	3	0.8	827	688/550	625/500

**Engine data**

Manufacturer/Model	VOLVO TAD1642GE, 4-cycle
Cylinder /Arrangement	6 / L
Displacement	16.12L
Bore and Stroke	144 mm×165 mm
Compression ratio	16.5: 1
Rated RPM	1800 RPM
Max. stand by power at rated RPM	585KW
Frequency regulation , steady state	≤ 1%
Governor : type	EMS2

**Exhaust System**

Exhaust gas flow	117m <sup>3</sup> /min
Exhaust temperature	516°C
Max back pressure	10kPa

**Fuel System**

Fuel consumption 100% (of the Prime Power)	200L/h
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**Oil System**

Total oil capacity w/filters	48L
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**Air intake**

Engine air flow	738m <sup>3</sup> /min
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**Coolant System**

Radiator & engine capacity	60L
Max water temperature	103°C
Thermostat	86-96°C

**Generator Data**

**Optional:** STAMFORD, MARATHON, MECALETE, SMF.

Alternator Model	LSA47.2 M7( LEROY SOMER ) Please Refer To The“ Genset Main Technical Data”
Phase/Connect	3-phase 4-wire ,Y type connection
Excitation Model	Self-excite,automatic voltage regulation,Insulation:H,Bruhless,Enclosure:IP21—IP23
Power Factor	0.8
The regulating rate of instantaneous voltage:	-15%~ +20%
The time of steady voltage:	≤1.5sec
The waving rate of voltage:	≤1.0%
The regulating rate of steady frequency:	≤5%
regulating rate of instantaneous frequency:	≤±10%
The time of steady frequency:	3sec
The waving rate of frequency:	≤1%

**Control panel****Optional:** DSE3110, AMF20, HGM6110, HGM6120.....

The DSE6010 is an Auto Start Control Module and the DSE6020 is an Auto Mains (Utility) Failure Control Module for single gen-set applications .

Both modules have been designed to work with electronic and non electronic engines providing advanced engine monitoring and protection features .