

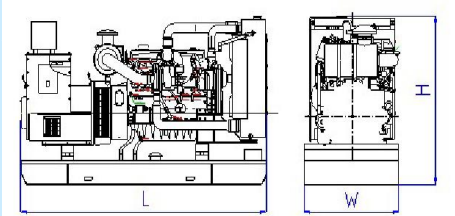
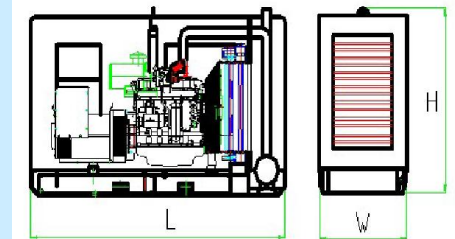
**ENLV642-3**

Standby power : 642KVA/514KW

Prime power : 570KVA/456KW

Standard features

- Engine: VOLVO , TAD1641GE
- Charge alternator : 24V
- Governor : EMS2
- Generator : LEROY SOMER , LSA47.2 S5
- 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

	Open Type Overall size (L*W*H) 3300mm×1275mm×1980mm Weight: 3450kg
	Silent Type Overall size (L*W*H) 4630mm×1660mm×2250mm Weight: 6590kg

Generator Ratings

3-PH, 60Hz@1800RPM, 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	771	642/514	570/456

Engine data

Manufacturer/Model	VOLVO TAD1641GE, 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	546KW
Frequency regulation , steady state	≤ 1%
Governor : type	EMS2

**Exhaust System**

Exhaust gas flow	110m ³ /min
Exhaust temperature	479°C
Max back pressure	10kPa

Fuel System

Fuel consumption 100% (of the Prime Power)	117L/h
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Oil System

Total oil capacity w/filters	48L
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Air intake

Engine air flow	744m ³ /min
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Coolant System

Radiator & engine capacity	60L
Max water temperature	107°C
Thermostat	86-96°C

Generator Data

Optional: STAMFORD, MARATHON, MECALETE, SMF.

Alternator Model	LSA47.2 S5 (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 .