



Data Sheet

ENLV440-3

Standby power : 440KVA/352KW

Prime power : 400KVA/320KW

Standard features

- Engine: VOLVO , TAD1343GE
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROY SOMER , LSA47.2 VS1
- 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

	<p>Open Type</p> <p>Overall size (L*W*H) 3130mm×1115mm×1800mm Weight: 2900kg</p>
	<p>Silent Type</p> <p>Overall size (L*W*H) 4225mm×1460mm×2150mm Weight: 4300kg</p>

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	529	440/352	400/320

Engine data

Manufacturer/Model	VOLVO TAD1343GE, 4-cycle
Cylinder /Arrangement	6 / L
Displacement	12.78L
Bore and Stroke	131 mm×158 mm
Compression ratio	18: 1
Rated RPM	1800 RPM
Max. stand by power at rated RPM	388KW
Frequency regulation , steady state	≤ 1%
Governor : type	EMS2



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Exhaust System

Exhaust gas flow	71m ³ /min
Exhaust temperature	498°C
Max back pressure	10kPa

Fuel System

Fuel consumption 100% (of the Prime Power)	80.6L/h
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Oil System

Total oil capacity w/filters	36L
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Air intake

Engine air flow	498m ³ /min
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Coolant System

Radiator & engine capacity	44L
Max water temperature	107°C
Thermostat	82-95°C

Generator Data

Optional: STAMFORD, MARATHON, MECALETE, SMF.

Alternator Model	LSA47.2 VS1(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,Brushless,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%



Data Sheet

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 .