

GENERATING SET GSW510V



The image is purely indicative. Refer to the installation plan for more details.

MAIN FEATURES

Frequency	Hz	50
Voltage	V	400
Power factor	$\cos \phi$	0.8
Phase and connection		3

POWER RATING

Standby power LTP	kVA	505.89
Standby power LTP	kW	404.71
Prime power PRP	kVA	455.42
Prime power PRP	kW	364.34
Continuous power COP	kVA	318.79
Continuous power COP	kW	255.03

ENGINE SPECIFICATIONS

Brand	Volvo
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Model	TAD1345GE	
Version	50 Hz	
Nr. of cylinder and disposition	6 in line	
Displacement	cm ³	12780
Aspiration	Turbocharged intercooled	
Speed governor	Electronic	
Operating Speed-Nominal	rpm	1500
Continuous gross power COP	kW	281.6
Prime gross power PRP	kW	398
Maximum gross power LTP	kW	441
Oil capacity	L	36
Coolant capacity	L	44
Fuel	Diesel	
Specific fuel consumption @ 100% COP	g/kWh	197
Specific fuel consumption @ 75% PRP	g/kWh	197
Specific fuel consumption @ PRP	g/kWh	196
Starting engine capability	kW	7
Electric circuit	V	24

ALTERNATOR SPECIFICATIONS

Brand	Mecc Alte	
Model	ECO40-3S/4	
Class	H	
IP protection	21	
Poles	4	
Frequency tolerance	%	0.5
Voltage tolerance	%	1
Cooling air	m ³ /s	0.9

DIMENSIONAL DATA

Installation drawing		
Length	mm	3951
Width	mm	1438
Height	mm	2095
Dry weight	kg	4100

INSTALLATION DATA

Exhaust gas flow @ PRP	m³/min	77
Exhaust gas temperature @ LTP	°C	490

ADDITIONAL INFORMATION

Fuel tank capacity	L	636
Fuel tank capacity before low fuel level alarm	L	58
MAX current	A	730.21
Circuit breaker	A	800
Fuel consumption @ 100% COP	L/h	65.84
Fuel consumption @ 75% PRP	L/h	70.38
Fuel consumption @ 100% PRP	L/h	92.87

AUTONOMY

Running time @ 75% PRP	h	9.04
Running time @ 100% PRP	h	6.85

NOISE LEVEL

Measured noise power (LWA)	db(A)	98
Noise pressure level @ 7 mt	db(A)	68.53

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