



ESE 550 VW

Order No. **320272**

Main features

Emergency Standby Power (ESP) [kVA/kW]	556.9/445.5
Prime power (PRP) [kVA/kW]	506.0/404.8
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	730
Power factor cos (phi)	0,8

Measures and weight

Dimensions L x W x H [mm]	3724 x 1590 x 1949
Weight in kg ca.	3471
Fuel tank capacity [l]	650

Autonomy

Running time @ 75% PRP [h]	8,32
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Installation data

Total air flow [m ³ /min]	469
Exhaust gas flow @ PRP [m ³ /min]	79,3
Exhaust gas temperature	449

Technical data and illustrations are not binding. We assume no liability for misprints.

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ENDRESS Elektrogerätebau GmbH
Neckartenzlinger Str. 39
D - 72658 Bempflingen, Germany

Phone.: +49 (0) 7123-9737-0
Fax.: +49 (0) 7123-9737-50
www.endress-generator.com



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Motor	
Brand	Volvo
Model	TAD1346GE
Emission regulation	Stage II
Nr. of cylinder and disposition	6L
Cooling system	Water-cooled
Displacement [ccm]	12780
Engine output (ESP) [kW]	482
Engine output (PRP) [kW]	439
RPM [U/min]	1500
RPM regulation	electronic
Starting system	Electric starter
Electric circuit [V]	24
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	198
Oil capacity [L]	30
Coolant capacity [L]	38
Fuel consumption @ 75% PRP [L/h]	78,16
Fuel consumption @ 100% PRP [L/h]	99,82

LTP - Limited Power in continuous service as ISO 8528-1:2005. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (whose no more than 300 for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

PRP - Power in continuous service as ISO 8528-1:2005. It is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24h of operation shall not exceed 70 % of the prime power.

COP - Base load (continuous) service as ISO 8528-1:2005. It is defined as being the maximum power which the generating set is capable of delivering continuously whilst supplying a constant electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. A 10% overload capacity is available for a period of 1 hour within a 12-hour period of operation.

Ratings definition (ISO-8528)

ESP - Emergency Standby Power: It is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

This CO₂ measurement results from testing over a fixed test cycle under laboratory conditions a(n) (parent) engine representative of the engine type (engine family) and shall not imply or express any guarantee of the performance of a particular engine'.

laboratorio-olosuhteissa tehdyssä kiinteässä testisyklissä, eikä se ole tae yksittäisen moottorin suorituskyvystä".

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Generator	
Brand	MeccAlte ECO38 1M4C
Alternator type	ECO38 1M4 C
Insulation class	H
Protection Class [IP]	23
Poles	4
Frequency [Hz]	50
Voltage tolerance [%]	0,5
Efficiency @ 100% load [%]	94,8

Equipment features	
Automatic control panel with digital control	
Electronic Engine Governer	
Problem-free use, also in winter through use of a standard engine and coolant prewarming	
Manual oil scavenger pump	
Liquid collecting tray to protect the environment	
Terminal board	

Special equipment - not retrofittable	Order No.
Winding Total Protection	auf Anfrage
Metal Fuel tank 2300l (incl. liquid collection tray)	auf Anfrage
Metal Fuel tank 4500l (incl. liquid collection tray)	auf Anfrage
Automatic fuel pump	auf Anfrage
Exhaust System (LWA reduction -15 dB(A) at exhaust gas expulsion point)	auf Anfrage
Exhaust System (LWA reduction -30 dB(A) at exhaust gas expulsion point)	auf Anfrage
Exhaust System (LWA reduction -35 dB(A) at exhaust gas expulsion point)	auf Anfrage
Flexible Exhaust Compensator	auf Anfrage
Exhaust Spark Arrestor	auf Anfrage
→ E-RMA SIM remote monitoring	342 228
→ E-RMA LAN remote monitoring	342 229

Accessories	Order No.
Load transfer switch / E-US 800	343 027

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