ENDRESS®
Power Generators

ESE 250 IW/MS

Order No. **355260**

Main features	
Emergency Standby Power (ESP) [kVA/kW]	275.0/220.0
Prime power (PRP) [kVA/kW]	250.0/200.0
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	360,8
Power factor cos (phi)	0,8
Main circuit breaker [Pole]	4

Measures and weight	
Dimensions L x W x H [mm]	4165 x 1500 x 2130
Weight in kg ca.	4334
Fuel tank capacity [l]	Diesel 800 / DEF 80

Autonomy	
Running time @ 75% PRP [h]	20,21

Noise level	
Sound power level LWA [db(A)]	97
Sound pressure level LPA (7 m) [db(A)]	72

Installation data	
Total air flow [m³/min]	272,8
Exhaust gas flow @ PRP [m³/min]	55
Exhaust gas temperature	600

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www.endress-generators.de

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Motor	
Brand	FPT
Model	C87TEVP01
Emission regulation	Stage V
Nr. of cylinder and disposition	6L
Cooling system	Water-cooled
Displacement [ccm]	8700
RPM [U/min]	1500
RPM regulation	electronic
Starting system	Electric starter
Electric circuit [V]	24
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	199,4
Oil capacity [L]	27
Coolant capacity [L]	43
Lube oil consumption @ PRP (max) [%]	0,25
Fuel consumption @ 75% PRP [L/h]	39,59
Fuel consumption @ 100% PRP [L/h]	52,72

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	
Insulation class	H
Voltage regulation	electronic
Protection Class [IP]	23
Poles	4
Frequency [Hz]	50
Voltage tolerance [%]	0,5

Equipment features
Automatic control panel with digital control
Forklift pockets integrated
Terminal board (Omission with socket combination 3)
Fuel tank with refiling points on both sides
Diesel filter with water trap
Crane loading lug
Main battery switch
Hot engine parts protection
Liquid collecting tray to protect the environment
Manual oil scavenger pump
Document bag
Additional manual operating hours counter
Remote start connection
Earthing kit
Door retainer

Special equipment - not retrofittable	Order No.
Socket combination 2 with RCD Type B (incl. terminal board)	auf Anfrage
Socket combination 3 with RCD Type B (terminal board not available / incl. Insulation monito	auf Anfrage
Insulation monitoring	163 076
Powerlock connector 400A	auf Anfrage
E-RMA SIM remote monitoring	342 228
E-RMA LAN remote monitoring	342 229
Coolant pre-heating	auf Anfrage
Three way fuel valve incl. Quick Fuel Connector	auf Anfrage
Special colour	auf Anfrage

Accessories	Order No.
Load transfer switch / E-US 400	343 025
Chassis HV height adjustable	351 120
Galvanized sliding skids	auf Anfrage

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