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ENDRESS®
Power Generators

ESE 35 YW/IT-TN

Order No. **355325**

Main features	
Emergency Standby Power (ESP) [kVA/kW]	38.5/30.8
Prime power (PRP) [kVA/kW]	35.1/28.1
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	51
Power factor cos (phi)	0,8
Shockproof sockets	1 x CEE 400V / 63A / IP67 / 1h 1 x CEE 400V / 63A / IP67 1 x CEE 400V / 32A / IP67 2 x CEE 400V / 16A / IP67 3 x 230V / 16A / IP68

Measures and weight	
Dimensions L x W x H [mm]	2200 x 1020 x 1423
Weight in kg ca.	871
Fuel tank capacity [l]	80

Autonomy	
Running time @ 75% PRP [h]	12,9

Noise level	
Sound power level LWA [db(A)]	90
Sound pressure level LPA (7 m) [db(A)]	65

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

2024-6-21

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www.endress-generators.de

A PART OF PRETTL

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ENDRESS Power Generators

Motor	
Brand	Yanmar
Model	4TNV98C-IPGE
Emission regulation	Stage V
Nr. of cylinder and disposition	4 in line
Cooling system	Water-cooled
Displacement [ccm]	3319
Stroke [mm]	100
Bore [mm]	98
Compression rate	18.3:1
Engine output (ESP) [kW]	35,7
Engine output (PRP) [kW]	32,6
RPM [U/min]	1500
RPM regulation	electronic
Starting system	Electric starter
Electric circuit [V]	12
Battery [Ah]	80
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	214
Oil capacity [L]	10.5
Coolant capacity [L]	4,5
Fuel consumption @ 75% PRP [L/h]	6,18
Fuel consumption @ 100% PRP [L/h]	8,69

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'.

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Generator	
Brand	MeccAlte ECP32 1S4 C
Alternator type	synchron
Insulation class	Klasse H
Voltage regulation	electronic
Protection Class [IP]	23
Poles	4
Frequency [Hz]	50
Power factor cos (phi)	0,8
Efficiency @ 100% load [%]	87.6
Standard AVR	DSR
Short Circuit Current Capacity [%]	>300

Equipment features
Including IT/TN operating changeover according to DIN/TS 14684
High quality generator according to emission class EU Stage V
Diesel filter with water trap
Automatic control panel with digital control
Liquid collecting tray to protect the environment
Leakage sensor
Crane loading lug
Three-way fuel tap for external refuelling
Integral battery charger incl. 230 V /16 A socket
Oil drain pump
Document bag
Hot engine parts protection
The main battery switch
Insulation monitoring

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Special equipment - not retrofittable	Order No.
Chassis ST rigid	351 106
Chassis HV height adjustable	351 107
Voltage transformer for chassis with height-adjustable drawbar	341 144
Lateral storage boxes incl. chassis widening	342 510
Extension of the chassis approval from 80 km/h to 100km/h	341 138
6 kg ABC fire extinguisher incl. Holder	342 509
Fire extinguisher 5kg CO^2 incl. protection box	342 508
Dummy-Load	342 507
Rear warning system	342 506
Rear warning system removable	342 513
Ambient lighting, LED	342 504
Engine bay lighting	342 514
MELF Box charging receptacle 230V 16A	162 297
MELF Box connecting cable	162 296
Charging current socket Rettbox	163 037
Hand pump mast, D=80mm, H: ca.6m with sockets, Head load 24kg	162 298
Refuelling set, 2x 10m hose (supply + return) incl. conn. to the 3-way fuel valve	162 052
External start Nato socket	162 056
Quick Fuel Connector for three way fuel valve	auf Anfrage
Special colour	auf Anfrage

Accessories	Order No.
E-RMA SIM remote monitoring	342 228
CEE Feed-in cable IT/TN 1h plug -> 1h coupling - CEE 400V / 63A 5m	343 038
CEE Feed-in cable IT/TN 1h plug -> 1h coupling - CEE 400V / 63A 10m	343 037

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