



# ENDRESS

## Power Generators

### ESE 35 YW/RS

Order No. **335273**

#### Main features

Max. Output [LTP] [kVA/kW]	32.5/26.0
Prime power (PRP) [kVA/kW]	30.5/24.4
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	44
Power factor cos (phi)	0,8
Main circuit breaker [Pole]	4
Shockproof sockets	1x CEE 400V / 63A 1x CEE 400V / 32A 1x CEE 400V / 16A 1x 230V / 16A Terminal board

#### Measures and weight

Dimensions L x W x H [mm]	2280x1040x1200
Weight in kg ca.	1105
Fuel tank capacity [l]	190

#### Autonomy

Running time @ 75% PRP [h]	32,2
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#### Noise level

Sound power level LWA [db(A)]	92
Sound pressure level LPA (7 m) [db(A)]	67

#### Installation data

Maximum back pressure [kPa]	7,2
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Technical data and illustrations are not binding. We assume no liability for misprints.

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Motor	
Brand	YANMAR
Model	4TNV98C-GGE
Emission regulation	Stage V
Nr. of cylinder and disposition	4
Cooling system	Water-cooled
Displacement [ccm]	3319
Compression rate	18,3:1
Engine output (COP) [kW]	31,4
Engine output (PRP) [kW]	35,0
RPM [U/min]	1500
RPM regulation	electronic
Starting system	Electric starter
Electric circuit [V]	12
Battery [Ah]	80
Fuel	Diesel
Starting engine capability [kW]	2,3
Fuel consumption @ 75% PRP [L/h]	5,9
Fuel consumption @ 100% PRP [L/h]	8,8

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 CO<sub>2</sub> 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 ECP28VL4C
Alternator type	synchron
Insulation class	Klasse H
Voltage regulation	electronic
Protection Class [IP]	23
Poles	4
Frequency [Hz]	50
Frequency tolerance [%]	±1
Voltage tolerance [%]	1
Power factor cos (phi)	0,8
Efficiency @ 75% load [%]	88,7
Standard AVR	DSR
THD full load LL/LN [%]	2,8/2,8
THD no load LL/LN [%]	3,0/3,1
THF [%]	<2
Short Circuit Current Capacity [%]	>300

#### Equipment features

Soundproofed hood - extra quiet  
Engine according to Emissions Stage V  
Manual/Automatic instrument panel in IP 54  
Base frame with continuous fork-lift plates and ram protection  
Galvanised hood for increased corrosion protection  
Large tank for long running times  
Outlet for external refuelling incl. a three-way fuel tap  
Liquid collecting tray to protect the environment  
Problem-free use, also in winter through use of a standard engine and coolant prewarming  
The main battery switch  
Manual oil scavenger pump  
Remote start connection  
Diesel filter with water trap  
Connection for a 230 V / 16 A battery charge  
Terminal board (Omission with socket combination 3)  
Hot engine parts protection  
Document bag

Special equipment - not retrofittable	Order No.
Socket combination 2 with RCD Type B (incl. terminal board)	342 711
Socket combination 3 with RCD Type B (terminal board will be removed / incl. Insu	342 036
Supplying power to a building IT/TN	342 232
Insulation monitoring	163 076
Potential-free contact	342 030
Twilight switch	342 032
Remote control panel	E135 961
→ E-RMA SIM remote monitoring	<b>342 220</b>
→ E-RMA LAN remote monitoring	<b>342 221</b>
Lastwiderstand / Dummy-Load	auf Anfrage
Special colour	auf Anfrage

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Accessories	Order No.
Chassis ST rigid	351 106
Chassis HV height adjustable	351 107
Float switch (start/stop) 10m	342 033
Load transfer switch	<b>343 017R</b>
Maintenance package 500 h	auf Anfrage

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