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Illustration similar

ENDRESS 
Power Generators

ESE 45 YW/MS

Order No. **355230**

Main features

Emergency Standby Power (ESP) [kVA/kW]	47.5/38.0
Prime power (PRP) [kVA/kW]	43.0/34.4
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	62
Power factor cos (phi)	0,8

Measures and weight

Dimensions L x W x H [mm]	2200 x 1020 x 1423
Weight in kg ca.	883
Fuel tank capacity [l]	80

Autonomy

Running time @ 75% PRP [h]	10,8
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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.

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ESE 45 YW/MS

Order No. 355230



Motor	
Brand	Yanmar
Model	4TNV98CT-IPGE
Emission regulation	Stage V
Nr. of cylinder and disposition	4L
Cooling system	Water-cooled
Displacement [ccm]	3319
Stroke [mm]	100
Bore [mm]	98
Compression rate	17.9:1
Engine output (ESP) [kW]	43,7
Engine output (PRP) [kW]	39,6
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]	212.5
Oil capacity [L]	10.5
Coolant capacity [L]	4.5
Fuel consumption @ 75% PRP [L/h]	7,43
Fuel consumption @ 100% PRP [L/h]	10,55

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'.

performances d'un moteur particulier.»

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Generator	
Brand	MeccAlte ECP32 2S4 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
Short Circuit Current Capacity [%]	>300

Equipment features	
Automatic control panel with digital control	
Diesel filter with water trap	
Crane loading lug	
Main battery switch	
Hot engine parts protection	
Manual oil scavenger pump	
Liquid collecting tray to protect the environment	

Special equipment - not retrofittable	Order No.
Socket combination 1 with RCD Type A (incl. terminal board)	auf Anfrage
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 monitoring)	auf Anfrage
Insulation monitoring	163 076
Terminal board (not available with socket combination 3)	auf Anfrage
Powerlock connector 400A (not available with socket combination 1-3)	auf Anfrage
Remote start device	auf Anfrage
→ E-RMA SIM remote monitoring	342 228
→ E-RMA LAN remote monitoring	342 229
Coolant pre-heating	auf Anfrage
Large fuel tank 24h at a 75% load (incl. leak proof tray)	auf Anfrage
3-way fuel valve	auf Anfrage
Three way fuel valve incl. Quick Fuel Connector	auf Anfrage
Special colour	auf Anfrage

Accessories	Order No.
Load transfer switch / E-US 63	343 017
Chassis ST rigid	351 106
Chassis HV height adjustable	351 107
Galvanized base frame with integrated forklift pockets	auf Anfrage
Dummy-Load	auf Anfrage

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