



# **Power Generators**

ESE 50 YW/RS

Order No. 333275



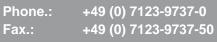
Main features	
Max. Output [LTP] [kVA/kw]	46,0/36,8
Continuous power (PRP) [kVA/kW]	42.0/33.6
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	60,6
Power factor cos (phi)	0,8
Main circuit breaker [Pole]	3
Shockproof sockets	CEE 400V / 63A 1x
	CEE 400V / 32A 1x
	CEE 400V / 16A 1x
	CEE 230V / 16A 1x
	230V / 16A shockproof socket 1x
	Klemmleiste

Measures and weight	
Dimensions L x W x H [mm]	2300 x 950 x 1500
Weight in kg ca.	1146
Fuel tank capacity [l]	200
Autonomy	
Running time @ 75% PRP [h]	24
Noise level	
Sound power level LWA [db(A)]	89
Sound pressure level LPA (7 m) [db(A)]	64
Installation data	
Total air flow [m³/min]	45
Exhaust gas flow @ LTP [m³/min]	5,21
Exhaust gas temperature @ LTP [°C]	550
Maximum back pressure [kPa]	9,81

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

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Motor				
Brand	Yanmar			
Model	4TNV98T-ZGGE			
Emission regulation	3A			
Nr. of cylinder and disposition	4L			
Cooling system	Water-cooled			
Displacement [ccm]	3319			
Bore x Stroke [mm]	98 x 110			
Mean piston speed [m/s]	5,5			
Compression rate	18,1:1			
Engine output (PRP) [kW]	38,2			
Engine output (LTP) [kW]	41,9			
CO2 emissions [g / kWh]	k.A. (Stage III)			
CO2 test procedure	k.A. (Stage III)			
RPM [U/min]	1500			
RPM regulation	electronic			
Starting system	Electric starter			
Electric circuit [V]	12			
Battery [Ah]	70			
> recommended cold cranking amps(without load / with load) [CC/ 622 / 799				
Fuel	Diesel			
Specific fuel consumption @ 75% PRP [g/kWh]	232			
Oil capacity [L]	11,2			
Coolant capacity [L]	8			
Lube oil consumption @ PRP (max) [%]	0,5			
Starting engine capability [kW]	2,3			
Fuel consumption @ 75% PRP [L/h]	8,34			

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.

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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Phone.:

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### **Power Generators**

Generator	
Brand	MeccAlte
Alternator type	synchron
Model	ECO/P32-3S/4
Insulation class	Klasse H
Voltage regulation	electronic
Protection Class [IP]	21
Poles	4
Frequency [Hz]	50
Frequency tolerance [%]	5
Voltage tolerance [%]	1,5
Power factor cos (phi)	0,8
Efficiency @ 75% load [%]	89,1
Standard AVR	DSR
THD full load LL/LN [%]	4
THD no load LL/LN [%]	3,5
THF [%]	<2
Short Circuit Current Capacity [%]	>300

#### **Equipment features**

Soundproofed hood - extra quiet

Engine according to Emissions Stage 3A

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

Prepared for access to the aggregate via smartphone, PC & tablet

The main battery switch

Manual oil scavenger pump

Remote start connection

Diesel filter with water trap

	Special equipment - not retrofittable	Order No.
	Insulation monitoring	163 076
	Potential-free contact	342 030
	Twilight switch	342 032
	ENDRESS Hybrid System EHS 4/11-R	342 231
	Supplying power to a building IT/TN	342 232
	Soot particulate filter	342 400
	Remote control panel	E135 961
	Universal current sensitive FI circuit breaker Type B	342 036

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	Accessories	Order No.
	Chassis ST rigid	341 127
	Chassis HV height adjustable	341 125
	Float switch (start/stop) 10m	342 033
	Load transfer switch	343 018R
<b>→</b>	E-RMA SIM	342 220
<b>→</b>	E-RMA LAN	342 221
<b>→</b>	E-RMA Websupervisor annual fee	342 222
	Maintenance package 500 h	164 026

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