



ESE 20 YW-B

Order No. **315012**

Main features

Max. Output [LTP] [kVA/kW]	19.34/15.47
Prime power (PRP) [kVA/kW]	18.35/14.68
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	26,5
Power factor cos (phi)	0,8
Shockproof sockets	1x CEE 400V / 32A 1x CEE 400V / 16A 2x CEE 230V / 16A 1x 230V / 16A

Measures and weight

Dimensions L x W x H [mm]	1645 x 870 x 1072
Weight in kg ca.	495
Fuel tank capacity [l]	51

Autonomy

Running time @ 75% PRP [h]	13,8
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Noise level

Sound power level LWA [db(A)]	93
Sound pressure level LPA (7 m) [db(A)]	68

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

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Motor	
Brand	YANMAR
Model	4TNV88-BIPGE
Emission regulation	Stage V
Nr. of cylinder and disposition	4L
Cooling system	Water-cooled
Displacement [ccm]	2190
Engine output (PRP) [kW]	16,8
CO2 emissions [g / kWh]	k.A. (Stage V)
CO2 test procedure	k.A. (Stage V)
RPM [U/min]	1500
RPM regulation	mechanical
Starting system	Electric starter
Electric circuit [V]	12
Battery [Ah]	80
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	240
Oil capacity [L]	7,4
Coolant capacity [L]	2,7
Fuel consumption @ 75% PRP [L/h]	3,69

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'.

performances d'un moteur particulier.»

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Generator

Brand	Mecc Alte ECP28-M4 C
Alternator type	ECP28-M4 C
Insulation class	Klasse H
Voltage regulation	electronic
Protection Class [IP]	23
Poles	4
Frequency [Hz]	60
Frequency tolerance [%]	±1
Voltage tolerance [%]	1
Power factor cos (phi)	0,8
Efficiency @ 75% load [%]	89,1
Standard AVR	DSR
THD full load LL/LN [%]	2,0 / 2,0
THD no load LL/LN [%]	3,6 / 3,5
THF [%]	<2
Short Circuit Current Capacity [%]	>300

Equipment features

Engine according to Emissions Stage V
Galvanised hood for increased corrosion protection
Central crane loading lug
Fusing over a circuit breaker
Noise insulating housing for low operating noises

Special equipment - not retrofittable

	Order No.
RCD type B	342 012
Insulation monitoring	163 076
Special colour	auf Anfrage

Accessories

	Order No.
Chassis ST rigid	351 104
Chassis HV height adjustable	351 105
Earthing kit	162 008
Maintenance kit	164 041

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