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ENDRESS

Power Generators

ESE 10 YW-B/A

Order No. **315014A**

Main features

Max. Output [LTP] [kVA/kW]	9.23/7.38
Prime power (PRP) [kVA/kW]	8.70/6.96
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	12,6
Power factor cos (phi)	0,8
Shockproof sockets	CEE 400V / 32A 1x

Measures and weight

Dimensions L x W x H [mm]	1645 x 870 x 1072
Weight in kg ca.	420
Fuel tank capacity [l]	51

Autonomy

Running time @ 75% PRP [h]	26,6
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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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ENDRESS Elektrogerätebau GmbH
Neckartenzlinger Str. 39
D - 72658 Bempflingen, Germany

Phone.: +49 (0) 7123-9737-0
Fax.: +49 (0) 7123-9737-50
www.endress-generators.de



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Motor	
Brand	Yanmar
Model	3TNV80F-NGPGE
Emission regulation	Stage V
Nr. of cylinder and disposition	3L
Cooling system	Water-cooled
Displacement [ccm]	1267
Engine output (PRP) [kW]	8,5
Engine output (LTP) [kW]	9,0
RPM [U/min]	1500
RPM regulation	mechanical
Starting system	Electric starter
Electric circuit [V]	12
Battery [Ah]	70
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	250
Oil capacity [L]	3,4
Coolant capacity [L]	0,9
Starting engine capability [kW]	1,1

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 ECP3-1L
Alternator type	synchron
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 [%]	87,4
Standard AVR	DSR
THD full load LL/LN [%]	2,3 / 2
THD no load LL/LN [%]	2,6 / 2,6
THF [%]	<2
Short Circuit Current Capacity [%]	>300

Equipment features	
Engine according to Emissions Stage V	
Emergency Power Supply	
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
Wireless / cable remote control	auf Anfrage

Accessories	Order No.
Maintenance kit	164 050
Chassis ST rigid	341 100
Chassis HV height adjustable	341 101
Load transfer switch	343 015
Earthing kit	162 008

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