



Abbildung ähnlich /
Illustration similar

ENDRESS

Power Generators

ESE 15 YW-B

Order No. **310011A**

Main features

Max. Output [LTP] [kVA/kW]	14,3/11,44
Prime power (PRP) [kVA/kW]	13.0/10.4
Nominal voltage [V]	400/230
Frequency [Hz]	50
Nominal current 3~ (PRP) [A]	18,8
Power factor cos (phi)	0,8
Main circuit breaker [Pole]	3
Shockproof sockets	CEE 400V / 32A 1x

Measures and weight

Dimensions L x W x H [mm]	1646 x 885 x 1061
Weight in kg ca.	480
Fuel tank capacity [l]	51

Autonomy

Running time @ 75% PRP [h]	17,1
----------------------------	------

Noise level

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

Installation data

Total air flow [m ³ /min]	50,91
Exhaust gas flow @ LTP [m ³ /min]	2,6
Exhaust gas temperature @ LTP [°C]	450
Maximum back pressure [kPa]	12,75

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

2023-11-8

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



ESE 15 YW-B

Order No. 310011A



Power Generators

Motor	
Brand	Yanmar
Model	3TNV88
Emission regulation	****
Nr. of cylinder and disposition	3L
Cooling system	Water-cooled
Displacement [ccm]	1642
Stroke [mm]	88 x 90
Mean piston speed [m/s]	4,5
Compression rate	19,1:1
Engine output (COP) [kW]	12,3
Engine output (PRP) [kW]	12,7
Engine output (LTP) [kW]	13,9
CO2 emissions [g / kWh]	k.A. (Stage III)
CO2 test procedure	k.A. (Stage III)
RPM [U/min]	1500
RPM regulation	mechanical
Starting system	Electric starter
Electric circuit [V]	12
Battery [Ah]	70
> recommended cold cranking amps(without load / with load) [CCA]	413 / 622
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	250
Oil capacity [L]	6,9
Coolant capacity [L]	2
Lube oil consumption @ PRP (max) [%]	0,5
Starting engine capability [kW]	1,2

of the performance of a particular engine'.

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

2023-11-8

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



ESE 15 YW-B

Order No. 310011A



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'.

Generator

Brand	MeccAlte ECP3-2L
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 [%]	87,6
Standard AVR	DSR
THD full load LL/LN [%]	2,2 / 2,0
THD no load LL/LN [%]	2,8 / 2,7
THF [%]	<2
Short Circuit Current Capacity [%]	>300

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

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

2023-11-8

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



Accessories	Order No.
Maintenance kit	auf Anfrage
Chassis ST rigid	341 100
Chassis HV height adjustable	341 101
Load transfer switch	343 000
Earthing kit	162 008