

Imagen semejante /
Illustration similar

ENDRESS®
Power Generators

ESE 900 CW/AS+MPP

Order No. **89332010**

Main features	
Max. Output [LTP] [kVA/kw]	1000/800
Prime power (PRP) [kVA/kW]	909,1/727,3
Nominal voltage [V]	480/277
Frequency [Hz]	60
Nominal current 3~ (PRP) [A]	1093,5
Power factor cos (phi)	0,8
Main circuit breaker [Pole]	3

Measures and weight	
Dimensions L x W x H [mm]	6056x2438x2896
Weight in kg ca.	11500
Fuel tank capacity [l]	1130

Autonomy	
Running time @ 75% PRP [h]	7,2

Installation data	
Total air flow [m³/min]	82,14
Exhaust gas flow @ LTP [m³/min]	220,74
Exhaust gas temperature @ LTP [°C]	502
Maximum back pressure [kPa]	10

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

2024-6-24

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A PART OF PRETTL

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Motor	
Brand	Cummins
Model	KTA38-G2
Emission regulation	N/A
Nr. of cylinder and disposition	12
Cooling system	water-cooled
Displacement [ccm]	37800
Mean piston speed [m/s]	9,5
Compression rate	14.5:1
Engine output (COP) [kW]	671
Engine output (PRP) [kW]	809
Engine output (LTP) [kW]	895
RPM [U/min]	1800
RPM regulation	Electronic
Starting system	Electric
Electric circuit [V]	24
Battery [Ah]	4x200
> recommended cold cranking amps(without load / with load) [CC/	1800
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	220
Oil capacity [L]	135,1
Coolant capacity [L]	270
Lube oil consumption @ PRP (max) [%]	0,5
Starting engine capability [kW]	N.A
Fuel consumption @ 75% PRP [L/h]	156
Fuel consumption @ 100% PRP [L/h]	203

of the performance of a particular engine'.

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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 ECO40 1S4A
Alternator type	ECO43 1S4 A
Insulation class	H
Voltage regulation	electrical
Protection Class [IP]	23
Poles	4
Frequency [Hz]	60
Frequency tolerance [%]	±1
Voltage tolerance [%]	1
Power factor cos (phi)	0,8
Efficiency @ 75% load [%]	95,6
Efficiency @ 100% load [%]	95,3
Standard AVR	DER1
THD full load LL/LN [%]	2,8 / 2,6
THD no load LL/LN [%]	3,1 / 3
THF [%]	<40(TIF)
Short Circuit Current Capacity [%]	>300

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