

Imagen semejante /
Illustration similar

ENDRESS®
Power Generators

ESE 455 BW/AS

Order No. **89333090**

Main features	
Max. Output [LTP] [kVA/kw]	514/411,2
Prime power (PRP) [kVA/kW]	467,3/373,8
Nominal voltage [V]	220/127
Frequency [Hz]	60
Nominal current 3~ (PRP) [A]	1226,3
Power factor cos (phi)	0,8
Main circuit breaker [Pole]	3

Measures and weight	
Dimensions L x W x H [mm]	3830x1550x1960
Weight in kg ca.	3650
Fuel tank capacity [l]	730

Autonomy	
Running time @ 75% PRP [h]	9,9

Installation data	
Total air flow [m³/min]	32,4
Exhaust gas flow @ LTP [m³/min]	104,9
Exhaust gas temperature @ LTP [°C]	580
Maximum back pressure [kPa]	12

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

2024-6-24

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

A PART OF PRETTL

ESE 455 BW/AS

Order No. 89333090

ENDRESS Power Generators

Motor	
Brand	Baodouin
Model	6M21G400/6
Emission regulation	N.A
Nr. of cylinder and disposition	6
Cooling system	water-cooled
Displacement [ccm]	12540
Mean piston speed [m/s]	9,9
Compression rate	16.0:1
Engine output (COP) [kW]	308,8
Engine output (PRP) [kW]	386
Engine output (LTP) [kW]	428
RPM [U/min]	1800
RPM regulation	Electronic
Starting system	Electric
Electric circuit [V]	24
Battery [Ah]	2x120
> recommended cold cranking amps(without load / with load) [CC/	750
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	198,1
Oil capacity [L]	40
Coolant capacity [L]	47
Lube oil consumption @ PRP (max) [%]	0,2
Starting engine capability [kW]	8,5
Fuel consumption @ 75% PRP [L/h]	73,9
Fuel consumption @ 100% PRP [L/h]	100,3

of the performance of a particular engine'.

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

2024-6-24

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

A PART OF PRETTL

ESE 455 BW/AS

Order No. 89333090

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 1S4C
Alternator type	ECO40 1S4C
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 [%]	94,9
Efficiency @ 100% load [%]	94,8
Standard AVR	DER1
THD full load LL/LN [%]	2,6 / 2,6
THD no load LL/LN [%]	2,9 / 2,9
THF [%]	<40(TIF)
Short Circuit Current Capacity [%]	>300

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

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

A PART OF PRETTL