



Imagen semejante /
Illustration similar

ENDRESS

Power Generators

ESE 220 IW/AS 60Hz

Order No. **339286**

Main features

Max. Output [LTP] [kVA/kw]	223/178
Prime power (PRP) [kVA/kw]	205/164
Nominal voltage [V]	220V/127V
Frequency [Hz]	60
Nominal current 3~ (PRP) [A]	538
Power factor cos (phi)	0,8
Main circuit breaker [Pole]	3
Shockproof sockets	Terminal board

Measures and weight

Dimensions L x W x H [mm]	3190 x1125 x 1905
Weight in kg ca.	2050
Fuel tank capacity [l]	290

Autonomy

Running time @ 75% PRP [h]	7,8
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Installation data

Total air flow [m ³ /min]	336
Exhaust gas flow @ LTP [m ³ /min]	47,4
Exhaust gas temperature @ LTP [°C]	495
Maximum back pressure [kPa]	5

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

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Motor	
Emission regulation	None
Nr. of cylinder and disposition	6
Cooling system	Water-cooled
Displacement [ccm]	6700
Mean piston speed [m/s]	6,6
Compression rate	17,5:1
Engine output (COP) [kW]	145
Engine output (PRP) [kW]	185
Engine output (LTP) [kW]	203,5
RPM [U/min]	1800
RPM regulation	mechanical
Starting system	Electric starter
Electric circuit [V]	12
Battery [Ah]	100
> recommended cold cranking amps(without load / with load) [CCA]	650
Fuel	Diesel
Specific fuel consumption @ 75% PRP [g/kWh]	209
Oil capacity [L]	17,2
Coolant capacity [L]	25,5
Lube oil consumption @ PRP (max) [%]	<0.1
Starting engine capability [kW]	3

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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Power Generators

Generator

Brand	Linz PRO28S A/4
Alternator type	synchron
Insulation class	Klasse H
Voltage regulation	electronic
Protection Class [IP]	IP 23
Poles	4
Frequency [Hz]	60
Frequency tolerance [%]	1
Voltage tolerance [%]	1
Power factor cos (phi)	0,8
Efficiency @ 75% load [%]	92,7
Standard AVR	HVR30
Short Circuit Current Capacity [%]	>300

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