



SERVICE		PRP	ESP
POWER	kVA	816	915
POWER	kW	653	732
RATED SPEED	r.p.m.	1.500	
STANDARD VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	230/132 · 230 V (t)	
RATED AT POWER FACTOR	Cos Phi	0,8	



## INDUSTRIAL RANGE

FILIAL UK Company with quality certification ISO 9001

FILIAL UK gensets are compliant with EC mark which includes the following directives:

- 2006/42/CE Machinery safety.
- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25°C, 30% relative humidity.

### Prime Power (PRP):

According to ISO 8528-1:2018, Prime power is 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 (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

### Emergency Standby Power (ESP):

According to ISO 8528-1:2018, Emergency standby power 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

Continuous Power (COP): According to Standard ISO 8528-1:2018, this is the maximum power available for continuous loads for unlimited running hours a year between the maintenance times recommended by the manufacturer under the environmental conditions established by the same.

G3 class load acceptance in accordance with ISO 8528-5:2018

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SPAIN • FRANCE • INDIA • CHINA • USA • BRAZIL • ARGENTINA

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## STANDARD SOUNDPROOFING



L



WATER-COOLED



THREE PHASE



50 HZ



DIESEL

Filial UK has the right to modify any feature without prior notice.

Weights and dimensions based on standard products. Illustrations may include optional equipment.

Technical data described in this catalogue correspond to the available information at the moment of printing.

The illustrations and images are indicative and may not coincide in their entirety with the product.

Industrial design under patent.



## Engine Specifications | 1.500 r.p.m.

Rated Output (PRP)	kW	684
Rated Output (ESP)	kW	769
Manufacturer	DOOSAN	
Model	DP222CB	
Engine Type	4-stroke diesel	
Injection Type	Direct	
Aspiration Type	Turbocharged and after-cooled	
Number of cylinders and arrangement	12-V	
Bore and Stroke	mm	128 x 142
Displacement	L	21,927
Cooling System	Coolant	
Lube Oil Specifications	10W-40 (API CJ-4, CK-4)	
Compression Ratio	14,6:1	

Total oil capacity including tubes, filters	L	78
Total coolant capacity	L	66
Heat dissipated by coolant	kW	350
Governor	Type	Electrical
Air Filter	Type	Dry



- Oil temperature sensor
- Low coolant level sensor
- Exhaust gas compensator
- Diesel engine
- 4-stroke cycle
- Water-cooled
- 24V electrical system
- Standard air filter
- Standard fuel filter
- Standard oil filter
- Radiator with pusher fan
- Radiator water level sensor
- HTW sender
- LOP sender
- Hot parts protection
- Moving parts protection



## Generator Specifications | MECC ALTE

Manufacturer	MECC ALTE	
Model	ECO43 2S/4 A	
Poles	No.	4
Connection type (standard)	Star - Parallel	
Mounting type	S-0 18"	
Insulation	Class	H class

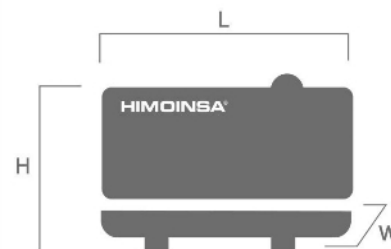
Enclosure (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)



- Self-excited and self-regulated
- 4 poles
- AVR governor
- IP23 protection
- H class insulation

## WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	5.960
Height (H)	mm	2.856
Width (W)	mm	2.622
Maximum shipping volume	m <sup>3</sup>	44,63
Weight with liquids in radiator and sump		Ask
Fuel tank capacity	L	1000
Autonomy	Hours	8
Steel tank		



## APPLICATION DATA

### EXHAUST SYSTEM

Maximum exhaust temperature	°C	525
Exhaust Gas Flow	m <sup>3</sup> /min	136
Maximum allowed back pressure	kPa	5,9
Heat dissipated by exhaust pipe	kW	598

### NECESSARY AMOUNT OF AIR

Cooling Air Flow	m <sup>3</sup> /s	21,1
Alternator fan air flow	m <sup>3</sup> /s	1,5

### FUEL CONSUMPTION

Fuel Consumption 100% ESP	l/h	130
Fuel Consumption 70 % ESP	l/h	132,79
Fuel Consumption 100% PRP	l/h	168
Fuel Consumption 70 % PRP	l/h	120,2
Fuel Consumption 50 % PRP	l/h	93

### FUEL SYSTEM

Fuel Oil Specifications		Diesel
Fuel Tank	L	1.000

### STARTING SYSTEM

Starting power	kW	7
Starting power	CV	9,52
Recommended battery	Ah	75 x 4
Auxiliary Voltage	Vdc	24



## Soundproofed version

- Steel chassis
- Tilting cap in the exhaust
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- External emergency stop switch
- Manual oil drain pump
- Bodywork made from high quality steel plate
- Low noise emissions level
- Soundproofing provided by high-density volcanic rock wool
- Epoxy polyester powder coating
- Full access for maintenance (water, oil and filters, no need to remove the canopy)
- Reinforced lifting hooks for crane hoisting
- Chassis drain plug
- Steel residential silencer -35db(A) attenuation.
- Oil sump extraction kit
- Emergency stop button (double emergency stop protection: Interior on the panel + Exterior on the bodywork)
- 3 way valve for external fuel supply (available in 1/2" and 3/8" fittings) (Opcional).
- Fuel transfer pump (Opcional).



## CONTROL PANELS

### AS5

Automatic panel WITHOUT transfer switch and WITHOUT mains control with CEM7 unit. (\*) AS5 as optional with CEA7 unit. Automatic panel without transfer switch and WITH mains control.

### CC2

Himoinsa Switching cabinet WITH display.  
Digital control unit CEC7

### AS5 + CC2

Automatic panel WITH transfer switch and with mains control. The display will be on the genset and on the cabinet.  
Digital control unit CEM7+CEC7

### AC5

Automatic mains failure control panel. Wall-mounted cabinet WITH transfer switch and thermal magnetic protection (depending on current and voltage).  
Digital control unit CEA7



## Electrical system

- Electric control and power panel with measurements devices and control unit (according to necessity and configuration)
- 4-pole thermal magnetic circuit breaker
- Connection panel wired to the safety protection (open thermal magnetic protection and alarm)
- Maintenance-free and anti-explosion battery
- Battery charger (standard on gensets with automatic control panels)
- Heating resistor (standard on sets with automatic control panels)
- Battery charger alternator with ground connection
- Starter battery/ies installed (cables and bracket included)
- Ground connection electrical installation with connection ready for ground spike (not supplied)
- Battery Switch (Opcional).