

BY-WP138



*Imágenes como ejemplo ilustrativo, puede variar según modelo.

Especificaciones Generales

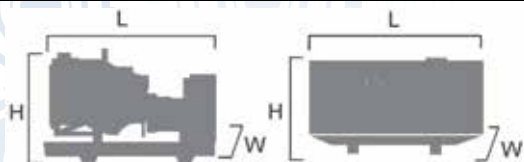
Standards: 2006/42/EC Machinery safety, 2006/95/EC Low voltage, EN 60204-1 : 2006+A1 : 2009, EN ISO 12100 : 2010, EN ISO8528-13: 2016, ENISO 13849-1: 2015, EN 60204-1 : 2018

PRP: Prime power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO 8528-1.

ESP: The standby power rating is applicable for supplying emergency power in variable load applications in accordance with ISO 8528-1. overload is not allowed.

Conditions: According to the standard, the nominal power assigned by the genset is given for 25C air inlet temperature, of a barometric pressure of 100 kPa (100 m.A.S.L), and 30 % relative humidity.

ITEMS	OPEN	SILENT
Dimension(L*W*H)(mm)	TBA	3200 x 1080 x 2010
Weight(kg)	TBA	1960
Fuel tank(L)	TBA	600
Sound pressure level		
@75% load & 1m dB(A)		TBA
@75% load & 7m dB(A)		TBA



NOTE : Weights and dimensions based on standard products. According to 2000/14/CE , sound data is provided at 7m for 75% prime power. For actual installation, please contact the manufacturer.

ITEMS	PRP	EPS
Power	125 kVa	138 kVa
Power	100 kW	110 kW
Frequency/ Phase/ Power factor	60 hz / 3p / PF0.8	
Standard voltage	220 / 127 V	
Available voltage	TBA	
 Water-cooled	 Three Phase	 60Hz
		 Diesel

PERFORMANCE DATA

Engine brand		Weichai
Engine model		W6PD132E201
Fuel		Diesel
Aspiration		Turbocharged and After cooled
Cooling		Water-cooled
Governor		Electronic
Cyl arrangement		6L
Application		Prime & Standby
Fuel consumption	100% ESP(L/H)	66
	100% PRP(L/H)	59
	75% PRP(L/H)	44
	50% PRP(L/H)	30

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Especificaciones del motor

BASIC DATA

Engine brand	Weichai
Engine model	W6PD132E201
Displacement	6.75 L
No. of cyl / arrangement	6
Bore x stroke	105 x 130 mm
Compression ratio	18:1
Engine speed	1800rpm
Engine type	4-stroke diesel

EXHAUST SYSTEM

Max. exhaust temperature after turbocharger(°C)	550 °C
Exhaust flow @ PRP (kg/h)	632.8
Max. exhaust back pressure (kPa)	6 kPa

FUEL SYSTEM

Max. restriction at fuel pump inlet	9 kPa
Fuel supply flow (kg/h)	26

COOLING SYSTEM

System designed for ambient temperature up to (°C)	50
Total oil capacity	16 L
Total coolant capacity	8 L

ELECTRICAL SYSTEM

Starter motor rated voltage	DC24V
Start battery	2x100Ah(680CCA)
Battery charging alternator	DC24V/40A

INLET AIR

Air filter	Dry type
Max. combustion air Intake restriction	3.5 kPa
Recommended air flow @ PRP (kg/h)	2
Max. allowable combustion air inlet temp	50°C

Especificaciones del alternador

BASIC DATA

Insulation & temperature rise	Class H/H
Excitation type	Self-excited
Winding leads	12
Winding connections (standard)	Star
Winding pitch	Two thirds
Number of phase	Three phase

BASIC DATA

Type	Brushless
No. of bearings	Single bearing
Coupling system	Flexible disc
Maximum over speed	2250 RPM
Coating type	Vacuum impregnation
IP rating	IP23

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Configuration

- Emergency stop button
- Protection MCB
- Battery charger
- Integrated aviation plug
- ATS connection
- Digital control module

Features

- 3 phase generator set monitoring
- Support of engines equipped with electronic control unit
- Comprehensive diagnostic message
- Automatic or manual start/stop of the gensets
- Push buttons for the simple control, lamp test
- Graphic back-lit LCD display
- Parameters adjustable via keyboard or PC
- Mains measurements (50 hz / 60 hz)
- Generator measurements (50 hz / 60 hz)
- Comprehensive shutdown or warning on fault condition
- 3 phase generator protections
 - Over/under voltage
 - Over/under frequency
 - Current/voltage asymmetry
- 3 phase AMF function
 - Over/under voltage
 - Over/under frequency
 - Current/voltage asymmetry
- Configurable analog inputs
- Battery voltage, engine speed (pick-up) measurement
- Configurable programmable binary inputs and outputs
- Warm-up and cooling functions
- Generator C.B. and Mains C.B. control with feedback and return timer
- RS232 interface
- Modem communication support
- Hours counter
- Sealed to IP65
- Event log

Características GENSET

Standard Features

- Diesel engine, 50 degrees radiator, brushless alternator
- Intelligent controller
- Output circuit breaker (up to 1250A)
- Maintenance-free start battery, battery charge, battery switch
- Steel industrial silencer, exhaust bellows and elbows
- Steel chassis and anti-vibration shock absorbers
- Lifting and moving structure, expansion of oil and coolant discharge
- Moving parts protection, hot part protection
- Special toolbox, delivery attached documentation

Control system

- Synchronizing panel, remote control panel
- RS232 / 485, 4G & GPS wireless, ethernet communication card
- Additional digital / analog input / output
- Monitoring software
- Ni-Cas batteries

Generador **DIÉSEL**

Powered by Weichai

Panel de control

Benefits

- Less wiring and components
- Integrated solution
- Less engineering and programming
- User friendly set-up and button layout
- Module can be configured to suit individual application
- PC software for simplified configuration
- Wide range of communication capabilities

Operation conditions

- Operation temp: -20° to + 70°
- Storage temp: -30° to + 80°
- Operating humidity: 95% w/o condensation
- Vibration: 5-25Hz, ±1.6 mm
- 5-100Hz, a=4g
- Shocks: a= 500m/s²a

Options

- Ethernet interface (Remote monitoring and control)
- GSM modem/wireless internet (Remote monitoring and control)
- RS232-RS485 Dual port interface
- Synchronizing control panel
- Distribution board with sockets kit and power busbar
- Battery trickle charge ammeter
- Earth leakage protection
- Earth fault protection
- Low fuel level alarm
- Low fuel level shutdown
- High fuel level alarm
- Fuel transfer system control
- Low coolant level shutdown
- High lube oil temp shutdown
- Overload via alarm switch on breaker
- Engine coolant heater controls
- Control panel heater
- Speed adjust switch
- Oil temp displayed on LCD screen
- Additional 8 inputs and outputs

Funciones opcionales

Engine

- Water jacket preheater
- Oil preheater, oil level maintainer, oil manual pump
- Heavy air filtration
- Residential silencer
- Remote radiator
- Heat exchange

Alternator

- PMG/AREP excitation system
- Anti-condensation heater
- Winding/bearing RTD
- Double bearing structure
- IP44 protection class

Generating set

- External fuel tank, automatic fuel feeding
- ATS / output / combining / distribution cabinet
- Load test cabinet
- Customized design