

BY-C200



*Imágenes como ejemplo ilustrativo, puede variar según modelo.

Especificaciones Generales

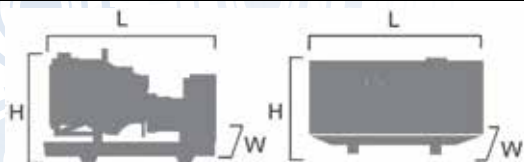
Standards : 2006/42/EC Machinery safety, 2006/95/EC Low voltage, EN 60204-1 : 2006+A1 : 2009, EN ISO 12100 : 2010, EN ISO8528-13: 2016, ENISO 13849-1: 2015, EN 60204-1 : 2018

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	3500 x 1200 x 2020
Weight(kg)	TBA	2480
Fuel tank(L)	TBA	740
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	188kVA	206kVA
Power	150kW	165kW
Frequency/ Phase/ Power factor	60Hz / 3P / PF0.8	
Standard voltage	220/127V	
Available voltage	TBA	
 Water-cooled  Three Phase  60Hz  Diesel		

PERFORMANCE DATA

Engine brand	CUMMINS
Engine model	6CTA8.3-G2
Fuel	Diesel
Aspiration	Turbocharged & Aftercooled
Cooling	Water-cooled
Governor	Electronic
Cyl arrangement	6L
Application	Prime & Standby
Fuel consumption	100% ESP(L/H) 50 100% PRP(L/H) 44 75% PRP(L/H) 33 50% PRP(L/H) 23

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Especificaciones del motor

BASIC DATA

Engine brand	CUMMINS
Engine model	6CTA8.3-G2
Displacement	8.3 L
No. of cyl / arrangement	6 L
Bore x stroke	114 x 135 mm
Compression ratio	17.3 : 1
Engine speed	1800 rpm
Engine type	4-stroke diesel

EXHAUST SYSTEM

Exhaust stack gas temperature (max.)	550 °C
Exhaust gas flow rate (max.)	654 L/S
Exhaust system backpressure (maximum allowable)	10 kPa

FUEL SYSTEM

Maximum restriction at lift pump	33.7 kPa
Max. fuel flow	230 L/H

COOLING SYSTEM

Radiator air flow	294 m³/min²
Total oil capacity	27.6 L
Total coolant capacity	30.6 L

ELECTRICAL SYSTEM

Starter motor rated voltage	DC24V
Start battery	2 x 100 Ah (680CCA)
Battery charging alternator	DC24V/40A

INLET AIR

Air filter	Dry type
Max. combustion air Intake restriction	6.0kPa
Combustion air inlet flow rate	237 L/S
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

BY-C200

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 CUMMINS

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