




REF. GBW 10.00

MODEL | GBW10 Yanmar


- **YANMAR Diesel engine.**
- **Water cooling system.**
- **Internal residential muffler.**
- **Easy to be transported with hand pallet truck.**
- **Central lifting point.**
- **Complete with engine and battery liquids.**
- **Oil draining pipe with cap.**





MODEL		GBW10Y	
CODE		TBA	
TECHNICAL FEATURES	PRIME POWER PRP	kVA (kW) 9,1 (7,3)	
	EMERGENCY POWER LTP	kVA (kW) 10,0 (8,0)	
	Voltage (phases)	Volt 400/231 (three)	
	Frequency	Hz 50	
	Power factor	Cos φ 0,8	
	Fuel capacity	Litres 51	
	Autonomy (100% load PRP)	h 18,0	
	Acoustic power	LWA TBA	
	Acoustic pressure at 7m	dB(A) TBA	
	Dimensions (LxWxH)	mm 1.600 x 870 x 1.072	
	Weight	kg TBA	
	DIESEL ENGINE	YANMAR	3TNV76GGE
	Cooling system	Type Water	
	Speed	rpm 1.500	
	Displacement	c.c. TBA	
	Cylinders and disposition	n° disp. 3 L	
	Aspiration	Type Natural	
	Engine power PRP	kWm 9,0	
	Fuel consumption (100% load)	l/h 2,8	
	Specific consumption PRP	g/kWh 265	
Engine governor (standard)	Type Mechanical		
Electrical DC System	Volt 12		
ALTERNATOR	Stamford	BCI 164C	
Insulation	Class H		
Mechanical degree of protection	Type IP23		
Voltage regulation	Type Electronic		

MANUAL CONTROL PANEL (MCP) on Three		GBW10Y
MANUAL CONTROL PANEL (MCP)	 <p>Manual control panel, mounted on the genset and complete of: instrumentation, control, protection and sockets.</p>	Instrumentation (analogue) <ul style="list-style-type: none"> • Voltmeter. • Hours-counter. • Ammeter.
		Commands <ul style="list-style-type: none"> • Start selector switch with key: OFF -ON* - START. • Emergency stop button.
		Protections with alarm <ul style="list-style-type: none"> • Engine protection: battery charger failure, low oil pressure, high engine temperature.
		Protections with shut down <ul style="list-style-type: none"> • Engine protection: battery charger failure, low oil pressure, high engine temperature. • Circuit breaker protection: III poles. • Differential protection.
	Output sockets <ul style="list-style-type: none"> 1 x 400V/32A 3P+N+T CE. 1 x 400V/16A 3P+N+T CE. 2 x 230V/16A 2P+T CE. 1 x Schuko 230V/16A. 	

TECHNICAL CHARACTERISTICS LISTED ARE NOT INCLUSIVE OF ANY PRODUCT CUSTOMIZATIONS AND THE PRODUCER RESERVES THE RIGHT TO MODIFY THEM FOR INNOVATIONS WITHOUT PRIOR NOTICE

MANUAL CONTROL PANEL (MCP) on Single		GBW10Y
 <p>Manual control panel, mounted on the genset and complete of: instrumentation, control, protection and sockets.</p>	Instrumentation (analogue)	<ul style="list-style-type: none"> • Voltmeter. • Hours-counter. • Ammeter.
	Commands	<ul style="list-style-type: none"> • Start selector switch with key: OFF -ON* - START. • Emergency stop button.
	Protections with alarm	<ul style="list-style-type: none"> • Engine protection: battery charger failure, low oil pressure, high engine temperature.
	Protections with shut down	<ul style="list-style-type: none"> • Engine protection: battery charger failure, low oil pressure, high engine temperature. • Circuit breaker protection: III poles. • Differential protection.
	Power Output	<ul style="list-style-type: none"> • Plinth row (internal) and duct for power wiring connection.
<p>ON*: when selected this position, the system will take some seconds for air preheating by means of a glow plug. The preheating period is light by the proper led on the engine protection unit.</p>		


AUTOMATIC CONTROL PANEL (ACP) on three		GBW10Y
 <p>Automatic control panel mounted on the genset, complete with digital control unit AC02 for monitoring, control and protection of the generating set.</p>	Instrumentation (analogue)	<ul style="list-style-type: none"> • Generating set voltage. • Generating set frequency. • Generator set current. • Battery voltage. • Hours-counter. • Mains voltage.
	Commands and others	<ul style="list-style-type: none"> • Selector switch with six positions: Automatic test - Automatic starting - Engine locked - Mains contactor forced - Manual starting - Genset contactor forced. • Push-buttons: start/stop, up/down selection, reset. • Emergency stop button. • Remote starting availability. • Automatic battery charger.
	Protections with alarm	<ul style="list-style-type: none"> • Engine protection: low oil pressure, high engine temperature. • Genset protection: under/over voltage, overload, battery charger failure, battery voltage out of limits, under/over frequency, start failure.
	Protections with shutdown	<ul style="list-style-type: none"> • Engine protection: low oil pressure, high engine temperature. • Genset protection: under/over voltage, overload, battery charger failure, battery voltage out of limits, under/over frequency, start failure. • Circuit breaker protection: III poles. • Differential protection.
	Output and sockets	<ul style="list-style-type: none"> • Plinth row for connection from ACP to LTS panel. <hr/> 1 x 400V/32A 3P+N+T CE

AUTOMATIC CONTROL PANEL (ACP) on single		GBW10Y
 <p>Automatic control panel mounted on the genset, complete with digital control unit AC02 for monitoring, control and protection of the generating set.</p>	Instrumentation (analogue)	<ul style="list-style-type: none"> • Generating set voltage. • Generating set frequency. • Generator set current. • Battery voltage. • Hours-counter. • Mains voltage.
	Commands and others	<ul style="list-style-type: none"> • Selector switch with six positions: Automatic test - Automatic starting - Engine locked - Mains contactor forced - Manual starting - Genset contactor forced. • Push-buttons: start/stop, up/down selection, reset. • Emergency stop button. • Remote starting availability. • Automatic battery charger.
	Protections with alarm	<ul style="list-style-type: none"> • Engine protection: low oil pressure, high engine temperature. • Genset protection: under/over voltage, overload, battery charger failure, battery voltage out of limits, under/over frequency, start failure.
	Protections with shutdown	<ul style="list-style-type: none"> • Engine protection: low oil pressure, high engine temperature. • Genset protection: under/over voltage, overload, battery charger failure, battery voltage out of limits, under/over frequency, start failure. • Circuit breaker protection: III poles. • Differential protection.
	Power Output	<ul style="list-style-type: none"> • Plinth row (internal) and duct for power wiring connection.



* **Manual Starting:** the preheating period begins automatically when this position is selected. It is necessary to select again this position to enable one more time the preheating period.

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AUTOMATIC CONTROL PANEL (AMF)		GBW10Y
 <p>Automatic control panel for automatic starting by Mains failure. Delivered loose from the genset, and complete with digital control unit AC02 for monitoring, control and protection of the generating set.</p>	Digital instrumentation through AC02 control unit.	<ul style="list-style-type: none"> • Generating set voltage. • Generating set frequency. • Generator set current. • Battery voltage. • Hours-counter. • Mains voltage.
	Commands and others	<ul style="list-style-type: none"> • Selector switch with six positions: Automatic test - Automatic starting - Engine locked - Mains contactor forced - Manual starting - Genset contactor forced. • Push-buttons: start/stop, up/down selection, reset. • Emergency stop button. • Remote starting availability. • Automatic battery charger. • Acoustic alarm.
	Change over contactors Mains/Genset	IV poles - 20A.
	Protections with alarm	<ul style="list-style-type: none"> • Engine protection: low oil pressure, high engine temperature. • Genset protection: under/over voltage, overload, battery charger failure, battery voltage out of limits, under/over frequency, start failure.
	Protections with shutdown	<ul style="list-style-type: none"> • Engine protection: low oil pressure, high engine temperature. • Genset protection: under/over voltage, overload, battery charger failure, battery voltage out of limits, under/over frequency, start failure.
	Power output	<ul style="list-style-type: none"> • Plinth row for connection from pre-wired panel (mounted on the genset) to AMF panel. • Power cables connected to terminals board (internal).
<p>* Manual Starting: the preheating period begins automatically when this position is selected. It is necessary to select again this position to enable one more time the preheating period.</p>		

GENSET SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)

 DCC: DIFFERENT CANOPY COLOUR.
 PHS: PREHEATING SYSTEM. Only available for automatic version.

ACCESSORIES

LOAD TRANSFER SWITCH PANEL.		GBW10Y
 <p>Load transfer switch panel built in a metal cabinet and supplied loose from the genset.</p>	Change over contactors	IV poles - 20A.
	Connections	<ul style="list-style-type: none"> • Plinth row for connection from ACP to LTS panel. • Terminals board for power cables connection (Genset-Mains-Load).
	Protections	<ul style="list-style-type: none"> • Contactors mechanically and electrically interlocked. • Emergency stop button.
<p>Automatic control panel + LTS panel measures the Mains voltage and starts automatically the genset within few seconds in case of Mains failure. It transfers immediately the load again to the genset when the Mains voltage returns within the rated values.</p>		
 STR: SITE TRAILER. Single axle.		
 RTR: ROAD TRAILER (only for Spanish market). Single axle.	