



REF. GDS **04.00**


MODEL | GBL 20-40


- DEUTZ Diesel engine.
- Oil cooling system with radiator.
- Internal residential muffler.
- Central lifting point.
- Baseframe capable to be moved with hand pallet truck.
- Complete with engine and battery liquids.
- Oil drain pipe with cap.
- **New** Optional kit with lighting tower completed site trailer.




MODEL		GBL20	GBL30	GBL40	
CODE		SB200TDA	SB290TDA	SB390TDA	
TECHNICAL FEATURES	PRIME POWER PRP	kVA (kW)	20,0 (16,0)	29,0 (23,2)	39,3 (31,4)
	EMERGENCY POWER LTP	kVA (kW)	21,0 (16,8)	30,0 (24,0)	41,2 (33,0)
	Voltage	Volt	400/230	400/230	400/230
	Frequency	Hz	50	50	50
	Power factor	Cos φ	0,8	0,8	0,8
	Tank capacity	Litres	51	51	51
	Autonomy (100% load PRP)	h	9,8	7,2	5,4
	Acoustic power	LWA	96	97	96
	Acoustic pressure at 7m	dB(A)	71	72	71
	Dimensions (LxWxH)	mm	2.000x920x1.300	2.000x920x1.300	2.000x920x1.300
	Weight	kg	784	916	918
	DIESEL ENGINE	DEUTZ	F3M 2011	F4M 2011	BF4M 2011
	Cooling system	Type	Oil with radiator	Oil with radiator	Oil with radiator
	Speed	rpm	1.500	1.500	1.500
	Displacement	c.c.	2.330	3.110	3.110
	Cylinders and disposition	n° disp.	3 L	4 L	4 L
	Aspiration	Type	Natural	Natural	Turbo
	Engine power PRP	kWm	19,0	27,6	36,4
	Fuel consumption (100% load)	l/h	5,2	7,1	9,4
	Specific consumption PRP	g/kWh	230	219	217
	Engine governor (standard)	Type	Mechanical	Mechanical	Mechanical
	SYNCHRONOUS ALTERNATOR	STAMFORD	BCI 184 E	BCI 184 F	BCI 184 J
	Insulation	Class	H	H	H
	Mechanical degree of protection	Type	IP23	IP23	IP23
	Voltage regulation	Type	Electronic	Electronic	Electronic

TECHNICAL CHARACTERISTICS NOT IMPREGNATIVE RESERVATION OF MODIFICATIONS FOR INNOVATION OF THE PRODUCT

MANUAL CONTROL PANEL (MCP)		GBL20	GBL30	GBL40	
MANUAL CONTROL PANEL (MCP)	 <p>Manual control panel, mounted on the genset and complete of: instrumentation, protection and sockets.</p>	Instrumentation (analogue) <ul style="list-style-type: none"> • Voltmeter. • Ammeter. • Hours-meter. 			
		Commands and others <ul style="list-style-type: none"> • Start and stop selector switch with key • 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 shutdown <ul style="list-style-type: none"> • Engine protection: battery charger failure, low oil pressure, high engine temperature. • Circuit breaker protection: IV poles. • Differential protection. 			
		Output sockets	1 x 400V/32A 3P+N+T CE.	1 x 400V/63A 3P+N+T CE.	1 x 400V/63A 3P+N+T CE.
			1 x 400V/16A 3P+N+T CE.	1 x 400V/32A 3P+N+T CE.	1 x 400V/32A 3P+N+T CE.
1 x 230V/16A 2P+T CE.	1 x 230V/16A 2P+T CE.		1 x 230V/16A 2P+T CE.		
1 x 230V/16A 2P+T CE.	1 x 230V/16A 2P+T CE.		1 x 230V/16A 2P+T CE.		
1 x 230V/16A SCHUKO.	1 x 230V/16A SCHUKO.		1 x 230V/16A SCHUKO.		








AUTOMATIC CONTROL PANEL (ACP)		GBL20	GBL30	GBL40
 <p>Automatic control panel mounted on the genset, 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. 		
	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: IV poles. • Differential protection. 		
	Output and sockets	• Plinth row for connection from ACP to LTS panel.		
		1 x 400V/32A 3P+N+T CE	1 x 400V/63A 3P+N+T CE	1 x 400V/63A 3P+N+T CE

AUTOMATIC CONTROL PANEL (AMF)		GBL20	GBL30	GBL40
 <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 - 32A.	IV poles - 45A.	IV poles - 60A.
	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. 		
	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). 		

GENSET SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)

GENSET SUPPLEMENTS	<ul style="list-style-type: none"> • DCC: DIFFERENT CANOPY COLOUR.
	<ul style="list-style-type: none"> • EEG: ENGINE ELECTRONIC GOVERNOR.
	<ul style="list-style-type: none"> • PHS: COOLANT PREHEATING SYSTEM.

ACCESSORIES

		GBL20	GBL30	GBL40
ACCESSORIES	 <p>LOAD TRANSFER SWITCH PANEL.</p>	<p>Change over contactors</p> <p>IV poles - 32A.</p>	<p>IV poles - 45A.</p>	<p>IV poles - 60A.</p>
	<p>Connections</p>	<ul style="list-style-type: none"> Plinth row for connection from ACP to LTS panel. Terminals board for power cables connection (Genset-Mains-Load). 		
	<p>Protections</p>	<ul style="list-style-type: none"> Contactors mechanically and electrically interlocked. Emergency stop button. 		
	<p>Load transfer switch panel built in a metal cabinet and supplied loose from the genset.</p>	<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>		
	<p>STR: SITE TRAILER. Single axle.</p>			
<p>RTR: ROAD TRAILER (only for Spanish market). Single axle.</p>				
<p>ELT: ELECTRIC LIGHTING TOWER COMPLETE WITH SITE TRAILER. Complete with 6 x IP55 quartz-iode halogen 1.500W lights, 9m extensible tower and control panel for tower control (circuit breaker protection included).</p>				
<p>MLT: MANUAL LIGHTING TOWER COMPLETE WITH SITE TRAILER. Complete with 6 x IP55 quartz-iode halogen 1.500W lights, and 9m extensible tower.</p>				
<p>HLT: HYDRAULIC LIGHTING TOWER COMPLETE WITH SITE TRAILER. Complete with 6 x IP55 quartz-iode halogen 1.500W lights, 0.55kW electric motor, control panel (circuit breaker protection included) and hydraulic device to control the 9m extensible tower.</p>	