



REF. PCS **15.00**

MODEL | GSW65-80D


- DEUTZ Diesel engine.
- Water cooling system.
- Internal residential muffler.
- Detachable central lifting eye.
- Baseframe capable to be moved with hand pallet truck.
- Complete with engine and battery liquids.
- Manual pump oil draining pipe.
- Fully banded / Completely sealed baseframe.
- Rental kit as option (POWER ON RENT).




MODEL		GSW65D	GSW80D	
CODE		SC560TDA	SC740TDA	
TECHNICAL FEATURES	PRIME POWER PRP	kVA (kW)	57,7 (46,1)	74,1 (59,3)
	EMERGENCY POWER LTP	kVA (kW)	63,0 (50,4)	78,5 (62,8)
	Voltage	Volt	400/231	400/231
	Frequency	Hz	50	50
	Power factor	Cos φ	0,8	0,8
	Fuel capacity	Litres	340	340
	Autonomy (100% load PRP)	h	24,8	21,7
	Acoustic power	LWA	96	96
	Acoustic pressure at 7m	dB(A)	71	71
	Dimensions (LxWxH)	mm	2.710 x 1.180 x 1.535	2.710 x 1.180 x 1.535
	Dry weight	kg	1.300	1.460
	DIESEL ENGINE	DEUTZ	BF4M 2012-G2	BF4M 2012 C
	Cooling system	Type	Water	Water
	Speed	rpm	1500	1500
	Displacement	c.c.	4.040	4.040
	Cylinders and disposition	n° disp.	4 L	4 L
	Aspiration	Type	Turbo	Turbo - Intercooler
	Engine power PRP	kWm	52,0	66,1
	Fuel consumption (100% load)	l/h	13,7	15,7
	Specific consumption PRP	g/kWh	221	199
Engine governor (standard)	Type	Mechanical	Mechanical	
Electrical system (DC)	Volt	12	12	
ALTERNATOR (1)	STAMFORD	UCI 224 E	UCI 224 F	
Insulation	Class	H	H	
Mechanical degree of protection	Type	IP23	IP23	
Voltage regulation	Type (%)	Electronic (± 1,5)	Electronic (± 1,5)	


(1) Depending on availability, MeccAlte alternator could be installed as variant, models ECO32 2L and ECO32 3L respectively (featuring IP21 and ±1% voltage regulation)

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MANUAL CONTROL PANEL (MCP)		GSW65D	GSW80D
MANUAL CONTROL PANEL (MCP)	 <p>Manual control panel mounted on the genset, complete with digital display plus engine protection unit for monitoring, control and protection of the generating set.</p>	Digital instrumentation through Digital control unit. <ul style="list-style-type: none"> • Generating set voltage (3 phases). • Generating set frequency. • Generating set current (3 phases). • Battery voltage. • Power (kVA). • Hours-counter. • Fuel level (%). • Engine temperature. 	
		Commands and others <ul style="list-style-type: none"> • Start/stop selector switch with key. • Emergency stop button. 	
		Protections with alarm <ul style="list-style-type: none"> • Engine protections: low fuel level, low oil pressure, high engine temperature. 	
		Protections with shutdown <ul style="list-style-type: none"> • Engine protections: low fuel level, low oil pressure, high engine temperature. • Circuit breaker protection: III poles. • Differential protection. 	
		Output <ul style="list-style-type: none"> • Power cables connection to terminals board (external). 	

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AUTOMATIC CONTROL PANEL (ACP)		GSW65D	GSW80D
 <p>Automatic control panel mounted on the genset, complete with digital control unit AC01 for monitoring, control and protection of the generating set.</p>	<p>Digital instrumentation through AC01 control unit.</p>	<ul style="list-style-type: none"> • Generating set voltage (3 phases). • Mains voltage. • Generating set frequency. • Generating set current (3 phases). • Battery voltage. • Power (kVA - kW - kVAr). • Power factor Cos φ. • Hours-counter. • Engine speed r.p.m. • Fuel level (%). • Engine temperature. 	
	<p>Commands and others</p>	<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 by means of the control unit. • Acoustic alarm. • Automatic battery charger. 	
	<p>Protections with alarm</p>	<ul style="list-style-type: none"> • Engine protections: low fuel level, low oil pressure, high engine temperature. • Genset protections: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage, battery charger failure. 	
	<p>Protections with shutdown</p>	<ul style="list-style-type: none"> • Engine protections: low fuel level, low oil pressure, high engine temperature, • Genset protection: under/over voltage, overload, under/over battery voltage, battery charger failure. • Circuit breaker protection: III poles. • Differential protection. 	
	<p>Output</p>	<ul style="list-style-type: none"> • Plinth row for control cables connection from ACP (mounted on the genset) to LTS panel. • Power cables connection to terminals board (external). 	

AUTOMATIC CONTROL PANEL (AMF)		GSW65D	GSW80D
 <p>Automatic control panel for automatic starting by Mains failure. Delivered loose from the genset, and complete with digital control unit AC01 for monitoring, control and protection of the generating set.</p>	<p>Digital instrumentation through AC01 control unit.</p>	<ul style="list-style-type: none"> • Generating set voltage (3 phases). • Mains voltage. • Generating set frequency. • Generating set current (3 phases). • Battery voltage. • Power (kVA - kW - kVAr). • Power factor Cos φ. • Hours-counter. • Engine speed r.p.m. • Fuel level (%). • Engine Temperature. 	
	<p>Commands and others</p>	<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. • Acoustic alarm. • Automatic battery charger. 	
	<p>Change over contactors Mains/Genset</p>	<p>IV poles - 90A.</p>	<p>IV poles 110A.</p>
	<p>Protections with alarm</p>	<ul style="list-style-type: none"> • Engine protections: low fuel level, low oil pressure, high engine temperature. • Genset protections: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage, battery charger failure. 	
	<p>Protections with shutdown</p>	<ul style="list-style-type: none"> • Engine protections: low fuel level, low oil pressure, high engine temperature, • Genset protection: under/over voltage, overload, under/over battery voltage, battery charger failure. 	
<p>Output</p>	<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). 		

CONTROL PANEL SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)

MAP: MANUAL ANALOGUE CONTROL PANEL.			
 <p>Manual control panel mounted on the genset, with analogue instrumentation, and protected through door with lockable handle.</p>	<p>Instrumentation (analogue)</p>	<ul style="list-style-type: none"> • Voltmeter with selector switch (3 phases). • Frequency meter. • Ammeter with selector switch (3 phases). • Hours-counter. • Fuel level indicator. • Oil pressure indicator. • Engine temperature indicator. 	
	<p>Commands and others</p>	<ul style="list-style-type: none"> • Start/stop selector switch with key. • Emergency stop button. 	
	<p>Protections with alarm</p>	<ul style="list-style-type: none"> • Engine protections: low fuel level, low oil pressure, high engine temperature, battery charger failure. 	
	<p>Protections with shutdown</p>	<ul style="list-style-type: none"> • Engine protection unit: low fuel level, low pressure oil, high engine temperature, battery charger failure. • Circuit breaker protection: III poles. • Differential protection. 	
	<p>Output</p>	<ul style="list-style-type: none"> • Power cables connection to terminals board (external). 	

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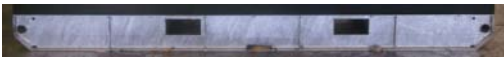


CONTROL PANEL SUPPLEMENTS	SKB: SOCKETS KIT B WITH 5 SOCKETS.	1 x 400V/63A 3P+N+T CE.
		1 x 400V/32A 3P+N+T CE.
		1 x 400V/16A 3P+N+T CE.
		1 x 230V/16A 2P+T CE.
		1 x 230V/16A Schuko.
RSS: REMOTE START/STOP. Only for MCP.		
TIF: IV POLES CIRCUIT BREAKER INSTEAD OF III POLES.		

GENSET SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)

GENSET SUPPLEMENTS	APM: PMG FOR STAMFORD ALTERNATOR + MX321 AVR. Only with Stamford configuration
	AFP: AUTOMATIC FUEL TRANSFER PUMP.
	DCC: DIFFERENT CANOPY COLOUR.
	EEG: ENGINE ELECTRONIC SPEED GOVERNOR. (EMR type)
	KRT: RENTAL KIT. Complete of:
	Battery switch.
	Fuel filter water separator.
	Three way valve.
	Earth rod.
	Sockets kit (5 sockets).
PHS: COOLANT PREHEATING SYSTEM.	



ACCESSORIES

ACCESSORIES	LOAD TRANSFER SWITCH PANEL.	GSW65D	GSW80D	
	 Load transfer switch panel built in a metal cabinet and supplied loose from the genset.	Change over contactors	IV poles - 90A.	IV poles 110A.
		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. 	
	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.			
GSB: GALVANIZED SKIDS. Heavy duty galvanized skids to be installed under the genset. Easily transportable with fork lift.				
RCG: REMOTE CONTROL BY GSM KIT (kit for genset management and control by remote PC; communication available by means of RS232 directly to PC or through GSM modem). Available only on the automatic versions.				
STR: SITE TRAILER. Single axle.				
RTR: ROAD TRAILER (homologation only for Spanish territories). Single axle on GSW65D-80D.	