



REF. PCS **28.00**


MODEL | **GSL65 Deutz**




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


MODEL		GSL65D	
CODE		SC600TDA	
TECHNICAL FEATURES	<b>PRIME POWER PRP</b>	<b>kVA (kW)</b>	<b>59,7 (47,8)</b>
	<b>EMERGENCY POWER LTP</b>	<b>kVA (kW)</b>	<b>62,0 (49,6)</b>
	Voltage	Volt	400/231
	Frequency	Hz	50
	Power factor	Cos φ	0,8
	Fuel capacity	Litres	209
	Autonomy (100% load PRP)	h	14,3
	Acoustic power	LWA	93
	Acoustic pressure at 7m	dB(A)	68
	Dimensions (LxWxH)	mm	2.285 x 920 x 1.310
	Weight	kg	1.040
	<b>DIESEL ENGINE</b>	<b>DEUTZ</b>	<b>BF4M2011C</b>
	Cooling system	Type	Oil with radiator
	Speed	rpm	1.500
	Displacement	c.c.	3.110
	Cylinders and disposition	n° disp.	4 L
	Aspiration	Type	Turbo
	Engine power PRP	kWm	54,0
	Fuel consumption (100% load)	l/h	14,6
	Specific consumption PRP	g/kWh	208
Engine governor (standard)	Type	Mechanical	
Electrical system (DC)	Volt	12	
<b>ALTERNATOR (1)</b>	<b>STAMFORD</b>	<b>UCI 224E</b>	
Insulation	Class	H	
Mechanical degree protection	Type	IP23	
Voltage regulation	Type (%)	Electronic (± 1,5)	

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

MANUAL CONTROL PANEL (MCP)		GSL65D	
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>	<b>Digital instrumentation</b> through Digital control unit.	<ul style="list-style-type: none"> <li>• Generating set voltage (3 phases).</li> <li>• Generating set frequency.</li> <li>• Generating set current (3 phases).</li> <li>• Battery voltage.</li> <li>• Power ( kVA).</li> <li>• Hours-counter.</li> <li>• Fuel level (%).</li> <li>• Engine temperature.</li> </ul>
		<b>Commands and others</b>	<ul style="list-style-type: none"> <li>• Start/stop selector switch with key.</li> <li>• Emergency stop button.</li> </ul>
		<b>Protections with alarm</b>	<ul style="list-style-type: none"> <li>• Engine protections: low fuel level, low oil pressure, high engine temperature.</li> </ul>
		<b>Protections with shutdown</b>	<ul style="list-style-type: none"> <li>• Engine protections: low fuel level, low oil pressure, high engine temperature.</li> <li>• Circuit breaker protection: III poles.</li> <li>• Differential protection.</li> </ul>
		<b>Output</b>	<ul style="list-style-type: none"> <li>• Power cables connection to terminals board (external).</li> </ul>

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AUTOMATIC CONTROL PANEL (ACP)		GSL65D
 <p>Automatic control panel mounted on the genset, complete with digital control unit <b>AC03</b> for monitoring, control and protection of the generating set.</p>	<p><b>Digital instrumentation</b> through AC-03 control unit.</p>	<ul style="list-style-type: none"> <li>Generating set voltage (3 phases).</li> <li>Mains voltage.</li> <li>Generating set frequency.</li> <li>Generating set current (3 phases).</li> <li>Battery voltage.</li> <li>Power (kVA - kW - kVAr).</li> <li>Power factor Cos φ.</li> <li>Hours-counter.</li> <li>Engine speed r.p.m.</li> <li>Fuel level (%).</li> <li>Engine temperature.</li> </ul>
	<p><b>Commands and others</b></p>	<ul style="list-style-type: none"> <li>Four operation modes: OFF - Manual starting - Automatic starting - Automatic test.</li> <li>Pushbutton for forcing Mains contactor or Genset contactor.</li> <li>Push-buttons: start/stop, fault reset, up/down/page/enter selection.</li> <li>Emergency stop button.</li> <li>Remote starting availability.</li> <li>DC system disconnection switch.</li> <li>Acoustic alarm.</li> <li>Automatic battery charger.</li> <li>RS232 Comuncation port.</li> <li>Setable PASSWORD for protection level.</li> </ul>
	<p><b>Protections with alarm</b></p>	<ul style="list-style-type: none"> <li>Engine protections: low fuel level, low oil pressure, high engine temperature.</li> <li>Genset protections: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage, battery charger failure.</li> </ul>
	<p><b>Protections with shutdown</b></p>	<ul style="list-style-type: none"> <li>Engine protections: low fuel level, low oil pressure, high engine temperature,</li> <li>Genset protection: under/over voltage, overload, under/over battery voltage, battery charger failure.</li> <li>Circuit breaker protection: III poles.</li> <li>Differential protection by means of the control unit.</li> </ul>
	<p><b>Ouput</b></p>	<ul style="list-style-type: none"> <li>Plinth row for connection from ACP to LTS panel.</li> <li>Power cables connection to terminals board (external).</li> </ul>

AUTOMATIC CONTROL PANEL (AMF)		GSL65D
 <p>Automatic control panel for automatic starting by Mains failure. Delivered loose from the genset, and complete with digital control unit <b>AC03</b> for monitoring, control and protection of the generating set.</p>	<p><b>Digital instrumentation</b> through AC01 control unit.</p>	<ul style="list-style-type: none"> <li>Generating set voltage (3 phases).</li> <li>Mains voltage.</li> <li>Generating set frequency.</li> <li>Generating set current (3 phases).</li> <li>Battery voltage.</li> <li>Power (kVA - kW - kVAr).</li> <li>Power factor Cos φ.</li> <li>Hours-counter.</li> <li>Engine speed r.p.m.</li> <li>Fuel level (%).</li> <li>Engine temperature.</li> </ul>
	<p><b>Commands and others</b></p>	<ul style="list-style-type: none"> <li>Four operation modes: OFF - Manual starting - Automatic starting - Automatic test.</li> <li>Pushbutton for forcing Mains contactor or Genset contactor.</li> <li>Push-buttons: start/stop, fault reset, up/down/page/enter selection.</li> <li>Emergency stop button.</li> <li>Remote starting availability.</li> <li>Acoustic alarm.</li> <li>Automatic battery charger.</li> <li>RS232 Comuncation port.</li> <li>Setable PASSWORD for protection level.</li> </ul>
	<p><b>Change over contactors Mains/Genset</b></p>	<p>IV poles - 90A.</p>
	<p><b>Protections with alarm</b></p>	<ul style="list-style-type: none"> <li>Engine protections: low fuel level, low oil pressure, high engine temperature.</li> <li>Genset protections: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage, battery charger failure.</li> </ul>
	<p><b>Protections with shutdown</b></p>	<ul style="list-style-type: none"> <li>Engine protections: low fuel level, low oil pressure, high engine temperature,</li> <li>Genset protection: under/over voltage, overload, under/over battery voltage, battery charger failure.</li> </ul>
	<p><b>Output</b></p>	<ul style="list-style-type: none"> <li>Plinth row for connection from pre-wired panel (mounted on the genset) to AMF panel.</li> <li>Power cables connected to terminals board (internal).</li> </ul>


**CONTROL PANEL SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)**

CONTROL PANEL SUPPLEMENTS		
<ul style="list-style-type: none"> <li>SKB: SOCKETS KIT B WITH 5 SOCKETS.</li> </ul>		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.
<ul style="list-style-type: none"> <li>RSS: REMOTE START/STOP. Only for MCP.</li> </ul>		
<ul style="list-style-type: none"> <li>TIF: IV POLES CIRCUIT BREAKER INSTEAD OF III POLES.</li> </ul>		



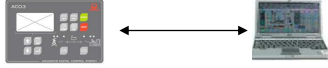

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<b>CONTROL PANEL SUPPLEMENTS</b>	<b>MAP: MANUAL ANALOGUE CONTROL PANEL.</b>		
		<b>Instrumentation</b> (analogue)	<ul style="list-style-type: none"> <li>• Voltmeter with selector switch (3 phases).</li> <li>• Frequency meter.</li> <li>• Ammeter with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

**GENSET SUPPLEMENTS ( ONLY AVAILABLE WHEN ORDERED)**

<b>GENSET SUPPLEMENTS</b>	<b>AFP: AUTOMATIC FUEL TRANSFER PUMP.</b> Not available with KRT.		
	<b>APM: PMG FOR STAMFORD ALTERNATOR + MX321 AVR.</b>		
	<b>DCC: DIFFERENT CANOPY COLOUR.</b>		
	<b>EEG: ENGINE ELECTRONIC GOVERNOR.</b> (Woodward type)		
	<b>KRT: RENTAL KIT.</b> Not allowed with PHS or AFP. Complete of:		
	<b>Battery switch.</b>		
	<b>Fuel filter water separator.</b>		
	<b>Three way valve.</b>		
	<b>Earth rod.</b>		
	<b>Sockets kit (5 sockets).</b>		
		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.	
<b>PHS: COOLANT PREHEATING SYSTEM.</b>			

**ACCESSORIES**

<b>ACCESSORIES</b>	<b>LOAD TRANSFER SWITCH PANEL.</b>		<b>GSL65D</b>
		<b>Change over contactors</b>	<b>IV poles - 90A.</b>
		<b>Connections</b>	<ul style="list-style-type: none"> <li>• Plinth row for connection from ACP to LTS panel.</li> <li>• Terminals board for power cables connection (Genset-Mains-Load).</li> </ul>
		<b>Protections</b>	<ul style="list-style-type: none"> <li>• Contactors mechanically and electrically interlocked.</li> <li>• Emergency stop button.</li> </ul>
		Load transfer switch panel built in a metal cabinet and supplied loose from the genset.	
<b>GSB: GALVANIZED SKIDS.</b> Heavy duty galvanized skid to be installed under the genset. Easily transportable with fork lift.			
<b>RCG: REMOTE CONTROL BY GSM KIT</b> (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.			
<b>STR: SITE TRAILER.</b> Single axle.			
<b>RTR: ROAD TRAILER (only for Spanish territories).</b> Single axle.		