



REF. PCS **19.00**

# MODEL | GSW530D-560 Deutz


- DEUTZ Diesel engine.
- MeccAlte alternator.
- Water cooling system with radiator.
- Internal residential muffler.
- Double lifting points frame structure.
- Complete with engine and battery liquids.
- Manual pump oil draining pipe.
- Leak proof tray facilities.




| MODEL                           |                 | GSW530D               | GSW560D               |
|---------------------------------|-----------------|-----------------------|-----------------------|
| CODE                            |                 | SC461TDA              | SC501TDA              |
| <b>PRIME POWER PRP</b>          | <b>kVA (kW)</b> | <b>459 (367)</b>      | <b>509 (407)</b>      |
| <b>EMERGENCY POWER LTP</b>      | <b>kVA (kW)</b> | <b>528 (422)</b>      | <b>546 (437)</b>      |
| Voltage                         | Volt            | 400/231               | 400/231               |
| Frequency                       | Hz              | 50                    | 50                    |
| Power factor                    | Cos φ           | 0,8                   | 0,8                   |
| Fuel capacity                   | Litres          | 636                   | 636                   |
| Autonomy (100% load PRP)        | h               | 6,0                   | 5,1                   |
| Acoustic power                  | LWA             | 98                    | 100                   |
| Acoustic pressure at 7m         | dB(A)           | 73                    | 75                    |
| Dimensions (LxWxH)              | mm              | 4.200 x 1.860 x 2.250 | 4.200 x 1.860 x 2.250 |
| Dry weight                      | kg              | 4.500                 | 4.650                 |
| <b>DIESEL ENGINE</b>            | <b>DEUTZ</b>    | <b>BF8M 1015C G2</b>  | <b>BF8M 1015 CP</b>   |
| Cooling system                  | Type            | Water                 | Water                 |
| Speed                           | r.p.m.          | 1.500                 | 1.500                 |
| Displacement                    | c.c.            | 15.900                | 15.900                |
| Cylinders and disposition       | n° disp.        | 8 V                   | 8 V                   |
| Aspiration                      | Type            | Turbo - Intercooler   | Turbo - Intercooler   |
| Engine power PRP                | kWm             | 391,3                 | 433,9                 |
| Fuel consumption (100% load)    | l/h             | 96,0                  | 114,0                 |
| Specific consumption PRP        | g/kWh           | 207                   | 221                   |
| Engine governor (standard)      | Type            | Electronic (EMR)      | Electronic (EMR)      |
| Electrical system (DC)          | Volt            | 24                    | 24                    |
| <b>ALTERNATOR</b>               | <b>MECCALTE</b> | <b>ECO 40 3S</b>      | <b>ECO 40 3S</b>      |
| Insulation                      | Class           | H                     | H                     |
| Mechanical degree of protection | Type            | IP21                  | IP21                  |
| Voltage regulation              | Type            | Electronic            | Electronic            |

TECHNICAL FEATURES

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 / AUTOMATIC CONTROL PANEL (ACP)   |  | GSW530D  | GSW560D |
|--|--|--|---------|
| <p>MANUAL / AUTOMATIC CONTROL PANEL (ACP)</p>  <p>Manual / Automatic control panel mounted on the genset, protected by a locking door, complete with digital control unit <b>AC3000</b> for monitoring, control and protection of the generating set.</p> | <p><b>Digital instrumentation</b> through AC3000 control unit (CAN BUS).</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 - kVA).</li> <li>• Power factor Cos φ.</li> <li>• Hours-counter.</li> <li>• Engine speed r.p.m.</li> <li>• Fuel level (%).</li> <li>• Oil pressure.</li> <li>• Engine temperature.</li> </ul>  |         |
|  | <p><b>Commands and others</b></p>  | <ul style="list-style-type: none"> <li>• Selector switch with three positions for six operation modes: Off (Reset) - Automatic starting (Automatic Test) - Manual starting (Mains contactor forced / Genset contactor forced).</li> <li>• Push-buttons: start/stop (up/down selection), reset, mode/view selection.</li> <li>• Emergency stop button.</li> <li>• DC system disconnection key.</li> <li>• Acoustic alarm.</li> <li>• Automatic battery charger.</li> <li>• RS232 communication 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.</li> <li>• Circuit breaker protection: III poles.</li> <li>• Differential protection by means of AC3000.</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, low coolant level.</li> <li>• Genset protection: under/over voltage, overload, under/over battery voltage.</li> </ul>  |         |
|  | <p><b>Output</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>   |         |

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| AUTOMATIC CONTROL PANEL (AMF)   |   | GSW530D   | GSW560D           |
|---|---|---|-------------------|
|  <p><b>AUTOMATIC CONTROL PANEL (AMF)</b></p> <p>Automatic control panel for automatic starting by Mains failure. Delivered loose from the genset, and complete with digital control unit <b>AC3000</b> for monitoring, control and protection of the generating set.</p> | <p><b>Digital instrumentation</b> through AC3000 control unit (CAN BUS).</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>• Oil pressure.</li> <li>• Engine temperature.</li> </ul>                                 |   |                   |
|   | <p><b>Commands and others</b></p> <ul style="list-style-type: none"> <li>• 3 position selector switch for operating modes available: OFF/RESET, MAN (MAINS FORCED &amp; GENSET FORCED), AUTO (TEST)</li> <li>• Push-buttons: start/stop (up/down selection), Contactor operation, View and mode selection.</li> <li>• Emergency stop button.</li> <li>• Remote starting availability.</li> <li>• Acoustic alarm.</li> <li>• Automatic battery charger.</li> <li>• RS232 serial port.</li> <li>• three levels of protection by PASSWORD settings.</li> </ul> |   |                   |
|   | <p><b>Change over contactors Mains/Genset</b></p>   | IV poles - 1.000A   | IV poles - 1.000A |
|   | <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.</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, low coolant level.</li> <li>• Genset protection: under/over voltage, overload, under/over battery voltage.</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>   |                   |



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

|   |
|---|
| <ul style="list-style-type: none"> <li>• <b>GPA: ALTERNATOR IP23 PROTECTION.</b></li> </ul>   |
| <ul style="list-style-type: none"> <li>• <b>AFP: AUTOMATIC FUEL TRANSFER PUMP.</b></li> </ul> |
| <ul style="list-style-type: none"> <li>• <b>DCC: DIFFERENT CANOPY COLOUR.</b></li> </ul>      |
| <ul style="list-style-type: none"> <li>• <b>FBD: FULLY BUNDED BASEFRAME</b></li> </ul>        |
| <ul style="list-style-type: none"> <li>• <b>PHS: COOLANT PREHEATING SYSTEM.</b></li> </ul>    |

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

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• <b>TIF: IV POLES CIRCUIT BREAKER INSTEAD OF III POLES.</b></li> </ul>      |   |
| <ul style="list-style-type: none"> <li>• <b>SKB: SOCKETS KIT B WITH 5 SOCKETS.</b></li> </ul>                       | <ul style="list-style-type: none"> <li>1 x 400V/63A 3P+N+T CE.</li> <li>1 x 400V/32A 3P+N+T CE.</li> <li>1 x 230V/16A 2P+T CE.</li> <li>1 x 230V/16A Schuko.</li> </ul> |
| <ul style="list-style-type: none"> <li>• <b>ADI: ADJUSTABLE DIFFERENTIAL INTENSITY (Bellow 1 Amp).</b></li> </ul>   |   |
| <ul style="list-style-type: none"> <li>• <b>RSS: REMOTE START &amp; STOP PRE-ARRANGED FREE CONTACTS.</b></li> </ul> |   |

**ACCESSORIES**

| ACCESSORIES  |  | GSW530D  | GSW560D           |
|--|--|--|-------------------|
|  <p><b>LOAD TRANSFER SWITCH PANEL.</b></p> <p>Load transfer switch panel built in a metal cabinet and supplied loose from the genset.</p>   | <p><b>Change over contactors</b></p>   | IV poles - 1.000A  | IV poles - 1.000A |
|  | <p><b>Connections</b></p>  | <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> |                   |
|  | <p><b>Protections</b></p>  | <ul style="list-style-type: none"> <li>• Contactors mechanically and electrically interlocked.</li> <li>• Emergency stop button.</li> </ul>                                      |                   |
| <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>     |  |  |                   |
| <ul style="list-style-type: none"> <li>• <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.</li> </ul> |  |  |                   |