



REF. GDS **26.00**


MODEL | GPW630 - 1030


- CUMMINS Diesel engine.
- Water cooling system.
- AIR-TO-AIR Intercooler.
- AIR-TO-WATER Intercooler.
- Sound pressure level 70dB(A) at 7m.
- Residential muffler.
- Manual pump oil draining pipe.
- Canopy fixed on baseframe



| MODEL | | GPW630 | GPW810 | GPW940 | GPW1030 | |
|---------------------------------|-------------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| TECHNICAL FEATURES | PRIME POWER PRP | kVA (kW) | 634 (507) | 811 (649) | 937 (750) | 1.031 (825) |
| | STANDBY POWER LTP | kVA (kW) | 670 (536) | 874 (699) | 1.016 (813) | 1.139 (911) |
| | Voltage | V | III 400/231 | III 400/231 | III 400/231 | III 400/231 |
| | Frequency | Hz | 50 | 50 | 50 | 50 |
| | Power factor | Cos φ | 0,8 | 0,8 | 0,8 | 0,8 |
| | Fuel capacity | Litres | 120 | 120 | 120 | 120 |
| | Autonomy (100% load PRP) | h | 0,72 | 0,62 | 0,54 | 0,50 |
| | Acoustic pressure at 7 m (+/-3 dBA) | dB(A) | 70 | 70 | 70 | 70 |
| | Dimensions (LxWxH) | mm | 5.575 x 1.870 x 2.620 | 6.550 x 2.400 x 3.200 | 7.050 x 2.400 x 3.500 | 7.050 x 2.400 x 3.500 |
| | Weight | kg | 7.227 | 9.589 | 10.439 | 10.772 |
| | DI ESEL ENGINE | CUMMINS | VTA28 G5 | QSK23 G3 | QST30 G3 | QST30 G4 |
| | Cooling system | Type | Water | Water | Water | Water |
| | Speed | r.p.m. | 1.500 | 1.500 | 1.500 | 1.500 |
| | Displacement | c.c. | 28.000 | 23.150 | 30.480 | 30.480 |
| | Cylinders and disposition | n° disp. | 12 V | 6 L | 12 V | 12 V |
| | Aspiration | Type | Turbocharged with CWC | Turbocharged with CAC | Turbocharged with CWC | Turbocharged with CWC |
| | Net engine power PRP (with fan) | kWm | 538 | 682 | 786 | 861 |
| | Net engine power LTP (with fan) | kWm | 590 | 747 | 875 | 951 |
| | Fuel consumption (100% load) | l/h | 140 | 161 | 184 | 202 |
| | Engine governor (standard) | Type | Electronic | Electronic | Electronic | Electronic |
| ALTERNATOR | MECC ALTE | ECO 40 1,5L | ECO 43 1S | ECO 43 1S | ECO 43 1L | |
| Insulation | Class | H | H | H | H | |
| Mechanical degree of protection | Type | IP 21 | IP 21 | IP 21 | IP 21 | |
| Voltage regulation | Type | Electronic | Electronic | Electronic | Electronic | |
| Sustained short circuit current | Icc / Time | 3 x In / 20 sec. | 3 x In / 20 sec. | 3 x In / 20 sec. | 3 x In / 20 sec. | |

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

| AUTOMATIC/MANUAL CONTROL PANEL (ACP) | | GPW630 | GPW810 | GPW940 | GPW1030 |
|--------------------------------------|---|---|--------|--------|---------|
| AUTOMATIC/MANUAL CONTROL PANEL (ACP) |  <p>Automatic control panel mounted on the genset, complete with digital control unit DST4601 for monitoring, control and protection of the generating set.</p> | <ul style="list-style-type: none"> • Generating set voltage (3 phases). • Mains voltage. • Generating set frequency. • Generating set current (3 phases). • Battery voltage. • Active power (kW). • Reactive power (kVAr). • Apparent power (kVA). • Power factor (cos φ). • Start-counter. • Active energy counter (kWh) no fiscal. • Hours-counter. • Oil pressure (optional). • Engine coolant temperature (optional). | | | |
| | | <ul style="list-style-type: none"> • Key operated mode selector switch: Automatic starting - Manual starting - Program - OFF/RESET - Test. • Engine start push button. • Engine stop push button. • Emergency stop push button. • Acoustic alarm silencing push button. • UP/DOWN push button for display selection. | | | |
| | | <ul style="list-style-type: none"> • Automatic battery charger. • Engine coolant preheating system power supply (single phase). • Acoustic alarm. • Programmable periodic test. • Genset report. | | | |
| | | <ul style="list-style-type: none"> • Battery failure (maximum/minimum voltage), pre-alarm for low oil pressure (optional), pre-alarm for high engine coolant temperature (optional), generator overload (derived from external contact of MCB). | | | |
| | | <ul style="list-style-type: none"> • High engine coolant temperature, low oil pressure, overspeed (derived from generator frequency), engine over-crank, no fuel, emergency stop. | | | |
| | | <ul style="list-style-type: none"> • Generator overload (derived from external contact of MCB), running under conditions not reached, generator under voltage, generator over voltage, generator under frequency, generator over frequency, maximum power, power reverse, closing of Mains contactor or genset contactor failed, stop failure. | | | |
| | | Automatic control panel mounted on the genset | | | |

| MAIN CIRCUIT BREAKER PANEL | | GPW630 | GPW810 | GPW975 | GPW1020 | |
|----------------------------|---|---|--------|--------|---------|-------|
| MAIN CIRCUIT BREAKER PANEL |  | Nominal current (In) | 1000A | 1250A | 1600A | 1600A |
| | Main features | <ul style="list-style-type: none"> • Number of poles: III poles. • Type of construction: fix moulded case. • Operating type: automatic. • Use category (EN60947-2): Curve B. • Current transformers and tripping coil. • Electronic protection by interchangeable relays for maximum current against overloads and short-circuits for alternate current. • Rated service voltage (Ue) 50/60Hz: 690V. | | | | |
| | | Main circuit breaker mounted on the genset. It protects the generator against overloads (thermal section) and short circuits (magnetic section). | | | | |



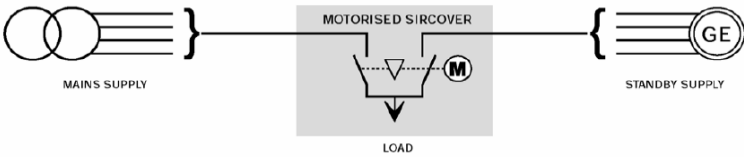
GENSET SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)

| | |
|----|---|
| GS | • EFO: EXTENDED CAPACITY ON BASE FUEL TANK. |
| | • DPP: DIFFERENTIAL PROTECTION. |
| | • AFP: AUTOMATIC REFUELING SYSTEM. |
| | • PHS: COOLANT PREHEATING SYSTEM. It is absolutely necessary for starting under ambient conditions < +10°C. |

CONTROL PANEL SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)

| | |
|-----|---|
| CPS | • TIF: IV POLES CIRCUIT BREAKER INSTEAD OF III POLES. |
|-----|---|

ACCESSORIES

| LOAD TRANSFER SWITCH PANEL | | GPW630 | GPW810 | GPW940 | GPW1030 |
|----------------------------|--|--|---|--------|------------------|
| ACCESSORIES |  | Motorized change over contactors | IV poles - 1250A | | IV poles - 1600A |
| |  | Commands | <ul style="list-style-type: none"> • Motorized change over switchgear integrated into the same device. • 3 positions selector switch, placed on the front of the panel, which allows selecting manually the following positions: <ul style="list-style-type: none"> ⇒ AUTO: Operating mode based on the automatic logic control DST4601. ⇒ MAINS: Mains power supply forcement. ⇒ GENSET: Genset power supply forcement. • Manual pulley, placed on the own change over contactors, for emergency load transfer. | | |
| | | Connections | <ul style="list-style-type: none"> • Plinth row for connection from MCB (main circuit breaker) to LTS panel. • Terminals board for power cables connection (GENSET - MAINS - LOAD). | | |
| | | Protections | <ul style="list-style-type: none"> • Mechanically and electrically interlocked. • 2 visual LED's to show the contactors position: MAINS - GENSET. • Mechanical degree of protection: IP40 (external) and IP20 (internal). | | |
| | | <p>Automatic control panel + LTS panel measures the Mains voltage and starts automatically the genset within few seconds to supply load in case of Mains failure. It transfers immediately the load back to the Mains when its voltage returns within the rated values.</p>  | | | |
| | <p>Load transfer switch panel built in a metal cabinet and supplied loose from the genset.</p> | | | | |