# GC450
## 478 kVA CUMMINS POWERED




| TECHNICAL OVERVIEW | |
|---|---|
| **MODEL** | GC450 |
| **PRIME POWER** | 450 kVA / 360 kW |
| **STANDBY POWER** | 478 kVA / 382 kW |
| **FUEL TYPE** | DIESEL |
| **SPEED** | 1500 RPM |
| **TYPE** | HEAVY DUTY |
| **FREQUENCY** | 50Hz |
| **PHASE/VOLTAGE** | THREE PHASE / 415V |
| **FUEL CAPACITY** | 980 LTR |

| ENGINE | |
|---|---|
| **MANUFACTURER** | CUMMINS |
| **ENGINE MODEL** | KTA 19G3 |
| **CYLINDER/ CAPACITY** | 3 CYL / 19 LTR |
| **INDUCTION** | TURBO AFTER COOLED |
| **FUEL CONSUMPTION** | 97 L/HR @ 100% LOAD<br>73 L/HR @ 75% LOAD<br>51 L/HR @ 50% LOAD |
| **GOVERNOR** | ELECTRONIC |
| **OIL CAPACITY** | 50 LTR |
| **COOLANT CAPACITY** | 91 LTR |

| FEATURES |
|---|
| HEAVY DUTY SKID BASE |
| HIGH AMBIENT COOLING PACKAGE |
| BATTERY CHARGER AND ISOLATOR |

| CONTROLS | |
|---|---|
| **BRAND AND MODEL** | DEEPSEA 7420 MKII |
| **CIRCUIT BREAKER** | FOUR POLE |

| ALTERNATOR | |
|---|---|
| **BRAND AND MODEL** | STAMFORD HCi544C |
| **TYPE** | BRUSHLESS / AVR |
| **HARMONIC DISTORTION** | LESS THAN 5% |
| **INSULATION CLASS** | CLASS H |

| OPTIONS |
|---|
| JACKET WATER AND ANTI-CONDENSATION HEATERS |
| SYNCHRONISING CONTROLLER OPTIONS |
| AUTO TRANSFER SWITCHES (ATS) |

| DIMENSIONS | |
|---|---|
| **LENGTH / WIDTH / HEIGHT** | 360 CM / 138 CM / 222 CM |
| **WEIGHT (DRY)** | 4813 KG |

**PRIME POWER (PRP):** Continuous operation at variable load unlimited hours per year, with an average load factor of 75%. 10% overload capability is 1 hour in a 12 hour period of operation.

**STANDBY POWER RATING (ESP):** Emergency power supply with an average load factor of 85%. No overload capability. Limited to 400 hours per year.

Materials and specifications are subject to change. Specification sheets are current as of 30/6/2025.

# GC450S
## 450 kVA CUMMINS POWERED



| TECHNICAL OVERVIEW | |
|---|---|
| **MODEL** | GC450S |
| **PRIME POWER** | 450 kVA / 360 kW |
| **STANDBY POWER** | 495 kVA / 396 kW |
| **FUEL TYPE** | DIESEL |
| **SPEED** | 1500 RPM |
| **TYPE** | HEAVY DUTY |
| **FREQUENCY** | 50Hz |
| **PHASE/VOLTAGE** | THREE PHASE / 415V |
| **FUEL CAPACITY** | 1650 LTR |

| ENGINE | |
|---|---|
| **MANUFACTURER** | CUMMINS |
| **ENGINE MODEL** | QSZ13-G2 |
| **CYLINDER/ CAPACITY** | 6 CYL / 13 LTR |
| **INDUCTION** | TURBO AFTER COOLED |
| **FUEL CONSUMPTION** | 89 L/HR @ 100% LOAD<br>67 L/HR @ 75% LOAD<br>44 L/HR @ 50% LOAD |
| **GOVERNOR** | ELECTRONIC |
| **OIL CAPACITY** | 45 LTR |
| **COOLANT CAPACITY** | 65 LTR |

| FEATURES |
|---|
| SILENCED CANOPY – 77.4 dB(A) @ 7M |
| HEAVY DUTY SKID BASE WITH FORK POCKETS |
| BUNDED FUEL TANK – 24 HOUR RUN TIME @ 75% LOAD |
| CANOPY – GALVANISED POWDER COAT |
| BATTERY CHARGER AND ISOLATOR |

| CONTROLS | |
|---|---|
| **BRAND AND MODEL** | DEEPSEA 7420 MKII |
| **CIRCUIT BREAKER** | FOUR POLE |

| ALTERNATOR | |
|---|---|
| **BRAND AND MODEL** | STAMFORD S4L1D-G4 |
| **TYPE** | BRUSHLESS / AVR |
| **HARMONIC DISTORTION** | LESS THAN 5% |
| **INSULATION CLASS** | CLASS H |

| OPTIONS |
|---|
| OUTLETS |
| MINE SPEC |
| JACKET WATER HEATER |
| EXTERNAL FUEL CONNECTION |
| AUTO TRANSFER SWITCHES (ATS) |

| DIMENSIONS | |
|---|---|
| **LENGTH / WIDTH / HEIGHT** | 442.2 CM / 151.5 CM / 241.2 CM |
| **WEIGHT (DRY)** | 4812 KG |

**PRIME POWER (PRP):** Continuous operation at variable load unlimited hours per year, with an average load factor of 75%. 10% overload capability is 1 hour in a 12 hour period of operation.

**STANDBY POWER RATING (ESP):** Emergency power supply with an average load factor of 85%. No overload capability. Limited to 400 hours per year.

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# GP450
## 500 kVA PERKINS POWERED



| TECHNICAL OVERVIEW | |
|---|---|
| **MODEL** | GP450 |
| **PRIME POWER** | 450 kVA / 360kW |
| **STANDBY POWER** | 500 kVA / 400 Kw |
| **FUEL TYPE** | DIESEL |
| **SPEED** | 1500 RPM |
| **TYPE** | HEAVY DUTY |
| **FREQUENCY** | 50Hz |
| **PHASE/VOLTAGE** | THREE PHASE / 415V |
| **FUEL CAPACITY** | 980 LTR |

| ENGINE | |
|---|---|
| **MANUFACTURER** | PERKINS |
| **ENGINE MODEL** | 2506C-E15TAG1 |
| **CYLINDER/ CAPACITY** | 6 CYL / 15 LTR |
| **INDUCTION** | TURBO AFTER COOLED |
| **FUEL CONSUMPTION** | 99 L/HR @ 100% LOAD<br>73 L/HR @ 75% LOAD<br>51 L/HR @ 50% LOAD |
| **GOVERNOR** | ELECTRONIC |
| **OIL CAPACITY** | 62 LTR |
| **COOLANT CAPACITY** | 39 LTR |

| FEATURES |
|---|
| HEAVY DUTY SKID BASE |
| HIGH AMBIENT COOLING PACKAGE |
| BATTERY CHARGER AND ISOLATOR |

| CONTROLS | |
|---|---|
| **BRAND AND MODEL** | DEEPSEA 7420 MKII |
| **CIRCUIT BREAKER** | FOUR POLE |

| ALTERNATOR | |
|---|---|
| **BRAND AND MODEL** | LEROY SOMERS LSA47.2S5 |
| **TYPE** | BRUSHLESS / AVR |
| **HARMONIC DISTORTION** | LESS THAN 5% |
| **INSULATION CLASS** | CLASS H |

| OPTIONS |
|---|
| JACKET WATER AND ANTI-CONDENSATION HEATERS |
| SYNCHRONISING CONTROLLER OPTIONS |
| AUTO TRANSFER SWITCHES (ATS) |

| DIMENSIONS | |
|---|---|
| **LENGTH / WIDTH / HEIGHT** | 357 CM / 115 CM / 214 CM |
| **WEIGHT (DRY)** | 3672 KG |

**PRIME POWER (PRP):** Continuous operation at variable load unlimited hours per year, with an average load factor of 75%. 10% overload capability is 1 hour in a 12 hour period of operation.

**STANDBY POWER RATING (ESP):** Emergency power supply with an average load factor of 85%. No overload capability. Limited to 400 hours per year.

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# GP450S
## 500 kVA PERKINS POWERED



| TECHNICAL OVERVIEW | |
|---|---|
| **MODEL** | GP450S |
| **PRIME POWER** | 450 kVA / 360 kW |
| **STANDBY POWER** | 500 kVA / 400 kW |
| **FUEL TYPE** | DIESEL |
| **SPEED** | 1500 RPM |
| **TYPE** | HEAVY DUTY |
| **FREQUENCY** | 50Hz |
| **PHASE/VOLTAGE** | THREE PHASE / 415V |
| **FUEL CAPACITY** | 1650 LTR |

| ENGINE | |
|---|---|
| **MANUFACTURER** | PERKINS |
| **ENGINE MODEL** | 2206C-E15TAG1 |
| **CYLINDER/ CAPACITY** | 6 CYL / 15 LTR |
| **INDUCTION** | TURBO AFTERCOOLED |
| **FUEL CONSUMPTION** | 99 L/HR @ 100% LOAD<br>73 L/HR @ 75% LOAD<br>51 L/HR @ 50% LOAD |
| **GOVERNOR** | ELECTRONIC |
| **OIL CAPACITY** | 62 LTR |
| **COOLANT CAPACITY** | 39 LTR |

| FEATURES |
|---|
| SILENCED CANOPY – 76.8 dB(A) @ 7M |
| HEAVY DUTY SKID BASE WITH FORK POCKETS |
| BUNDED FUEL TANK – 22 HOUR RUN TIME @ 75% LOAD |
| CANOPY – GALVANISED POWDER COAT |
| BATTERY CHARGER AND ISOLATOR |

| CONTROLS | |
|---|---|
| **BRAND AND MODEL** | DEEPSEA 7420 MKII |
| **CIRCUIT BREAKER** | FOUR POLE |

| ALTERNATOR | |
|---|---|
| **BRAND AND MODEL** | LEROY SOMER LSA47.2S5 |
| **TYPE** | BRUSHLESS / AVR |
| **HARMONIC DISTORTION** | LESS THAN 5% |
| **INSULATION CLASS** | CLASS H |

| OPTIONS |
|---|
| OUTLETS |
| MINE SPEC |
| JACKET WATER HEATER |
| EXTERNAL FUEL CONNECTION |
| AUTO TRANSFER SWITCHES (ATS) |

| DIMENSIONS | |
|---|---|
| **LENGTH / WIDTH / HEIGHT** | 458 CM / 154 CM / 256 CM |
| **WEIGHT (DRY)** | 5266 KG |

**PRIME POWER (PRP):** Continuous operation at variable load unlimited hours per year, with an average load factor of 75%. 10% overload capability is 1 hour in a 12 hour period of operation.

**STANDBY POWER RATING (ESP):** Emergency power supply with an average load factor of 85%. No overload capability. Limited to 400 hours per year.

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