



### 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 | DEESEA 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.

