



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 67 L/HR @ 75% LOAD 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.

