

**EMERGENCY POWER GENERATOR DATA SHEET**

SPECIFICATION

PROJECT: SERVICE: **Emergency Generator/Driver**

MANUFACTURER: **TBA** SIZE: **334 kw** QUANTITY: **2**

NOTE: INFORMATION MARKED WITH  TO BE COMPLETED BY THE VENDOR

**VENDOR'S DATA**

**ENGINE**

MAKE: Cummins  
 MODEL: QSK19G  
 CYCLE: 4-cycle  
 ASPIRATION:  \* NATURAL  \* TURBO CHARGED  
 RATED POWER AT SITE CONDITIONS: 2@334 KW  
 NO. OF CYLINDERS: 6  
 BORE: 159 mm  
 STROKE: 159 mm  
 DISPLACEMENT: 19 L  
 BMEP AT RATED LOAD: 12:4bar(G) Kpa  
 SPL AT 1M: \* dB(A)

**AIR/EXHAUST SYSTEM (AT RATED LOAD):**

COMBUSTION AIR INLET FLOW RATE: \* m<sup>3</sup>/min  
 MAXIMUM PERMISSIBLE EXHAUST BACK PRESSURE: \* kPa  
 EXHAUST GAS FLOW: 4683 lb/hr@100% m<sup>3</sup>/h  
 EXHAUST GAS TEMP AT MANIFOLD OUTLET: 441 C  
 EXHAUST OUTLET INSIDE DIAMETER: 6 mm  
 SPL AT 1m: \* dB(A)

**STARTING:**

TYPE:  ELECTRIC  PNEUMATIC  
 FOR ELECTRIC SYSTEMS:  
 NUMBER OF BATTERIES: 2  
 TYPE OF BATTERIES: Heavy Duty  
 BATTERY RATING: \* CRANKING AMPS  
 VOLTAGE: 24 VOLTAGE

**COOLING SYSTEM:**

RADIATOR MOUNTING: Set Mounted Radiator, Extended Skid  
 FAN DRIVE:  MOTOR  SHAFT  
 EXTENDED SHAFT:  YES  NO  
 HEAT RADIATED TO ROOM:  
 BY ENGINE: \* W  
 BY GENERATOR: \* W  
 RADIATOR AIR FLOW: \* m<sup>3</sup>/h  
 ENGINE COOLENT CAPACITY: \* L  
 AVAILABLE EXTERNAL COOLING FAN STATIC PRESSURE: \* H2O

FOR PNEUMATIC SYSTEMS:

N/A  
 VOLUME PER CRANK: N/A m<sup>3</sup>  
 STARTER MANUFACTURER: N/A

**FUEL SYSTEM:**

ESTIMATED FUEL CONSUMPTION AT RATED LOAD: \* L/HOUR  
 RECOMMENDED FUEL LINE SIZE:  
 SUPPLY: \* mm RETURN: \* mm  
 TANK CAPACITY:  
 DAY: L MAIN: L

**GENERATOR:**

MAKE: Cummins  
 MODEL: 1HC5C  
 RATED KW AT P.F.: 0.8  
 RATED KVA: 417  
 REACTANCES Xd/X'd/X"d: \* / \* / \* PU  
 PMG:  YES  NO

**RESPONSE CRITERIA:**

ISO CLASS 1  ISO CLASS 2  
 OTHER Accepts Rated Load in One Step per NFPA 110, Level 1  
 SPEED BAND  OVERSHOOT  
 TRANSIENT RESPONSE ISO 8528-5 and NFPA 110  
 SPEED DIP \*  
 SPEED DROOP variations to 4.5%

**CONTROLS:**

ENGINE GOVERNOR: MAKE: Cummins MODEL: \*  
 VOLTAGE REGULATOR: MAKE: Cummins MODEL: \*

NOTES: \* Indicates Vendor to provide information.

1. Starting System: Electric Starter, batteries, battery cables, automatic battery charger. Provides minimum three consecutive starts of 45 seconds duration without battery recharging.

REV	DESCRIPTION	DATE	BY	LDE	PE	REV	DESCRIPTION	DATE	BY	LDE	PE
A	Issued for Quotation	21-Aug-12		PS							
0	Issued For Purchase	4-Nov-12			RH						