

Project : Kings Drive, Eastbourne.

Mechanical Information Submission (to discharge planning condition 19)

Table 1 - Mechanical Plant Summary Sheet

Item	Manufacturer / Specification
VRF AC Condensers (Worst Case)	LG ARUN100LSS0
AC Split Condensers (Worst Case)	LG DC24RQ U24
Kitchen Extract	Flaktwoods 40JM.BIF(200)/20/2/6/20
Kitchen supply	Flaktwoods ACON-02804458
Laundry dryer extract ductwork	Dryers by others
Ventilation system (roof mounted AHU)	Flaktwoods CairPLUS SX 128
Boilers	Potterton Sirius3 130's x3
CHP	SAV Loadtracker XRGi20

Generator	DT GEN Model: DTG145S/B.
Attenuators/ Silencers	SPEK



Technical Submission Document	Drawing Reference
Ref. 001	CML-C-390-M404-1 Rev B
Ref. 002	CML-C-390-M404-1 Rev B
Ref. 003	CML-C-390-M204-1 Rev D
Ref. 004	CML-C-390-M204-1 Rev D
	CML-C-390-M204-1 Rev D
Ref. 005	CML-C-390-M404-1 Rev B
Ref. 006 (Drawing Ref. B1, B2, B3)	CML-C-390-M802 Rev A
Ref. 007 (Drawing Ref. CHP1)	CML-C-390-M802 Rev A

Ref. 009 Generator DT GEN	N/A (refer to Tech Submission)
Ref. 008 (Drawing Ref. ATT-...)	CML-C-390-M204-2 Rev C

Noise Emission db	Any feature to limit noise emissions? ie silencers or attenuator specification. Can the effective reduction in noise emission be defined?
58 dBa (Sound Pressure Level)	Located at roof level away from windows, etc.
84 dBa (Sound Power Level)	
55 dBa (Sound Pressure Level)	Located at roof level away from windows, etc.
65 dBa (Sound Power Level)	
75 dBa @ 3m	Located at roof level away from windows, etc. Job & atmosphere side attenuators fitted to reduce sound levels to NR40 internally and NR45 at 3m from exhaust
51 dBa @ 3m	Located at roof level away from windows, etc. Attenuator fitted to reduce sound levels to NR40
68 dB	Located at roof level away from windows, etc.
56 dBa	Job & atmosphere side attenuators to reduce sound levels to NR35 internally and NR45 at roof level discharge/intake
35 dBa (within plantroom)	they're inside a plantroom
49 dBa (within plantroom)	they're inside a plantroom

Canopies are designed to reduce the noise emitted from the generator to 85 dBA at 1 m / 68 dBA at 7 m distance in assumed free field conditions	The generator set shall be housed within an acoustic canopy; this canopy will be fitted with ventilation grilles and acoustic attenuation.
Reduction levels to NR35 internally on general AHU, NR40 within the kitchen and NR45 externally at a distance of 3m from exhaust.	n/a

Air emission statement, as applicable	Any features to control / limit air emissions? As applicable
n/a	n/a
n/a	n/a
Located at roof level away from windows, etc to reduce the risk of odour for occupants & neighbouring buildings	None
n/a	n/a
n/a	n/a
n/a	n/a
Flue discharges through roof to atmosphere	None
Flue discharges through roof to atmosphere	None

exhaust tail pipe terminating through the roof of canopy	n/a
n/a	n/a