

DW172 COMPLIANCE CALCULATIONS

Job No. 14797/001 (BAC - 11641)

Site Name. Factory International

Rev. **B**

HVCA	DW/172	SPECIFICATIONS FOR EXTRACTION CANOPY UNIT						
DWG REF	ITEM	SOURCE	PLAN SIZE		AREA	COEFFICIENT	FLOW RATE	SURFACE
			Length (mm)	Width (mm)	M ²		M ³ /S	TEMP °C
A7.02	Benches, Spreaders, Worktops	N/A	560	870	0.487	0.03	0.015	0.03
A7.32	Refrigeration Unit	Electric	1100	860	0.946	0.05	0.047	
A7.03	Griddle - Mild Steel	Electric	600	830	0.498	0.25	0.125	
A7.04	Benches, Spreaders, Worktops	N/A	600	870	0.522	0.03	0.016	0.03
A7.05	Grill - Salamander	Electric	600	500	0.300	0.55	0.165	
A7.07	Hob (Induction)	Electric	900	727	0.654	0.4	0.262	
A7.07a	Benches, Spreaders, Worktops	N/A	900	870	0.783	0.03	0.023	0.03
A7.06	Chargrill	Electric	1305	870	1.135	0.52	0.590	
A7.28	Refrigeration Unit	Electric	1100	860	0.946	0.05	0.047	
A7.08	Benches, Spreaders, Worktops	N/A	300	870	0.261	0.03	0.008	0.03
A7.09	Deep Fat Fryer	Electric	1190	765	0.910	0.45	0.410	
A7.11	Benches, Spreaders, Worktops	N/A	1190	260	0.309	0.03	0.009	0.03
A7.12	Server Counter - Hot Food	Electric	490	735	0.360	0.24	0.086	
A7.13	Benches, Spreaders, Worktops	N/A	490	870	0.426	0.03	0.013	#N/A
A7.29	Bains Marie	Electric	565	400	0.226	0.15	0.034	#N/A
A7.15	Benches, Spreaders, Worktops	N/A	1230	870	1.070	0.03	0.032	#N/A
A7.17/17b	6 Grid /10 Grid (Stacked)	Electric	850	776	0.660	0.6	0.396	#N/A
A7.21/21b	6 Grid /10 Grid (Stacked)	Electric	850	776	0.660	0.6	0.396	#N/A
Theoretical Extract volume required							2.941	m ³ /s
Canopy Type Overhead Wall Single Open End							1.200	
SPECIFIC EXTRACT FLOW RATE REQUIRED							3.529	m ³ /s
SPECIFIC SUPPLY FLOW RATE REQUIRED							3.000	m ³ /s