EVO235 Concealed Installation

Unit Performance

SIZE	Guide NR	Airflow l/s	ESP Pa	SFP W/(l/s)	Sensible Cooling 6-12°C	Total Cooling 6-12°C	Sensible Cooling 8-14°C	Total Cooling 8-14°C	Sensible Cooling 10-16°C	Total Cooling 10-16°C	LPHW Heating 80-60°C	LPHW Heating 70-40°C	LPHW Heating 45-40°C
100	35	103	30	0.20	1533	1870	1257	1412	980	1067	2059	1103	762
200	35	150	30	0.28	2246	2739	1843	2070	1441	1569	2999	1607	1109
250	35	244	30	0.30	3500	4268	2845	3196	2041	2222	4879	2614	1657
300	35	279	30	0.26	4079	4974	3330	3741	2581	2810	5579	2989	2064
350	35	293	30	0.24	4263	5199	3477	3906	2690	2929	5859	3139	2168
400	35	344	30	0.25	5043	6150	4120	4628	3197	3481	6879	3685	1955
500	35	382	30	0.25	5587	6813	4561	5124	3536	3850	7639	4093	2826
550	35	428	30	0.35	6259	7633	5111	5741	3962	4314	8558	4585	3167
600	35	463	30	0.22	6771	8257	5529	6211	4286	4666	9258	4960	3425
650	35	480	30	0.25	7046	8593	5758	6468	4470	4867	9598	5143	3551
100	38	131	30	0.27	1911	2330	1559	1808	1208	1315	2619	1403	969
200	38	177	30	0.28	2618	3193	2143	2407	1668	1816	3539	1896	1309
250	38	296	30	0.30	4143	5052	3348	3761	2554	2781	5919	3171	2190
300	38	341	30	0.26	4882	5954	3967	4456	3051	3322	6819	3653	2360
350	38	361	30	0.27	5133	6260	4164	4678	3195	3478	7219	3868	2360
400	38	408	30	0.28	5882	7173	4786	5376	3691	4019	7818	4371	1955
500	38	446	30	0.27	6398	7802	5201	5843	4004	4359	8918	4778	3300
550	38	516	30	0.35	7402	9027	6018	6760	4633	5044	10318	5528	3818
600	38	581	30	0.29	8335	10165	6776	7612	5216	5679	11618	6225	3956
650	38	590	30	0.33	8485	10348	6902	7753	5318	5790	11798	6321	4015

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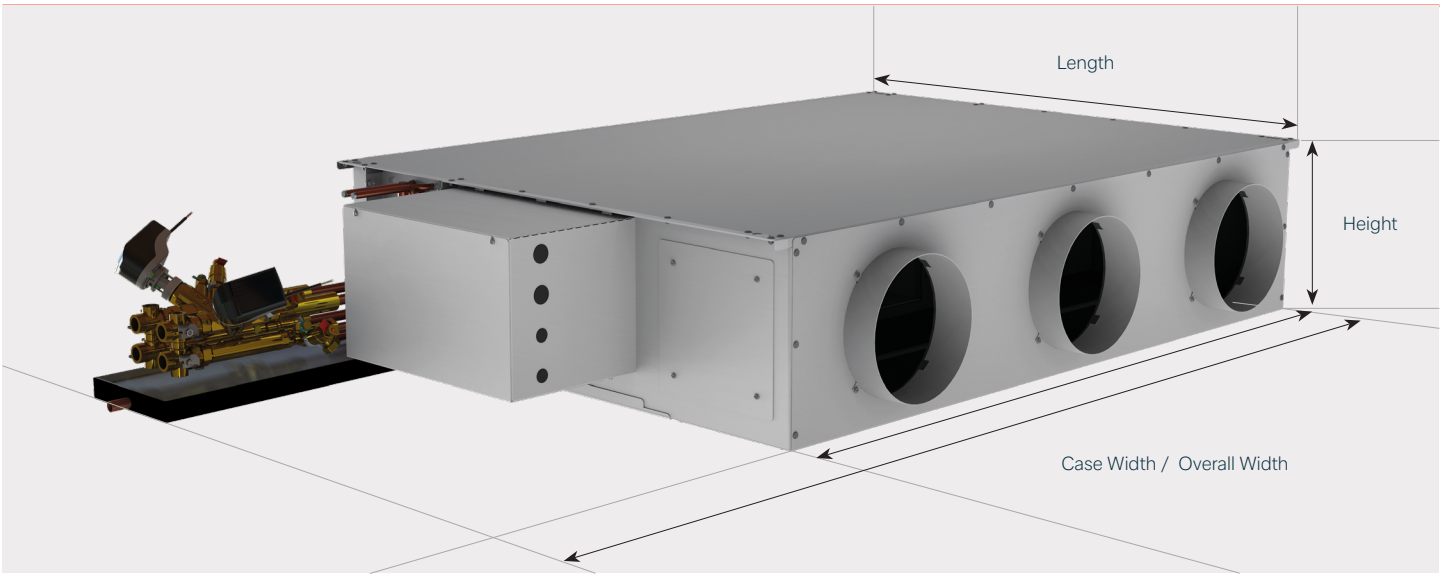

Data Dimensions

Size	Case Width (mm)	Overall Width (mm)	Height (mm)	Length (mm)	Spigot Diameter (mm)	Weight (Kg)	Max (Amps)
100	616	803	235	900	200	37	0.68
200	916	1,103	235	900	200	48	0.68
250	916	1,103	235	900	200	52	1.28
300	1,216	1,403	235	900	200	60	1.28
350	1,216	1,403	235	900	200	64	1.92
400	1,516	1,703	235	900	200	78	1.92
500	1,816	2,003	235	900	200	86	1.92
550	1,816	2,003	235	900	200	92	2.60
600	2,116	2,303	235	900	200	97	2.60
650	2,116	2,303	235	900	200	103	3.28

Performance Data Qualification

Ability have invested heavily in a new Fan Coil specific acoustic test suite and various analysing hardware and software packages. All of our FCU ranges have been fully acoustically tested in the new facility in accordance with the Real Room Acoustic Test Procedure published by the HEVAC Association. Using room volume, reverberation and background corrections, the Sound Pressure Levels measured under test conditions have been converted to Noise Rating (NR) Levels. In addition to this, Sound Power Level calculations have been undertaken from Sound Intensity measurements made in accordance with ISO 9614-1:2009. These SWLs have been correlated and verified with testing at the Institute of Sound and Vibration Research, University of Southampton, to BS EN ISO 3741:2010, with further corroboration against testing at Sound Research Laboratory. Tests have also been conducted in the new suite in accordance with BS 4856:Part 4.

Full setup and details available upon request.

Thermal performance selections based on Summer: 23°C 50% RH / Winter: 21°C 50% RH

All testing performed using standard units, featuring integral discharge plenums with circular connections. Units are fitted with G3 filter media and (unless specifically mentioned) include heat exchangers with 12FPI fin pitch.