EVO270+ 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	144	30	0.24	1976	2410	1589	1785	1310	1310	2879	1542	1065
200	35	225	30	0.25	3036	3702	2433	2733	1991	1991	4499	2410	1664
250	35	279	30	0.27	3664	4468	2916	3276	2359	2359	5579	2989	2064
300	35	343	30	0.24	4614	5627	3694	4150	3019	3019	6859	3675	2360
400	35	427	30	0.26	5551	6770	4405	4948	3548	3548	7818	4575	2955
500	35	529	30	0.25	7115	8677	5696	6399	4655	4655	10578	5668	3914
550	35	560	30	0.31	7477	9118	5974	6711	4868	4868	11198	6000	4143
600	35	651	30	0.28	8699	10609	6952	7809	5666	5666	13018	6975	4266
100	38	170	30	0.24	2285	2787	1829	2121	1495	1495	3399	1821	1257
200	38	240	30	0.25	3215	3921	2571	2888	2098	2098	4799	2571	1775
250	38	346	30	0.27	4389	5352	3460	3887	2757	2757	6919	3707	2560
300	38	412	30	0.24	5404	6590	4298	4828	3475	3475	8238	4414	2360
400	38	488	30	0.26	6230	7598	4920	5527	3931	3931	7818	5228	3257
500	38	601	30	0.25	7947	9691	6334	7115	5140	5140	12018	6439	4447
550	38	682	30	0.31	8843	10784	7012	7877	5642	5642	13638	7307	4567
600	38	782	30	0.28	10172	12405	8073	9069	6504	6504	15637	8378	4266

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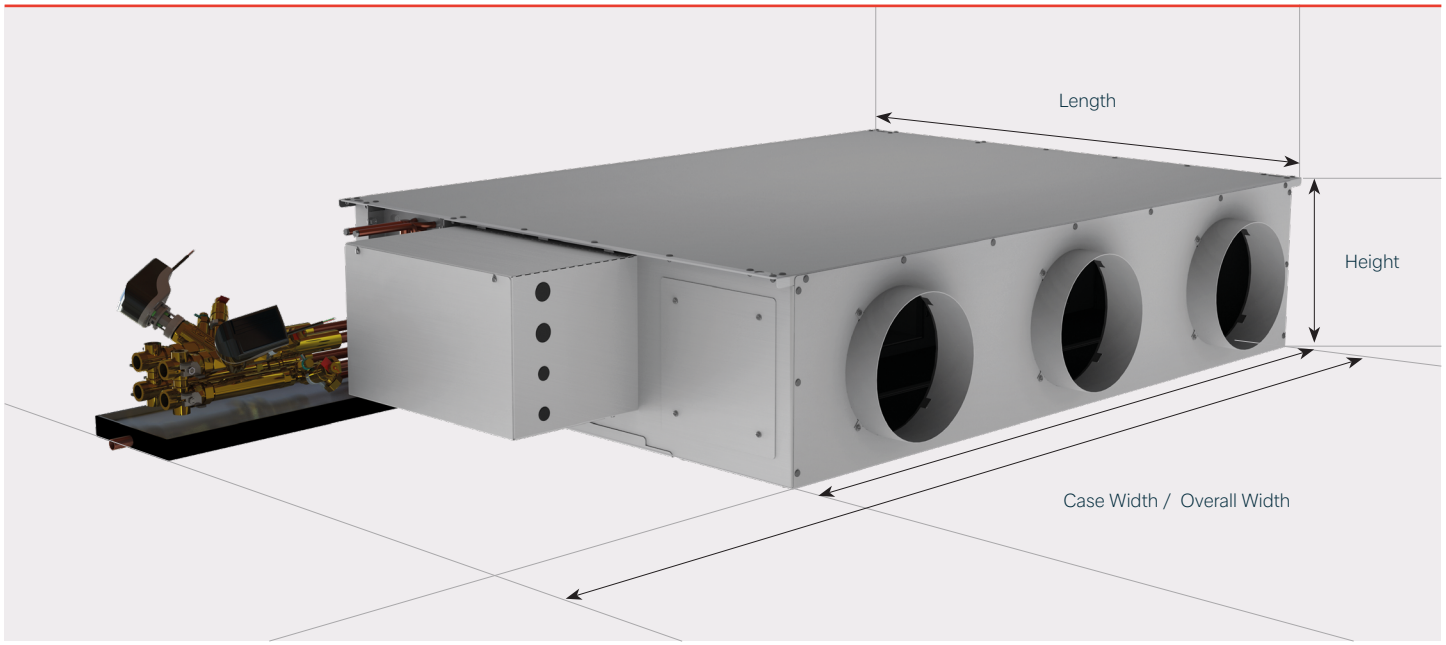

Data Dimensions

Size	Case Width (mm)	Overall Width (mm)	Height (mm)	Length (mm)	Spigot Diameter (mm)	Weight (Kg)	Max (Amps)
100	616	803	270	900	250	41	0.68
200	916	1,103	270	900	250	52	0.68
250	916	1,103	270	900	250	56	1.28
300	1,216	1,403	270	900	250	66	1.28
400	1,516	1,703	270	900	250	82	1.92
500	1,816	2,003	270	900	250	93	1.92
550	1,816	2,003	270	900	250	97	2.60
600	2,116	2,303	270	900	250	105	2.60

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.