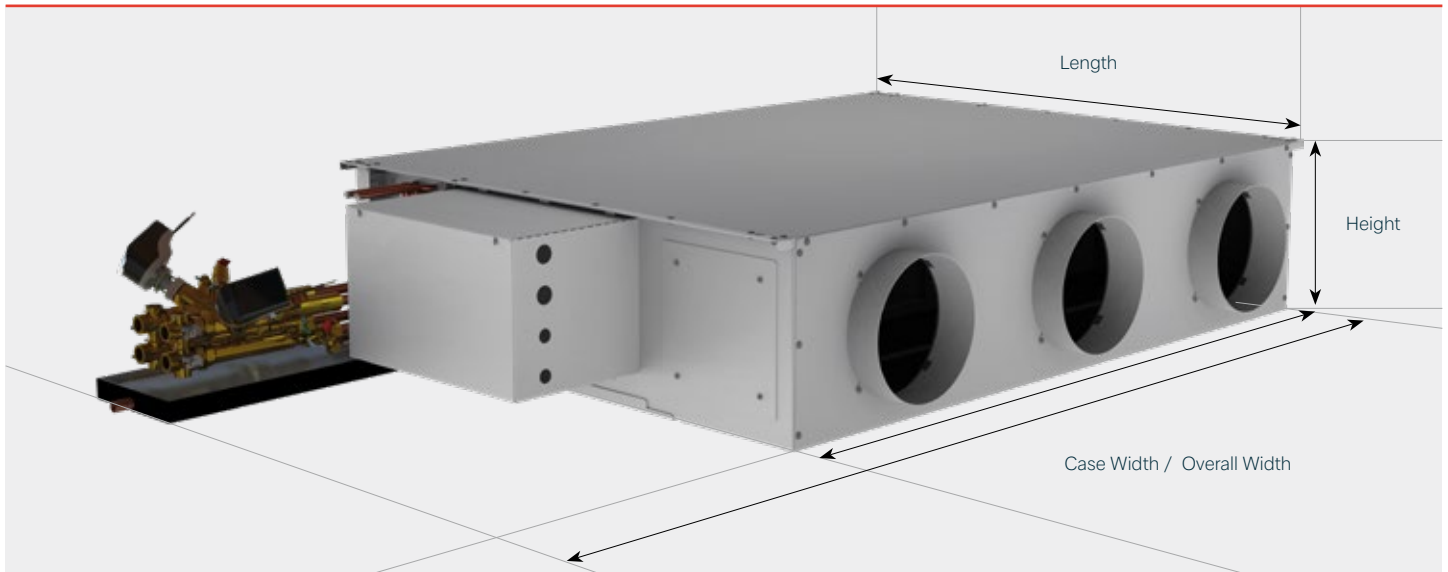


EVO270 Concealed Installation



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	114	30	0.21	1600	1951	1294	1454	1076	1076	2279	1221	843
200	35	165	30	0.25	2293	2796	1850	2078	1532	1532	3299	1767	1220
250	35	227	30	0.25	3060	3732	2451	2753	2005	2005	4539	2432	1679
300	35	277	30	0.24	3816	4654	3072	3451	2536	2536	5539	2967	2049
350	35	340	30	0.24	4579	5584	3666	4118	2998	2998	6799	3643	2360
400	35	393	30	0.26	5160	6293	4106	4612	3322	3322	7818	4210	2706
500	35	412	30	0.24	5694	6944	4589	5155	3792	3792	8238	4414	3048
550	35	476	30	0.31	6482	7905	5205	5847	4275	4275	9518	5100	3522
600	35	532	30	0.22	7280	8878	5852	6574	4818	4818	10638	5700	3936
650	35	558	30	0.27	7597	9265	6099	6851	5009	5009	11158	5978	4128
100	38	140	30	0.24	1927	2350	1551	1799	1279	1279	2799	1500	1035
200	38	190	30	0.25	2609	3182	2099	2358	1730	1730	3799	2035	1405
250	38	265	30	0.27	3505	4274	2794	3139	2268	2268	5299	2839	1960
300	38	317	30	0.24	4305	5250	3454	3880	2834	2834	6339	3396	2345
350	38	393	30	0.27	5191	6330	4136	4646	3298	3298	7858	4210	2509
400	38	463	30	0.26	5955	7262	4713	5294	3778	3778	7818	4960	3005
500	38	488	30	0.25	6627	8082	5318	5974	4364	4364	9758	5228	3610
550	38	545	30	0.31	7303	8906	5840	6560	4765	4765	10898	5839	4032
600	38	629	30	0.28	8442	10295	6754	7587	5516	5516	12578	6739	4266
650	38	651	30	0.35	8699	10609	6952	7809	5656	5656	13018	6975	4266



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
350	1,216	1,403	270	900	250	70	1.92
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
650	2,116	2,303	270	900	250	109	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.