EVO270+ Exposed 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	102	30	0.18	1445	1762	1171	1315	977	977	2039	1092	754
200	35	162	30	0.25	2255	2750	1820	2044	1508	1508	3239	1735	1198
250	35	178	30	0.20	2458	2998	1980	2224	1636	1636	3559	1907	1317
300	35	257	30	0.23	3565	4348	2875	3230	2380	2380	5139	2753	1901
400	35	322	30	0.22	4316	5263	3452	3878	2817	2817	6439	3450	2380
500	35	403	30	0.24	5581	6806	4500	5055	3721	3721	7798	4178	2885
550	35	405	30	0.29	5607	6838	4520	5078	3738	3738	8098	4339	2996
600	35	481	30	0.20	6649	8109	5358	6019	4428	4428	9618	5153	3559
100	38	124	30	0.23	1727	2106	1395	1567	1156	1156	2571	1328	917
200	38	194	30	0.25	2658	3241	2138	2402	1760	1760	3879	2078	1435
250	38	228	30	0.26	3072	3746	2460	2763	2012	2012	4559	2442	1687
300	38	292	30	0.24	4001	4879	3217	3614	2649	2649	5839	3128	2160
400	38	366	30	0.25	4844	5907	3861	4337	3134	3134	7319	3921	2684
500	38	453	30	0.25	6202	7563	4986	5601	4106	4106	9058	4853	3352
550	38	466	30	0.31	6361	7757	5110	5740	4203	4203	9318	4993	3448
600	38	550	30	0.24	7500	9146	6024	6767	4950	4950	10998	5893	4069

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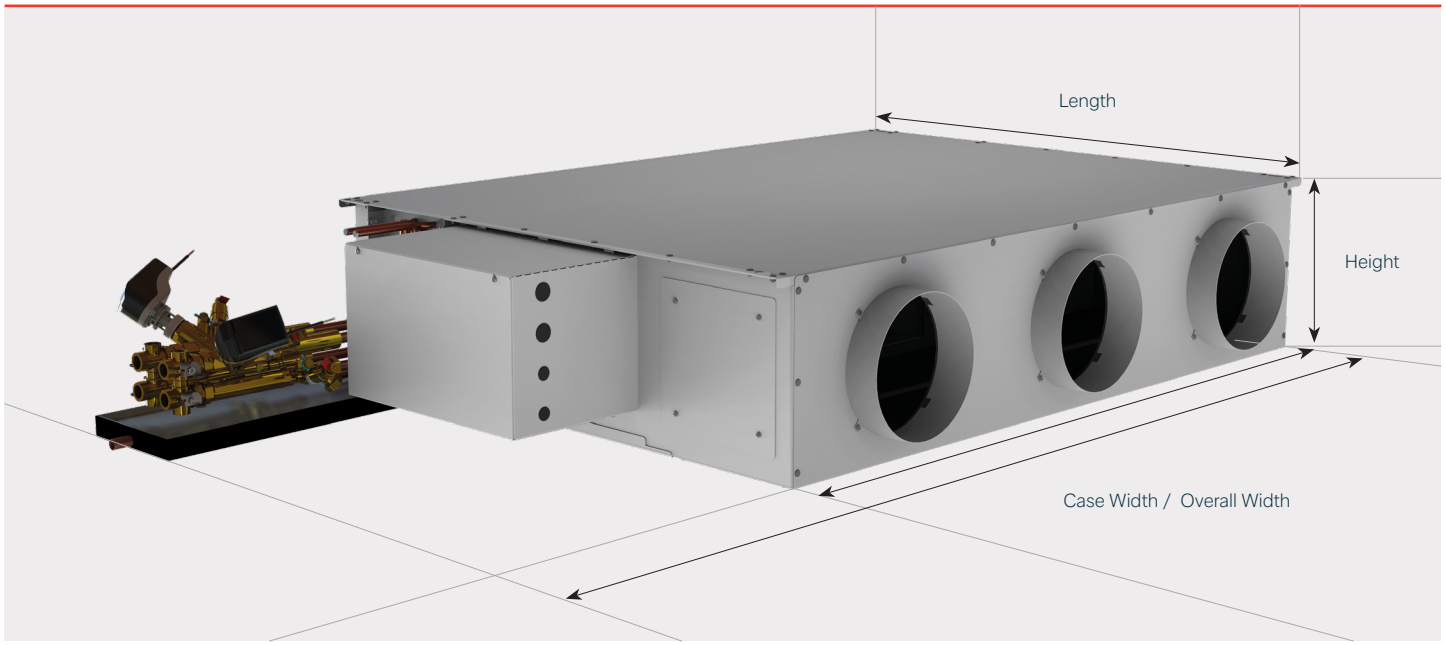

Data Dimensions

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.