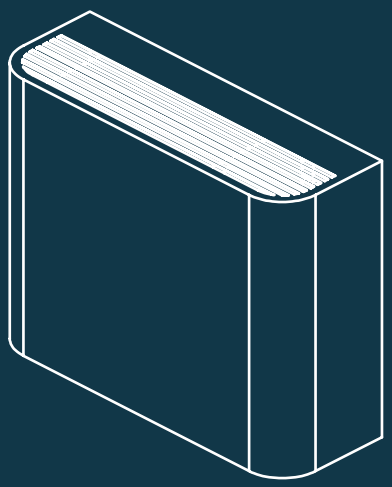
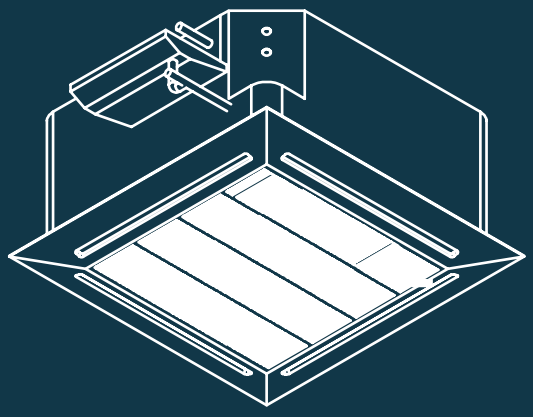
QUARTZ

FAN COILS AND HVAC

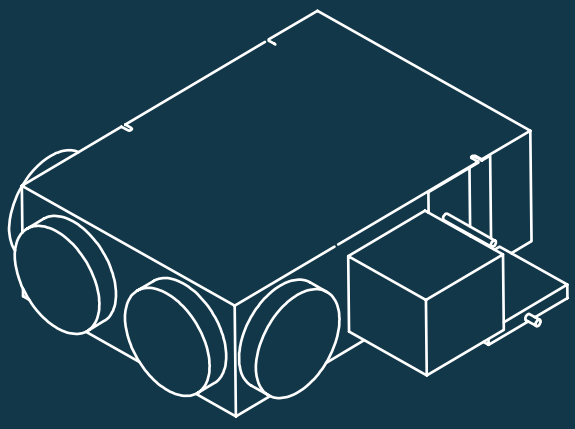






fan coils & hvac

Technical Brochure



QUARTZ 5 Year PARTS WARRANTY AS STANDARD

DESIGNED & MADE IN THE UK

In partnership with

MARSTAIR

REFRIGERATION AND SPECIALIST AIR CONDITIONING

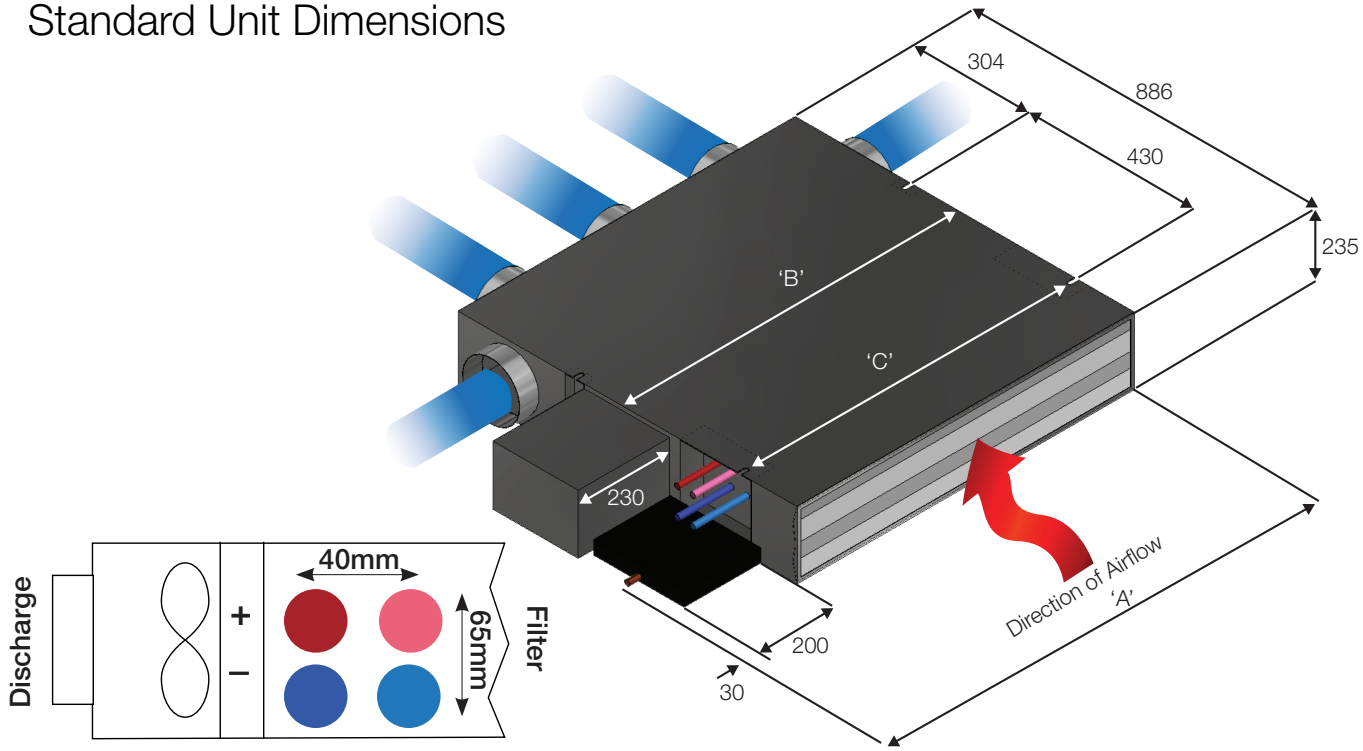


Performance Output

*ALL DATA AT 30Pa EXTERNAL RESISTANCE

Model	Speed	Airflow l/s	Cooling						Heating						Electrical (EC/DC)		Acoustic
			UK (23db/16.1wb)			Eurovent (27db/19wb)			UK (20db)		Eurovent (20˚C)						
			6/12			7/12			82/71		65/55 4 pipe		45/40 2 pipe				
			Sensible	Total	Air off db	Sensible	Total	Air off db	Total	Air off db	Total	Air off db	Total	Air off db	FLC	Anticipated SFP	NR
			kW	kW	˚C	kW	kW	˚C	kW	˚C	kW	˚C	kW	˚C	Amps	w/l/s	See Qualification
AMB 1-1	Whisper	55	0.82	0.98	10.7	1.05	1.40	11.2	1.56	43.4	1.34	40.1	1.51	42.7	0.70	0.18	25
	Low	100	1.39	1.58	11.5	1.74	2.23	12.6	2.29	38.9	1.89	35.6	2.52	40.8	0.70	0.20	30
	Low-med	135	1.78	1.98	12.1	2.21	2.78	13.5	2.72	36.7	2.19	33.4	3.22	39.7	0.70	0.26	33
	Med	160	2.05	2.26	12.4	2.54	3.14	13.9	3.02	35.6	2.36	32.2	3.67	39.0	0.70	0.33	35
	Med-high	170	2.15	2.36	12.5	2.66	3.28	14.1	3.14	35.3	2.42	31.8	3.84	38.7	0.70	0.36	37
	High	180	2.25	2.47	12.7	2.79	3.42	14.2	3.24	34.9	2.48	31.4	1.54	27.1	0.70	0.40	40
AMB 2-2	Whisper	70	1.09	1.34	10.1	1.33	1.79	11.3	2.29	47.0	1.79	41.1	1.91	42.6	0.70	0.17	25
	Low	85	1.21	1.40	11.2	1.62	2.18	11.2	2.43	43.6	2.02	39.6	2.33	42.7	0.70	0.19	27
	Low-med	115	1.53	1.71	12.0	2.11	2.77	11.8	2.94	41.1	2.42	37.4	3.03	41.8	0.70	0.20	30
	Med	155	2.13	2.41	11.6	2.71	3.49	12.5	3.59	39.1	2.84	35.1	3.90	40.8	0.70	0.28	33
	Med-high	170	2.30	2.59	11.8	2.93	3.74	12.8	3.78	38.4	2.97	34.4	4.20	40.4	0.70	0.30	34
	High	180	2.42	2.72	11.9	3.06	3.90	12.9	3.91	38.0	3.05	34.0	4.40	40.2	0.70	0.35	35
AMB 3-2	Whisper	85	1.21	1.40	11.2	1.62	2.21	11.2	2.43	43.6	2.02	39.6	2.33	42.7	1.40	0.20	25
	Low	115	1.53	1.71	12.0	2.11	2.77	11.8	2.94	41.1	2.42	37.4	3.03	41.8	1.40	0.23	27
	Low-med	168	2.19	2.43	12.2	2.90	3.71	12.7	3.76	38.5	2.95	34.5	4.17	40.5	1.40	0.25	30
	Med	228	2.84	3.11	12.7	3.70	4.62	13.6	4.50	36.3	3.39	32.3	5.31	39.3	1.40	0.28	33
	Med-high	275	3.32	3.61	13.0	4.27	5.24	14.2	5.05	35.2	3.66	31.0	6.11	38.4	1.40	0.30	34
	High	289	3.45	3.75	13.1	4.42	5.41	14.4	5.21	34.9	3.73	30.7	6.33	38.1	1.40	0.33	35
AMB 3-3	Whisper	75	1.28	1.68	8.9	1.47	2.00	10.8	3.28	56.1	2.00	42.0	2.12	43.4	0.70	0.16	25
	Low	90	1.44	1.81	9.8	1.73	2.36	11.1	3.38	51.0	2.07	39.0	2.50	43.0	0.70	0.18	27
	Low-med	120	1.72	2.00	11.2	2.30	3.12	11.2	3.55	44.5	2.85	39.6	3.31	42.8	0.70	0.20	30
	Med	160	2.24	2.56	11.4	2.97	3.96	11.7	4.24	41.9	3.37	37.4	4.27	42.1	0.70	0.28	33
	Med-high	180	2.52	2.88	11.4	3.28	4.36	11.9	4.58	41.0	3.60	36.5	4.72	41.7	0.70	0.31	34
	High	190	2.65	3.03	11.5	3.44	4.55	12.0	4.74	40.6	3.71	36.1	4.94	41.5	0.70	0.35	35
AMB 4-3	Whisper	100	1.54	1.88	10.3	1.91	2.58	11.2	3.41	48.2	2.54	41.0	2.75	42.7	1.40	0.15	25
	Low	135	1.88	2.14	11.5	2.56	3.44	11.3	3.81	43.3	2.72	36.7	3.68	42.5	1.40	0.17	27
	Low-med	200	2.79	3.18	11.5	3.59	4.74	12.2	4.91	40.3	3.81	35.7	5.16	41.3	1.40	0.20	30
	Med	240	3.29	3.72	11.7	4.18	5.45	12.6	5.51	39.0	4.18	34.4	6.00	40.7	1.40	0.23	33
	Med-high	275	3.69	4.14	11.9	4.67	6.04	13.0	5.97	37.9	4.45	33.4	6.70	40.1	1.40	0.25	34
	High	300	3.98	4.42	12.0	5.01	6.43	13.2	6.29	37.3	4.62	32.7	7.19	39.8	1.40	0.28	35
AMB 5-4	Whisper	105	1.66	2.07	9.9	2.06	2.84	10.8	3.92	50.9	2.76	41.7	2.93	43.1	1.40	0.15	25
	Low	140	2.03	2.37	11.0	2.74	3.76	10.8	4.07	44.0	2.91	37.2	3.88	42.9	1.40	0.17	27
	Low-med	205	2.93	3.38	11.2	3.83	5.17	11.6	5.16	40.8	4.10	36.5	5.43	41.9	1.40	0.20	30
	Med	250	3.51	4.02	11.4	4.54	6.05	12.0	5.90	39.5	4.53	35.0	6.43	41.3	1.40	0.24	33
	Med-high	280	3.87	4.40	11.6	4.99	6.60	12.3	6.32	38.7	4.78	34.1	7.06	40.8	1.40	0.26	34
	High	320	4.33	4.86	11.8	5.56	7.30	12.6	6.82	37.6	5.07	33.1	7.87	40.3	1.40	0.29	35
AMB 6-4	Whisper	130	1.89	2.21	11.0	2.50	3.42	11.1	3.94	45.1	3.16	40.1	3.55	42.6	1.70	0.19	25
	Low	170	2.45	2.86	11.1	3.26	4.44	11.1	4.59	42.3	3.29	36.0	4.62	42.5	1.70	0.20	27
	Low-med	220	3.12	3.60	11.3	4.07	5.47	11.7	5.41	40.3	4.25	36.0	5.77	41.7	1.70	0.24	30
	Med	280	3.87	4.40	11.6	4.99	6.60	12.3	6.32	38.7	4.78	34.1	7.06	40.8	1.70	0.28	33
	Med-high	330	4.44	4.97	11.9	5.70	7.47	12.7	6.95	37.4	5.14	32.9	8.07	40.2	1.70	0.31	35
	High	395	5.14	5.69	12.2	6.57	8.47	13.3	7.75	36.2	5.52	31.6	9.30	39.5	1.70	0.34	38
AMB 7-5	Whisper	140	2.17	2.67	10.2	2.78	3.83	10.6	5.04	49.8	3.58	41.1	3.89	43.0	1.70	0.18	25
	Low	225	3.31	3.91	10.8	4.37	5.95	10.9	6.04	42.2	4.73	37.4	6.08	42.3	1.70	0.23	30
	Low-med	290	4.20	4.91	11.0	5.49	7.31	11.4	7.12	40.3	5.39	35.4	7.57	41.6	1.70	0.27	33
	Med	340	4.86	5.62	11.2	6.27	8.28	11.8	7.92	39.3	5.81	34.1	8.64	41.0	1.70	0.31	35
	Med-high	390	5.45	6.22	11.4	7.01	9.19	12.1	8.56	38.1	6.18	33.1	9.67	40.5	1.70	0.35	37
	High	460	6.24	7.03	11.8	7.98	10.33	12.7	9.45	37.0	6.61	31.9	11.04	39.8	1.70	0.41	40
AMB 8-5	Whisper	150	2.21	2.62	10.8	2.96	4.07	10.7	5.07	47.9	3.73	40.6	4.14	42.8	2.80	0.22	25
	Low	250	3.55	4.08	11.3	4.81	6.49	11.1	6.46	41.4	5.00	36.5	6.66	42.0	2.80	0.22	30
	Low-med	350	4.83	5.48	11.6	6.42	8.47	11.8	8.06	39.0	5.89	33.9	8.85	40.9	2.80	0.28	33
	Med	420	5.62	6.28	11.9	7.44	9.70	12.4	8.94	37.6	6.37	32.5	10.27	40.2	2.80	0.33	35
	Med-high	470	6.17	6.85	12.1	8.11	10.48	12.7	9.57	36.8	6.66	31.7	11.23	39.7	2.80	0.38	37
	High	550	7.00	7.71	12.5	9.11	11.58	13.3	10.52	35.8	7.07	30.6	12.68	39.1	2.80	0.47	40
AMB 9-5	Whisper	250	3.55	4.08	11.3	4.81	6.49	11.1	6.46	41.4	5.00	36.5	6.66	42.0	3.50	0.22	25
	Low	300	4.21	4.81	11.4	5.65	7.51	11.4	7.29	40.1	5.21	34.4	7.79	41.5	3.50	0.28	27
	Low-med	350	4.83	5.48	11.6	6.42	8.47	11.8	8.06	39.0	5.89	33.9	8.85	40.9	3.50	0.33	30
	Med	420	5.62	6.28	11.9	7.44	9.70	12.4	8.94	37.6	6.37	32.5	10.27	40.2	3.50	0.38	33
	Med-high	470	6.17	6.85	12.1	8.11	10.48	12.7	9.57	36.8	6.66	31.7	11.23	39.7	3.50	0.40	35
	High	550	7.00	7.71	12.5	9.11	11.58	13.3	10.52	35.8	7.07	30.6	12.68	39.1	3.50	0.47	37

Standard Unit Dimensions



'Note: Flow into coil Depicted on a LH- Unit.
All Coil Connections 15mm Plain Copper

Unit Model	Dim 'A' Overall Width	Dim 'B' Unit Width	Dim 'C' Fixing Centres	Maximum No. of Spigots/ Size	Cooling Coil Volume (L)	Heating Coil Volume (L)	DRY Weight (approx Kg)	WET weight (approx Kg)
AMB 1 - 1	860	630	595	4 (200/150)	1.2	0.25	40	41.5
AMB 2 - 2	1110	880	845	4 (200/150)	1.7	0.35	50	52
AMB 3 - 2	1110	880	845	4 (200/150)	1.7	0.35	52	54
AMB 3 - 3	1460	1230	1195	5 (200/150)	2.4	0.5	60	63
AMB 4 - 3	1460	1230	1195	5 (200/150)	2.4	0.5	65	68
AMB 5 - 4	1660	1430	1395	5 (200/150)	2.8	0.6	75	78.5
AMB 6 - 4	1660	1430	1395	5 (200/150)	2.8	0.6	80	83.5
AMB 7 - 5	2010	1780	1745	5 (200/150)	3.5	0.7	90	94
AMB 8 - 5	2010	1780	1745	6 (200/150)	3.5	0.7	95	99
AMB 9 - 5	2010	1780	1745	6 (200/150)	3.5	0.7	100	104

* All dimensions quoted in mm

