

EC Mini AHU Range

- Built-In speed control Knob or 0 – 10v dc control input
- Efficient EC motor (D1-D4, 230v 1ph 50 Hz) (D5, D6 400v 3ph 50Hz)
- Anodised pentapost frame with lightweight Aluzinc double skin panels
- Internal or external mounting possible
- Single side-access design, (invert for LH or RH)
- Duties from 500 to 6500 m³/hr against 250-400Pa external pressure
- Long life M5 bag filters with Diff. pressure switch. (Optional F7 bag at extra cost)
- Hot water heater battery (cu/al) optimised for modern water temps
- Electric heaters include pulse control, local or remote 0 – 10v dc input
- Flexible connections fitted as std. with 30mm mezz flanges
- Optional shut off damper with open/close motor fitted
- Optional inlet weather louvre
- Optional channel base (100mm)

Dimensions:

	O/A Height	O/A Width	O/A Length	Kg	Bag Filter
D1-22	360mm	660mm	1560mm+150 flex	65	600x300 (A)
D3-31	520mm	660mm	1560mm + 150 flex	90	600 x 400
D4-31	720mm	660mm	1560mm + 150 flex	120	600 x 600 (C)
D5-35	720mm	960mm	1710mm + 150 flex	170	A + C
D6-45	720mm	1250mm	1710mm + 150 flex	220	C+C
Silencers 900 + 1200 Long with 30mm flanges					

Maximum Performance:

Maximum Performance	RPM	M ³ /hr	Input W	Heater kW	Electric Heater Phase/A
D1-22	3220	1000	230	8	1/34
D3-31	2600	2000	451	12	3/17
D4-31	2600	2350	430	18	3/25
D5-35	2460	4000	1090	27	3/38
D6-45	2080	6500	2360	45	3/63

Sound Data:

dBW re 10-12W		63	125	250	500	1k	2k	4k	8k	dB(A)@3m
D1-22	In	64	59	69	62	59	54	52	48	
D1-22	Out	66	61	73	65	65	63	57	55	
D1-22	Breakout	58	53	57	35	35	30	24	24	35
D3-31	In	62	65	70	69	60	63	59	56	
D3-31	Out	65	68	73	72	69	66	62	59	
D3-31	Breakout	57	60	57	42	39	33	29	26	40
D4-31	In	62	65	70	69	60	63	59	56	
D4-31	Out	65	68	73	72	69	66	62	59	
D4-31	Breakout	57	60	57	42	39	33	29	26	40
D5-35	In	73	75	77	79	74	68	67	61	
D5-35	Out	73	76	81	82	83	79	73	66	
D5-35	Breakout	67	70	65	52	53	46	40	35	50
D6-45	In	77	80	82	82	77	76	73	66	
D6-45	Out	73	76	81	82	83	79	73	66	
D6-45	Breakout	67	70	65	50	53	46	40	35	50

Performance:

Performance with 10v DC Input		50Pa	100Pa	150Pa	200Pa	250Pa	300Pa	350Pa	400Pa
D1-22	m ³ /hr	1160	1140	1080	1030	960	920	850	780
	l/s	322	317	300	286	266	255	236	216
	Input W	127	137	147	169	175	182	187	193
D3-31	m ³ /hr	2330	2300	2230	2150	2090	2000	1900	1800
	l/s	647	639	619	597	580	555	528	500
	Input W	430	433	439	447	449	451	452	453
D4-31	m ³ /hr	2740	2650	2560	2450	2350	2270	2120	1890
	l/s	760	736	711	680	653	630	589	525
	Input W	406	419	420	422	428	438	440	449
D5-35	m ³ /hr	4800	4660	4550	4470	4380	4260	4070	4000
	l/s	1333	1264	1264	1242	1216	1183	1130	1111
	Input W	1056	1093	1110	1127	1136	1133	1101	1092
D6-45	m ³ /hr	8000	7900	7750	7600	7400	7250	7100	6900
	l/s	2222	2194	2152	2111	2050	2014	1972	1916
	Input W	2083	2121	2135	2225	2260	2287	2346	2400

N.B Significant reductions in specific fan power can be obtained with lower fan speed.