



AUSTRALIAN MADE

AIR TRANSFER
SOLUTIONS



PRODUCT GUIDE



LOCALLY MADE
by COLAIR

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About Colair

COLAIR IS COMMITTED TO
PROVIDING COMFORT AND
ASSURANCE WITH A CERTIFIED
AND QUALITY SOLUTION FOR
YOUR NEXT PROJECT OR DESIGN.

QUALITY AIR MOVEMENT

Colair is an innovative, Melbourne based, company providing air transfer solutions to the commercial and industrial sectors. Established in 1998, Colair has grown to become a market leader and a trusted name in the industry.

Providing flexibility and offering bespoke (non-standard) units, our experienced team take the time and care to ensure that we deliver high quality, purpose built manufactured equipment.

We invest in research and development for continuous product improvement and are equipped with the latest methods both in engineering design and manufacturing to meet our customers' requirements. for continuous product improvement and are equipped with the latest methods both in engineering design and manufacturing to meet our customers' requirements. both in engineering design and manufacturing to meet our customers' requirements.

FAN COIL UNITS

The Colair series of Fan Coil Units distribute conditioned air to specific building areas in combination with chilled, heating water, and/or DX coil systems.



Colair Fan Coil Units are fully customisable, designed and built for Australian, New Zealand, and Asia Pacific conditions. Manufactured locally in our Melbourne factory in accordance with EN 1886:2007 and built to comply with Australian standards AS/NZS 3666. Constructed out of Polystyrene (EPS) or Polyisocyanurate (PIR) in 25mm or 50mm insulation, with sandwich panel or galvanised steel options available. Units are available with direct drive AC or EC plug fan options.

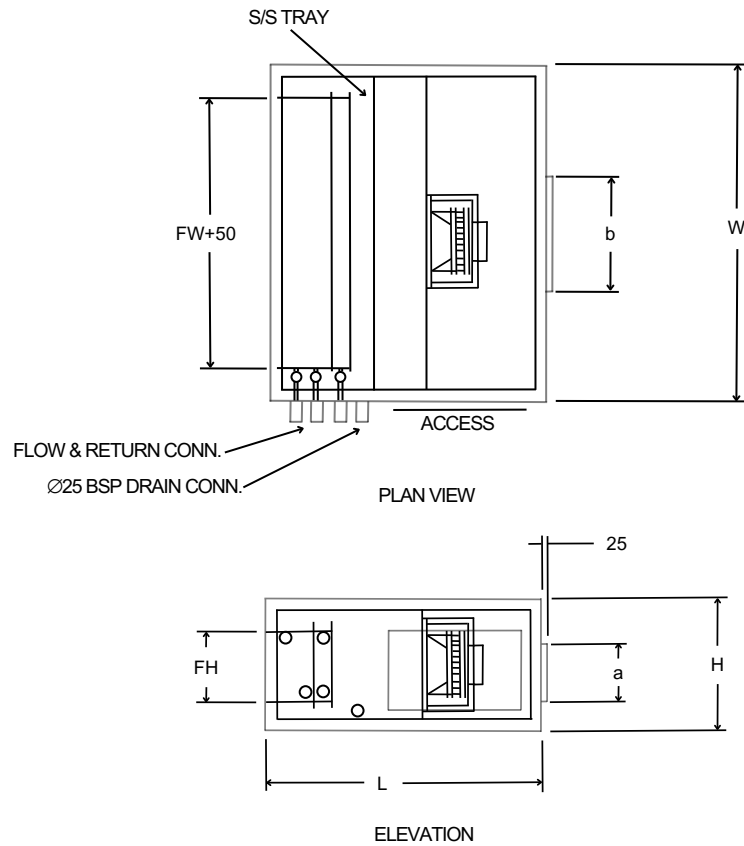
Colair units are suitable for a wide range of commercial and industrial applications. In applications where noise mitigation is crucial, Colair manufactures a range of Fan Coil Units known as the Q series, capable of handling air flow volumes up to 1500L/s.

Hospital and health facilities, shopping centres, hotels and apartments, office buildings, schools and universities are all benefitting from working with Colair Fan Coil Units for air side solutions.

**Manufactured
locally in our
Melbourne
factory.**

HORIZONTAL FAN COIL UNITS

ASHD SERIES (DIRECT DRIVE)



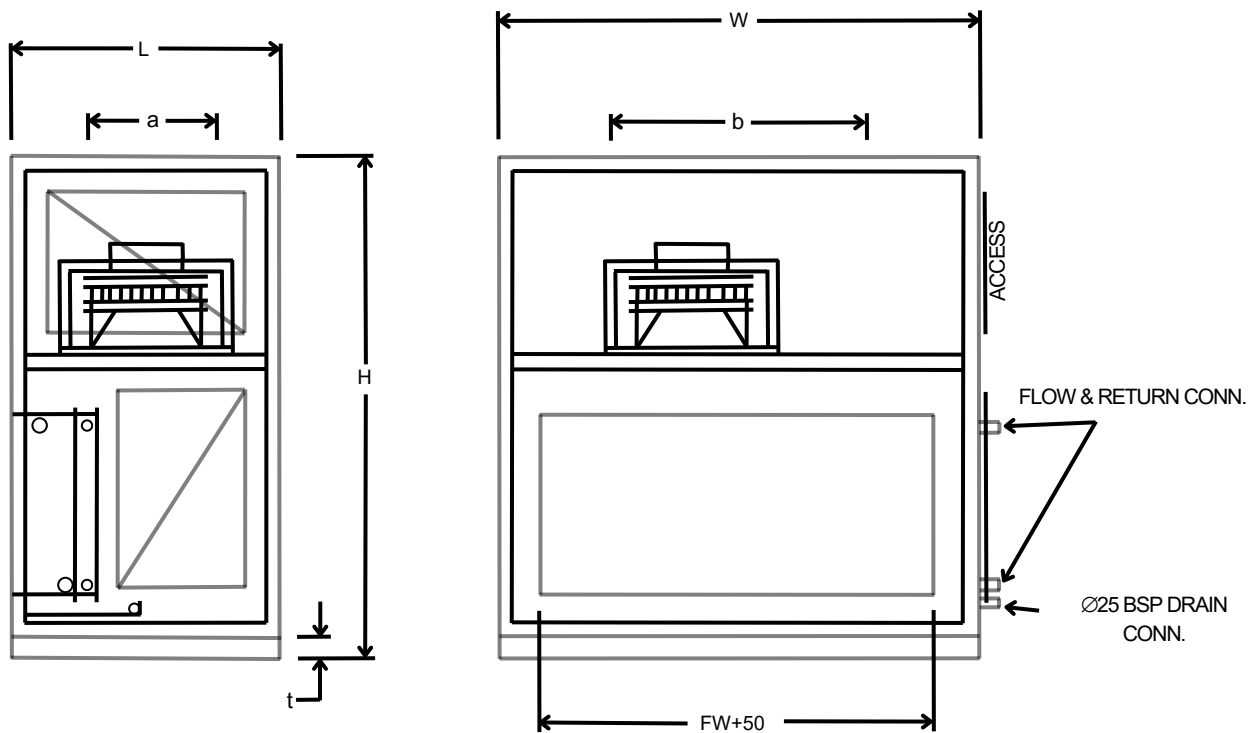
DATASHEET

MODEL	L/s	W	H		L	FW		FH (MAX)	a	b	kW	WEIGHT (KG)
			t=25	t=50		t=25	t=50					
ASHD 200	150	765	325	375	1200	525	475	191	125	250	0.75	90
ASHD 300	300	765	510	560	1200	525	475	381	200	400	0.75	120
ASHD 500	500	825	510	560	1200	575	525	381	250	500	0.75	130
ASHD 700	700	1040	510	560	1200	750	700	381	275	550	2x0.75	150
ASHD 1000	1000	1365	510	560	1200	1075	1025	381	325	650	2x0.75	180
ASHD 1300	1300	1670	510	560	1200	1325	1325	381	375	750	2x0.75	225
ASHD 1500	1500	1890	510	560	1200	1600	1550	381	400	800	3x0.75	250
ASHD 2000	1700	1890	640	690	1200	1600	1550	508	450	900	3x0.75	275

- NOTES**
1. All dimensions are in millimetres (mm) unless otherwise stated
 2. This is not a certified drawing
 3. Left hand coil connections shown
 4. Dimensions shown are a guide only, refer Colair for accurate dimensions

VERTICAL FAN COIL UNITS

ASVD SERIES (DIRECT DRIVE)



SIDE ELEVATION

FRONT ELEVATION

DATASHEET

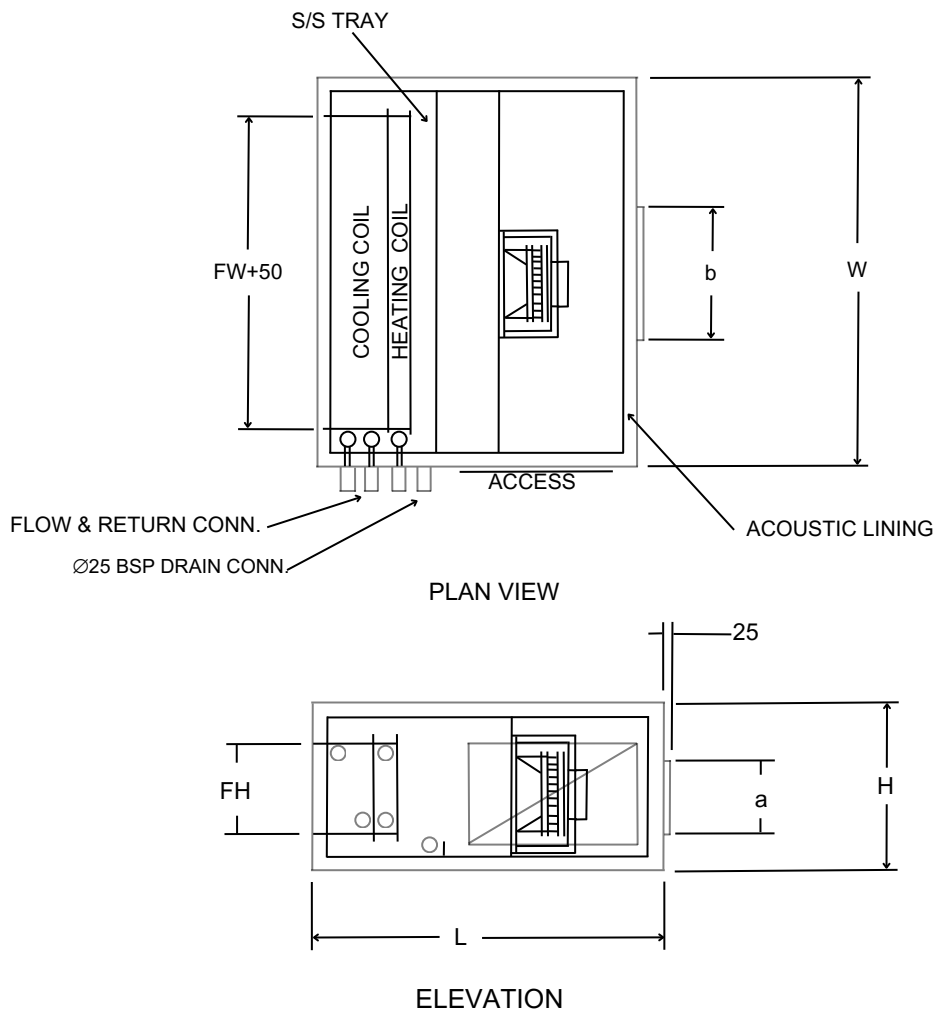
MODEL	L/s	W	H		L	FW		FH (MAX)	a	b	kW	WEIGHT (KG)
			t=25	t=50		t=25	t=50					
ASVD 300	300	765	1175	1225	600	525	475	381	200	400	0.75	120
ASVD 500	500	825	1175	1225	600	575	525	381	250	500	0.75	125
ASVD 700	700	1040	1175	1225	600	750	700	381	275	550	2x0.75	150
ASVD 1000	1000	1365	1175	1225	600	1075	1025	381	325	650	2x0.75	185
ASVD 1300	1300	1670	1175	1225	600	1375	1325	381	375	750	2x0.75	225
ASVD 1500	1500	1890	1175	1225	600	1600	1550	381	400	800	3x0.75	250
ASVD 2000	1700	1890	1300	1350	600	1600	1550	508	450	900	3x0.75	285

NOTES

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HORIZONTAL FAN COIL UNITS

ASHD Q (QUIET) SERIES (DIRECT DRIVE)



DATASHEET

MODEL	L/s	W	H	L	FW	FH (MAX)	a	b	kW	WEIGHT (KG)
ASHD 200Q	150	765	380	1200	475	191	125	250	0.75	100
ASHD 300Q	300	765	570	1200	475	381	200	400	0.75	150
ASHD 500Q	500	825	570	1200	525	381	250	500	0.75	170
ASHD 700Q	700	1040	570	1200	700	381	275	550	2x0.75	200
ASHD 1000Q	1000	1365	570	1200	1025	381	325	650	2x0.75	250
ASHD 1300Q	1300	1670	570	1200	1325	381	375	750	2x0.75	275
ASHD 1500Q	1500	1890	570	1200	1550	381	400	800	3x0.75	325
ASHD 2000Q	1700	1890	700	1200	1550	508	450	900	3x0.75	375

NOTES

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AIR HANDLING UNITS

Built in-house at our Melbourne facility, the Colair series of Air Handling Units distribute conditioned air to specific building areas, in combination with chilled, heating water, and / or DX coil systems.



Colair Air Handling Units are fully customisable, designed and built for Australian, New Zealand, and Asia Pacific conditions. Manufactured locally in our Melbourne factory in accordance with EN 1886:2007 and built to comply with Australian standards AS/NZS 3666. Colair units are constructed out of Polystyrene (EPS) or Polyisocyanurate (PIR) with AC and EC plug fan options.

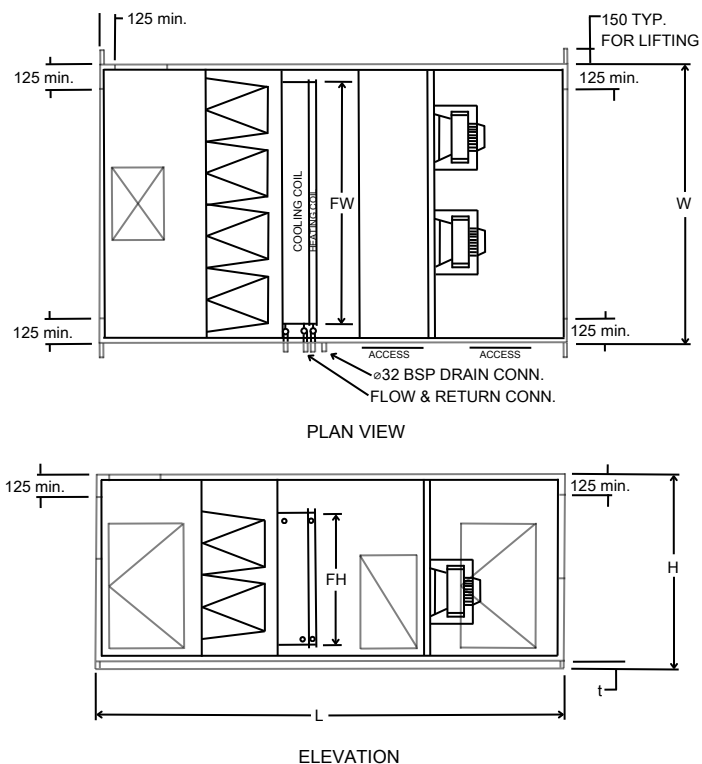
Colair Air Handling Units are available in a horizontal or vertical configuration for plant room, rooftop, or weatherproof applications. Our units are suitable for a wide range of commercial and industrial applications with capacities from 150 – 50,000 l/second. Access panels can be sized to suit the individual requirements of the project with hinged doors opening outward for negative pressure applications and inward opening doors for positive pressure applications.

Hospital and health facilities, shopping centres, hotels and apartments, office buildings, schools and universities are all benefitting from working with Colair Air Handling Units for air side solutions.

**Manufactured
locally in our
Melbourne
factory.**

HORIZONTAL AIR HANDLING UNITS

ASH SERIES WITH EC PLUG FAN



DATASHEET

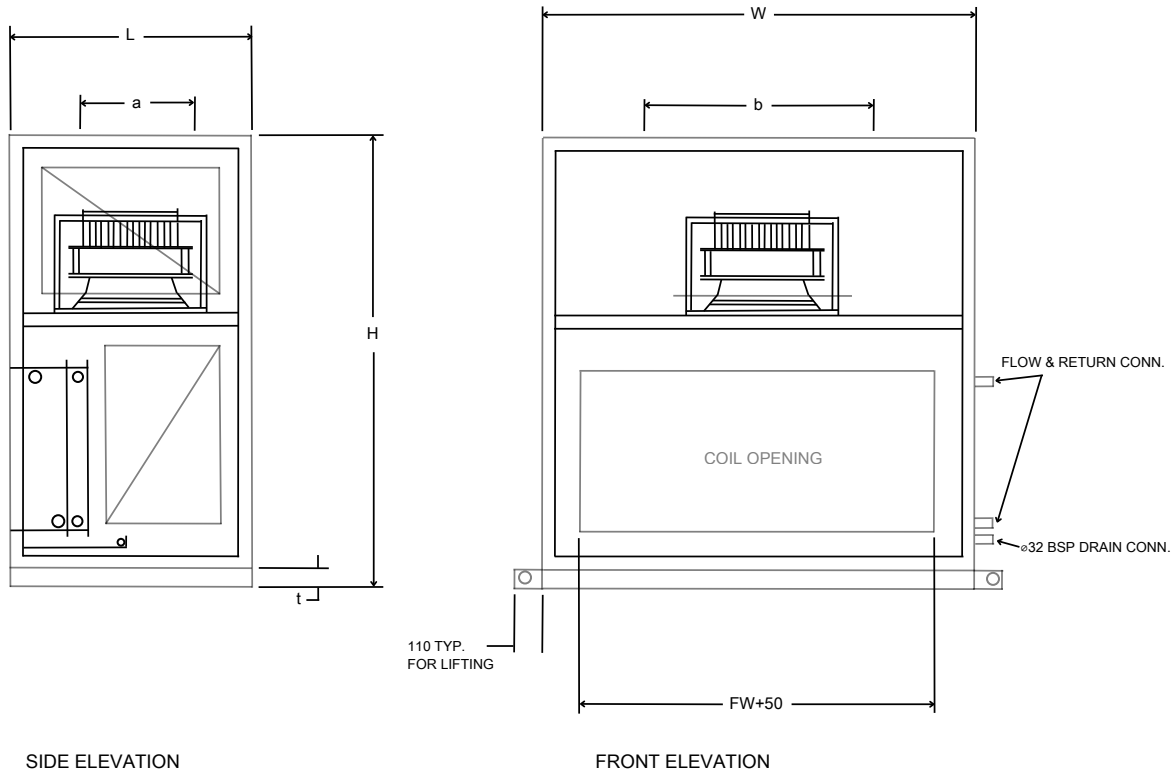
MODEL	L/s	W	H	L	FW	FH (MAX)	t	No. of filters	FILTER SIZE	WEIGHT (KG)
ASH-EC 700FM	720	1470	775	3600	1125	381	75	01	610x305x600	500
ASH-EC 1500FM	1440	1470	1375	3800	1125	889	75	02	610x610x600	700
ASH-EC 2000FM	2160	2080	1375	4000	1725	889	75	03	610x610x600	900
ASH-EC 3500FM	4320	2080	1575	4200	1725	1207	75	06	610x610x600	1175
ASH-EC 5500FM	5760	2690	1875	4200	2325	2x699	75	08	610x610x600	1525
ASH-EC 8000FM	8640	2690	2400	4200	2325	2x889	100	12	610x610x600	1975
ASH-EC 10000FM	10800	3300	2400	4800	2925	2x889	100	15	610x610x600	2575
ASH-EC 125000FM	1440	3300	3025	4800	2925	2x1207	125	20	610x610x600	3300
ASH-EC 15000FM	17280	3910	3050	4800	3525	2x1207	150	24	610x610x600	4150
ASH-EC 20000FM	22500	3910	3650	4800	3525	3x953	150	30	610x610x600	4400
ASH-EC 25000FM	27500	4520	3650	4800	4100	3x953	150	35	610x610x600	4900
ASH-EC 30000FM	23500	5740	3650	4800	2500	6x953	150	45	610x610x600	5500
ASH-EC 35000FM	37500	6350	3650	4800	2800	6x653	150	50	610x610x600	6300
ASH-EC 50000FM	52500	8790	3650	4800	5240	6x653	150	70	610x610x600	7200

NOTES

1. All dimensions are in millimetres and are based on 50mm insulation
2. This is not a certified drawing
3. Right hand coil connections shown
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VERTICAL AIR HANDLING UNITS

ASV SERIES



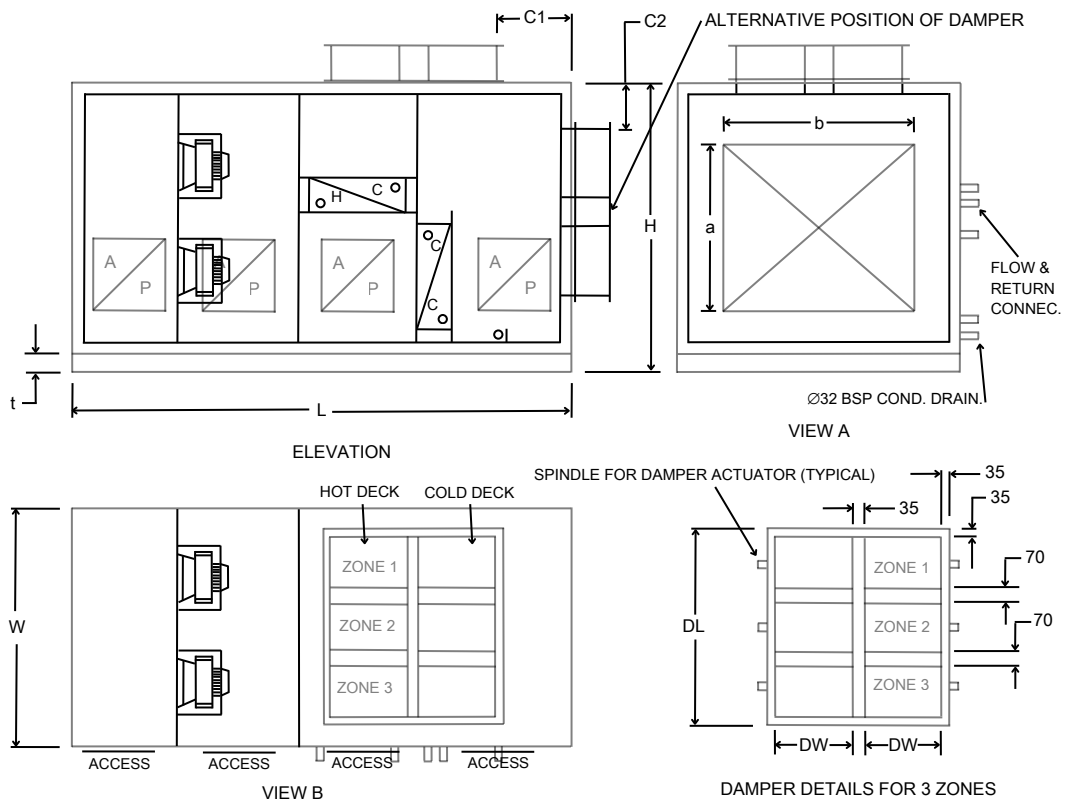
DATASHEET

MODEL	L/s	W	H	L	FW	FH (MAX)	a	b	t	kW	WEIGHT (KG)
ASV 1000	1000	1100	1475	950	750	571.5	289	331	75	2.2	400
ASV 1500	1500	1470	1725	1100	1125	698.5	404	471	75	2.2	500
ASV 2000	2000	2080	1925	1200	1725	825.5	478	557	75	4	700
ASV 3500	3500	2080	2325	1325	1725	1016	638	638	75	5.5	875
ASV 5500	5500	2690	2825	1575	2325	1270	801	801	75	7.5	1325
ASV 8000	8000	2690	3425	1700	2325	1700	898	898	100	15	2000
ASV 10000	10000	3300	3650	1825	2925	1700	1007	1007	100	18.5	2525

- NOTES**
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MULTI-ZONE AIR HANDLING UNITS

ASMZ SERIES



DATASHEET

MODEL	L/s	W	H	L	DW	DL	a	b	t	C1	C2	kW	WEIGHT (KG)
ASMZ 1000	1000	1100	1200	2400	295	950	570	750	75	265	125	2.2	475
ASMZ 1500	1500	1470	1390	2400	360	1250	700	1050	75	265	125	2.2	675
ASMZ 2000	2000	2080	1575	2800	360	1550	825	1350	75	265	125	4	900
ASMZ 3500	3500	2080	1860	3000	515	1780	1020	1575	75	265	125	5.5	1025
ASMZ 5500	5500	2690	2240	3400	640	2390	1270	2175	75	270	125	7.5	1600
ASMZ 8000	8000	2690	2860	3800	830	2390	1700	2175	100	290	125	15	2400
ASMZ 10000	10000	3300	2860	4000	810	3000	1700	2725	100	310	125	18.5	2850
ASMZ 12500	12500	3300	3000	4600	940	3610	1730	3325	100	200	125	30	3300
ASMZ 15000	15000	3910	3800	5000	1125	3610	2340	3325	100	320	125	37	4200

NOTES

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STROBIC PLENUMS

Built in-house at our Melbourne facility, the Colair series of Strobic Plenums provide adequate evenly distributed airflow throughout a building.

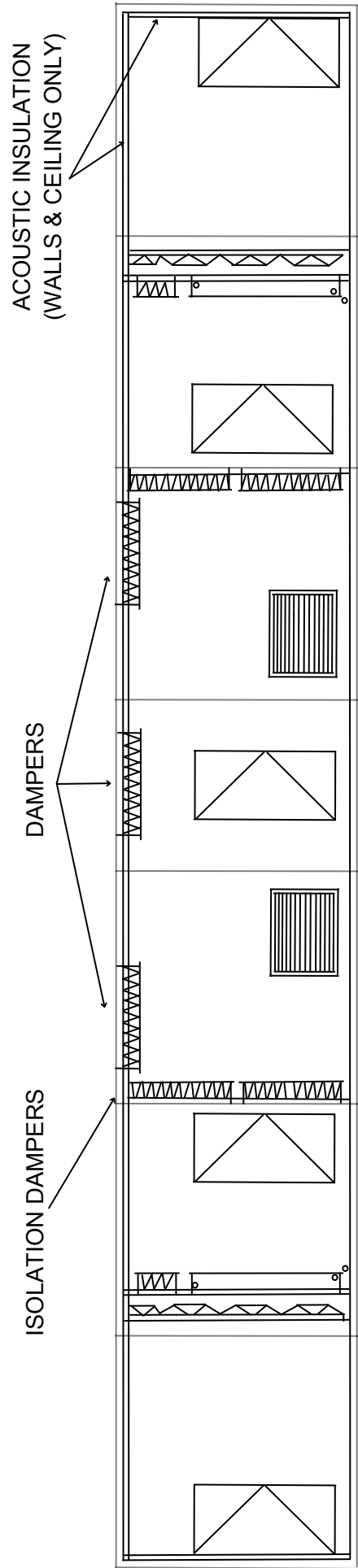


Colair is the only manufacturer of Strobic Plenums in Australia. Strobic Plenum is a specialized type of exhaust system typically used in laboratories, cleanrooms, or other facilities where controlling airflow is crucial. It's designed to efficiently remove airborne contaminants and maintain a safe environment.

Providing a fully customisable solution, Colair Strobic Plenums are typically constructed from durable materials such as stainless steel or epoxy coated double skin panels to withstand the corrosive effects of exhaust gases and ensure long-term reliability. Insulation thickness is available from 50mm – 100mm out of materials Polyisocyanurate (PIR). Heat recovery coils will be Bly gold coated to provide superior corrosion protection. To prevent air leakage and ensure proper containment of contaminants, strobic exhaust systems are equipped with seals and gaskets at joints and connections throughout the system.

**Manufactured
locally in our
Melbourne
factory.**

EXAMPLE DRAWING OF A COLAIR STROBIC PLENUM



RECENT PROJECTS



Werribee Police



Holiday Inn



Kangan Tafe



Queen and Collins



Melbourne Uni
Student Precinct



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