



## ABM 600 S Active Chilled Beam

### Introduction

The ABM 600 S is a 1200 mm long 2 way Active Chilled Beam that is an addition to the well known ABM 600 range. It has been specifically designed for use as a tile replacement module in the conventional 2 way mode of operation. It comprises a single coil which utilises the maximum available space to provide high cooling performance throughout the operating range.

### Dimensions

595 mm x 1195 mm actual

### Application

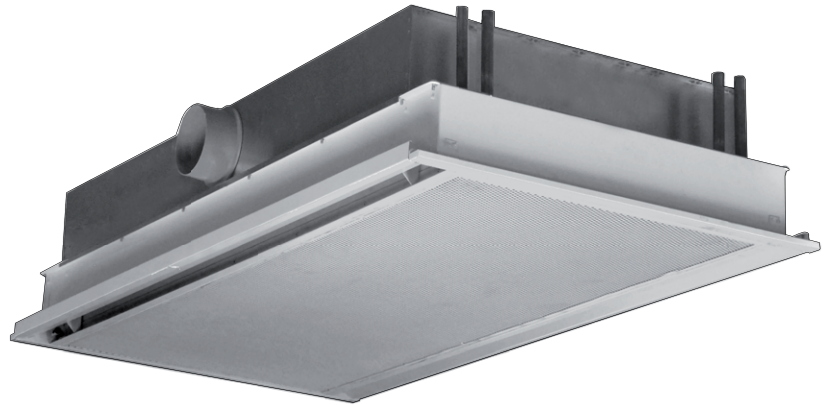
Cooling and heating of spaces. Easy installation in many standard ceiling systems.

### Finishes

Front Plate: PPM 9010 as standard, other colours available on request.

Plenum Box: Zintec

Heat Exchanger: Copper / Aluminium.



### Features

- High heating and cooling capacity.
- Low weight
- Mixing supplied air with room air (induction).
- Heat exchanger easily accessible through an optional opening front plate.

### Options

- Hinged Front Plate for Additional Access
- Thermally Lined Plenum Box
- Low Profile Plenum Chamber
- Choice of Duct Connection Sizes
- Luminaires, Sprinkler Apertures and P.A.
- Integration
- Wide range of Finishes
- Many Facia Styles (linear or perforated)
- Left or Right Hand Water Connections
- Vertical or Horizontal Water Connections
- Side or End Entry Plenum Chambers

### Order Example

ABM 600 S-1195-B-L/PPM9010

Type \_\_\_\_\_  
Length of Unit \_\_\_\_\_  
Nozzle Type \_\_\_\_\_  
Water Connection Left or Right Hand Side \_\_\_\_\_  
Finish \_\_\_\_\_



## ABM 600 S Unit Selection Data

### 980mm Heat Exchanger - 2 way blow

AIRSIDE DATA								WATERSIDE DATA								
Supply Air Quantity Primary		Static Pressure Loss	Cooling Throw	Heating Throw	Sound Level L <sub>w</sub> A (Sound power - 8dB)	Air Cooling capacity Room to Air ΔT		Water Quantity			Cooling at Various Room to mean Water ΔT			Heating at Various Room to mean Water ΔT		
						ΔT=8	ΔT=10	l/h	l/s	Pressure Loss	ΔT=8,5	ΔT=9,5	ΔT=11	Pressure Loss	ΔT=20	ΔT=30
l/s	m <sup>3</sup> /h	Pa	m	dB(A)	Watts		l/h	l/s	kPa	Watts			kPa	Watts		
<b>Nozzle A - 15</b>																
6.9	25	80	0.3	0.3	20	66	83	100	0.028	0.9	394	432	485	2.6	575	861
								150	0.042	3.2	396	437	500	8.6	653	980
								200	0.056	6.5	403	444	505	17.6	714	1069
8.3	30	106	0.6	0.7	20	80	100	100	0.028	0.9	443	489	552	2.6	639	958
								150	0.042	3.2	453	502	580	8.6	728	1091
								200	0.056	6.5	468	519	595	17.6	796	1196
9.7	35	150	0.9	1.1	21	93	116	100	0.028	0.9	490	546	630	2.6	694	1043
								150	0.042	3.2	511	570	657	8.6	793	1188
								200	0.056	6.5	533	594	685	17.6	1068	1305
<b>Nozzle B - 15</b>																
9.7	35	47	0.9	1.1	20	107	133	100	0.028	0.9	398	464	548	2.6	657	985
								150	0.042	3.2	413	482	570	8.6	748	1121
								200	0.056	6.5	432	498	582	17.6	820	1229
12.5	45	77	1.1	1.3	21	133	167	100	0.028	0.9	448	508	600	2.6	732	1098
								150	0.042	3.2	463	521	608	8.6	835	1253
								200	0.056	6.5	479	535	619	17.6	919	1376
15.3	55	116	1.4	1.7	24	160	200	100	0.028	0.9	553	616	711	2.6	803	1203
								150	0.042	3.2	564	650	753	8.6	919	1377
								200	0.056	6.5	592	682	784	17.6	1010	1515
<b>Nozzle C - 15</b>																
15.3	55	45	1.1	1.3	22	160	200	100	0.028	0.9	478	563	702	2.6	754	1132
								150	0.042	3.2	493	580	722	8.6	861	1293
								200	0.056	6.5	505	596	748	17.6	947	1421
18.1	65	66	1.3	1.6	24	186	233	100	0.028	0.9	525	619	769	2.6	804	1208
								150	0.042	3.2	551	660	812	8.6	922	1383
								200	0.056	6.5	580	711	868	17.6	1014	1521
20.8	75	89	1.6	1.8	28	213	266	100	0.028	0.9	623	702	821	2.6	854	1280
								150	0.042	3.2	665	754	856	8.6	979	1467
								200	0.056	6.5	696	785	921	17.6	1078	1617
23.6	85	112	1.8	2.1	30	240	300	100	0.028	0.9	736	821	916	2.6	899	1348
								150	0.042	3.2	784	866	955	8.6	1032	1547
								200	0.056	6.5	816	915	1014	17.6	1139	1706