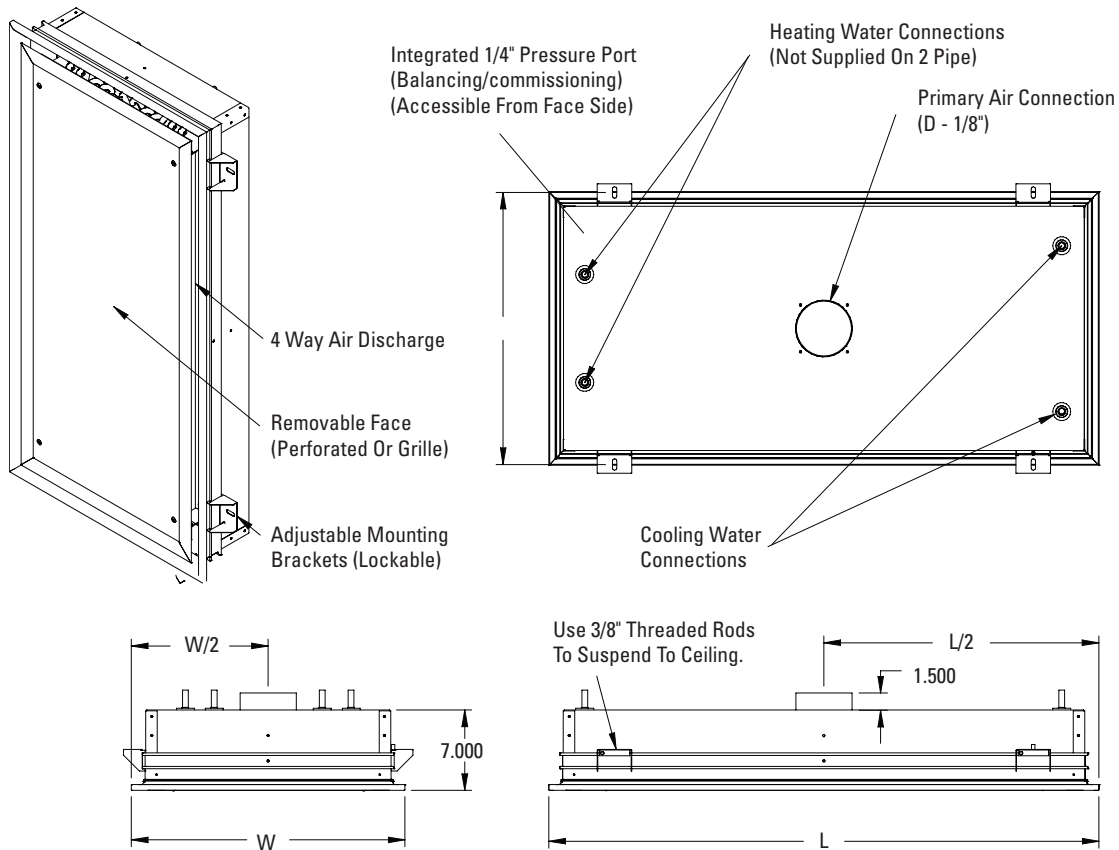


Dimensional Data

ACBM



Dimensional Data - Imperial (inches) Metric (mm)

	Imperial		Metric	
	Nominal Size	Actual Size (W)	Nominal Size	Actual Size (W)
Width	24	23.750 (603)	600	23.386 (594)
Length	Nominal Size	Actual Size (L)	Nominal Size	Actual Size (L)
	24	23.750 (603)	600	23.386 (594)
Length	48	47.750 (1213)	1200	47.008 (1194)

Performance Data

ACBM (2 Pipe) Cooling

Unit Length ft	Inlet Size	Nozzle Size	Airflow CFM Total (Primary)	Plenum Static Pressure in.	Sound NC	Capacity - 2 Pipe				Induction Ratio	Throw 150-100-50 fpm ft	
						Cooling			Head Loss ft H ₂ O		A	B
						Coil Btu/h	Transfer Efficiency Btu/h cfm	Total Btu/h				
2x2 ft	5		8	0.20	--	568	71	724	2.0	3.7	0-0-2	
	5	0.125	14	0.50	--	890	65	1158		3.7	1-1-5	
	5	(20)	18	0.80	--	1113	62	1464		3.7	1-2-6	
	5		13	0.20	--	732	56	985		3.2	0-1-3	
	5	0.160	22	0.50	--	1087	50	1507		3.2	1-2-6	
	5	(30)	28	0.80	19	1328	48	1872		3.2	2-4-8	
	5		20	0.20	--	894	45	1276		2.8	1-2-5	
	5	0.188	32	0.50	19	1242	39	1860		2.8	2-4-8	
	5	(40)	41	0.80	26	1464	36	2255		2.8	3-5-10	
	5		31	0.20	--	1018	33	1617		1.8	1-2-6	
	5	0.250	51	0.50	24	1413	28	2412		1.8	3-5-10	
	5	(50)	67	0.80	31	1667	25	2966		1.8	4-7-11	
	5		48	0.20	19	1137	24	2072		1.5	2-4-8	
	5	0.300	78	0.50	32	1568	20	3082		1.5	5-7-11	
	8	(60)	100	0.80	35	1841	18	3780		1.5	6-9-13	
	5		74	0.20	29	1323	18	2763		1.2	3-6-10	
6	0.350	114	0.50	37	1772	15	3999	1.2	6-9-13			
8	(70)	143	0.80	41	2050	14	4837	1.2	7-10-14			
2x4 ft	5		14	0.20	--	1133	80	1408	3.1	4.2	0-0-2	0-1-3
	5	0.125	23	0.50	--	1713	74	2167		4.2	0-1-4	1-2-8
	5	(20)	30	0.80	15	2112	70	2699		4.2	1-2-6	2-4-10
	5		23	0.20	--	1378	60	1822		3.3	0-1-3	1-1-6
	5	0.160	38	0.50	--	2002	53	2733		3.3	1-2-6	2-4-11
	5	(30)	48	0.80	21	2411	50	3355		3.3	1-3-8	3-7-13
	5		34	0.20	--	1657	49	2311		2.8	1-1-5	1-2-8
	5	0.188	54	0.50	20	2271	42	3324		2.8	1-3-8	3-6-13
	5	(40)	69	0.80	27	2653	38	3998		2.8	2-5-10	5-9-15
	5		59	0.20	16	2003	34	3159		2.3	1-3-7	3-6-13
	5	0.250	96	0.50	29	2673	28	4543		2.3	3-6-11	7-11-16
	5	(50)	123	0.80	35	3084	25	5478		2.3	5-7-12	9-13-19
	5		84	0.20	28	1924	23	3559		1.2	1-3-7	2-5-12
	8	0.300	139	0.50	33	2722	20	5431		1.2	3-6-11	6-10-16
	8	(60)	179	0.80	40	3214	18	6701		1.2	5-7-12	9-13-18
	5		121	0.20	34	2275	19	4629		1.3	3-5-10	5-9-15
8	0.350	190	0.50	37	3061	16	6760	1.3	5-8-13	10-14-19		
8	(70)	239	0.80	43	3537	15	8199	1.3	7-10-14	12-15-22		

Performance Notes:

- Operating Conditions are:
 - 75°F db, 50% relative humidity room design temperature.
 - 57°F db, 90% relative humidity primary air temperature.
 - 57°F entering chilled water temperature for cooling.
 - 120°F entering hot water temperature for heating.
 - 1 gpm water flow rate.
- Primary Air Capacity in BTU/hr is based on 18°F temperature difference between the primary air and the Room air.
- Blanks (--) indicate a sound level less than 15 NC.
- Sound data NC values are based on a room absorption of -10db, re 10⁻¹² watts.
- Throw data for 150, 100 and 50 fpm is based on isothermal conditions.
- Active beam capacity is tested in accordance with EN standard 15116.
- Active beam throw and noise criterion in accordance with Ashrae Standard 70.

Performance Data

ACBM (2 Pipe) Heating

Unit Length ft	Inlet Size	Nozzle Size	Airflow CFM Total (Primary)	Plenum Static Pressure in.	Sound NC	Capacity - 2 Pipe Heating				Induction Ratio	Throw 150-100-50 fpm ft	
						Coil Btu/h	Transfer Efficiency Btu/h cfm	Total Btu/h	Head Loss ft H ₂ O		A	B
2x2 ft	5		8	0.20	--	1624	203	1624	2.0	3.7	0-0-2	
	5	0.125	14	0.50	--	2541	185	2541		3.7	1-1-5	
	5	(20)	18	0.80	--	3175	176	3175		3.7	1-2-6	
	5		13	0.20	--	2000	154	2000		3.2	0-1-3	
	5	0.160	22	0.50	--	2970	138	2970		3.2	1-2-6	
	5	(30)	28	0.80	19	3627	130	3627		3.2	2-4-8	
	5		20	0.20	--	2430	124	2430		2.8	1-2-5	
	5	0.188	32	0.50	19	3376	106	3376		2.8	2-4-8	
	5	(40)	41	0.80	26	3979	98	3979		2.8	3-5-10	
	5		31	0.20	--	2761	90	2761		1.8	1-2-6	
	5	0.250	51	0.50	24	3830	75	3830		1.8	3-5-10	
	5	(50)	67	0.80	31	4517	68	4517		1.8	4-7-11	
	5		48	0.20	19	3100	65	3100		1.5	2-4-8	
	5	0.300	78	0.50	32	4274	55	4274		1.5	5-7-11	
	8	(60)	100	0.80	35	5018	50	5018		1.5	6-9-13	
	5		74	0.20	29	3409	46	3409		1.2	3-6-10	
6	0.350	114	0.50	37	4570	40	4570	1.2	6-9-13			
8	(70)	143	0.80	41	5294	37	5294	1.2	7-10-14			
2x4 ft	5		14	0.20	--	3100	220	3100	3.1	4.2	0-0-2	0-1-3
	5	0.125	23	0.50	--	4684	201	4684		4.2	0-1-4	1-2-8
	5	(20)	30	0.80	15	5772	191	5772		4.2	1-2-6	2-4-10
	5		23	0.20	--	3775	165	3775		3.3	0-1-3	1-1-6
	5	0.160	38	0.50	--	5483	146	5483		3.3	1-2-6	2-4-11
	5	(30)	48	0.80	21	6599	136	6599		3.3	1-3-8	3-7-13
	5		34	0.20	--	4472	133	4472		2.8	1-1-5	1-2-8
	5	0.188	54	0.50	20	6126	113	6126		2.8	1-3-8	3-6-13
	5	(40)	69	0.80	27	7157	104	7157		2.8	2-5-10	5-9-15
	5		59	0.20	16	5373	91	5373		2.3	1-3-7	3-6-13
	5	0.250	96	0.50	29	7172	75	7172		2.3	3-6-11	7-11-16
	5	(50)	123	0.80	35	8276	67	8276		2.3	5-7-12	9-13-19
	5		84	0.20	28	5245	62	5245		1.2	1-3-7	2-5-12
	8	0.300	139	0.50	33	7418	53	7418		1.2	3-6-11	6-10-16
	8	(60)	179	0.80	40	8753	49	8753		1.2	5-7-12	9-13-18
	5		121	0.20	34	5981	49	5981		1.3	3-5-10	5-9-15
8	0.350	190	0.50	37	8058	42	8058	1.3	5-8-13	10-14-19		
8	(70)	239	0.80	43	9320	39	9320	1.3	7-10-14	12-15-22		

Performance Notes:

- Operating Conditions are:
 - 75°F db, 50% relative humidity room design temperature.
 - 57°F db, 90% relative humidity primary air temperature.
 - 57°F entering chilled water temperature for cooling.
 - 120°F entering hot water temperature for heating.
 - 1 gpm water flow rate.
- Primary Air Capacity in BTU/hr is based on 18°F temperature difference between the primary air and the Room air.
- Blanks (--) indicate a sound level less than 15 NC.
- Sound data NC values are based on a room absorption of -10db, re 10⁻¹² watts.
- Throw data for 150, 100 and 50 fpm is based on isothermal conditions.
- Active beam capacity is tested in accordance with EN standard 15116.
- Active beam throw and noise criterion in accordance with Ashrae Standard 70.

Performance Data

ACBM (4 Pipe) Cooling

Unit Length ft	Inlet Size	Nozzle Size	Airflow CFM Total (Primary)	Plenum Static Pressure in.	Sound NC	Capacity - 4 Pipe				Induction Ratio	Throw 150-100-50 fpm ft	
						Cooling			Head Loss ft H ₂ O		A	B
						Coil Btu/h	Transfer Efficiency Btu/h cfm	Total Btu/h				
2x2 ft	5		8	0.20	--	568	71	724	2.0	3.7	0-0-2	
	5	0.125	14	0.50	--	890	65	1158		3.7	1-1-5	
	5	(20)	18	0.80	--	1113	62	1464		3.7	1-2-6	
	5		13	0.20	--	732	56	985		3.2	0-1-3	
	5	0.160	22	0.50	--	1087	50	1507		3.2	1-2-6	
	5	(30)	28	0.80	19	1328	48	1872		3.2	2-4-8	
	5		20	0.20	--	894	45	1276		2.8	1-2-5	
	5	0.188	32	0.50	19	1242	39	1860		2.8	2-4-8	
	5	(40)	41	0.80	26	1464	36	2255		2.8	3-5-10	
	5		31	0.20	--	1018	33	1617		1.8	1-2-6	
	5	0.250	51	0.50	24	1413	28	2412		1.8	3-5-10	
	5	(50)	67	0.80	31	1667	25	2966		1.8	4-7-11	
	5		48	0.20	19	1137	24	2072		1.5	2-4-8	
	5	0.300	78	0.50	32	1568	20	3082		1.5	5-7-11	
	8	(60)	100	0.80	35	1841	18	3780		1.5	6-9-13	
	5		74	0.20	29	1323	18	2763		1.2	3-6-10	
6	0.350	114	0.50	37	1772	15	3999	1.2	6-9-13			
8	(70)	143	0.80	41	2050	14	4837	1.2	7-10-14			
2x4 ft	5		14	0.20	--	1133	80	1408	3.1	4.2	0-0-2	0-1-3
	5	0.125	23	0.50	--	1713	74	2167		4.2	0-1-4	1-2-8
	5	(20)	30	0.80	15	2112	70	2699		4.2	1-2-6	2-4-10
	5		23	0.20	--	1378	60	1822		3.3	0-1-3	1-1-6
	5	0.160	38	0.50	--	2002	53	2733		3.3	1-2-6	2-4-11
	5	(30)	48	0.80	21	2411	50	3355		3.3	1-3-8	3-7-13
	5		34	0.20	--	1657	49	2311		2.8	1-1-5	1-2-8
	5	0.188	54	0.50	20	2271	42	3324		2.8	1-3-8	3-6-13
	5	(40)	69	0.80	27	2653	38	3998		2.8	2-5-10	5-9-15
	5		59	0.20	16	2003	34	3159		2.3	1-3-7	3-6-13
	5	0.250	96	0.50	29	2673	28	4543		2.3	3-6-11	7-11-16
	5	(50)	123	0.80	35	3084	25	5478		2.3	5-7-12	9-13-19
	5		84	0.20	28	1924	23	3559		1.2	1-3-7	2-5-12
	8	0.300	139	0.50	33	2722	20	5431		1.2	3-6-11	6-10-16
	8	(60)	179	0.80	40	3214	18	6701		1.2	5-7-12	9-13-18
	5		121	0.20	34	2275	19	4629		1.3	3-5-10	5-9-15
8	0.350	190	0.50	37	3061	16	6760	1.3	5-8-13	10-14-19		
8	(70)	239	0.80	43	3537	15	8199	1.3	7-10-14	12-15-22		

Performance Notes:

- Operating Conditions are:
 - 75°F db, 50% relative humidity room design temperature.
 - 57°F db, 90% relative humidity primary air temperature.
 - 57°F entering chilled water temperature for cooling.
 - 120°F entering hot water temperature for heating.
 - 1 gpm water flow rate.
- Primary Air Capacity in BTU/hr is based on 18°F temperature difference between the primary air and the Room air.
- Blanks (--) indicate a sound level less than 15 NC.
- Sound data NC values are based on a room absorption of -10db, re 10⁻¹² watts.
- Throw data for 150, 100 and 50 fpm is based on isothermal conditions.
- Active beam capacity is tested in accordance with EN standard 15116.
- Active beam throw and noise criterion in accordance with Ashrae Standard 70.

Performance Data

ACBM (4 Pipe) Heating

Unit Length ft	Inlet Size	Nozzle Size	Airflow CFM Total (Primary)	Plenum Static Pressure in.	Sound NC	Capacity - 4 Pipe Heating				Induction Ratio	Throw 150-100-50 fpm ft	
						Coil Btu/h	Transfer Efficiency Btu/h cfm	Total Btu/h	Head Loss ft H ₂ O		A	B
2x2 ft	5		8	0.20	--	1380	172	1380	1.3	3.7	0-0-2	
	5	0.125	14	0.50	--	2090	152	2090		3.7	1-1-5	
	5	(20)	18	0.80	--	2571	143	2571		3.7	1-2-6	
	5		13	0.20	--	1701	131	1701		3.2	0-1-3	
	5	0.160	22	0.50	--	2360	110	2360		3.2	1-2-6	
	5	(30)	28	0.80	19	2788	100	2788		3.2	2-4-8	
	5		20	0.20	--	1952	99	1952		2.8	1-2-5	
	5	0.188	32	0.50	19	2550	80	2550		2.8	2-4-8	
	5	(40)	41	0.80	26	2919	72	2919		2.8	3-5-10	
	5		31	0.20	--	2220	72	2220		1.8	1-2-6	
	5	0.250	51	0.50	24	2916	57	2916		1.8	3-5-10	
	5	(50)	67	0.80	31	3348	50	3348		1.8	4-7-11	
	5		48	0.20	19	2597	54	2597		1.5	2-4-8	
	5	0.300	78	0.50	32	3273	42	3273		1.5	5-7-11	
	8	(60)	100	0.80	35	3679	37	3679		1.5	6-9-13	
	5		74	0.20	29	2696	36	2696		1.2	3-6-10	
6	0.350	114	0.50	37	3407	30	3407	1.2	6-9-13			
8	(70)	143	0.80	41	3836	27	3836	1.2	7-10-14			
2x4 ft	5		14	0.20	--	2711	192	2711	2.0	4.2	0-0-2	0-1-3
	5	0.125	23	0.50	--	3801	163	3801		4.2	0-1-4	1-2-8
	5	(20)	30	0.80	15	4515	150	4515		4.2	1-2-6	2-4-10
	5		23	0.20	--	3241	142	3241		3.3	0-1-3	1-1-6
	5	0.160	38	0.50	--	4523	121	4523		3.3	1-2-6	2-4-11
	5	(30)	48	0.80	21	5345	110	5345		3.3	1-3-8	3-7-13
	5		34	0.20	--	3908	116	3908		2.8	1-1-5	1-2-8
	5	0.188	54	0.50	20	5289	98	5289		2.8	1-3-8	3-6-13
	5	(40)	69	0.80	27	6146	89	6146		2.8	2-5-10	5-9-15
	5		59	0.20	16	4373	74	4373		2.3	1-3-7	3-6-13
	5	0.250	96	0.50	29	5714	59	5714		2.3	3-6-11	7-11-16
	5	(50)	123	0.80	35	6531	53	6531		2.3	5-7-12	9-13-19
	5		84	0.20	28	4347	52	4347		1.2	1-3-7	2-5-12
	8	0.300	139	0.50	33	5805	42	5805		1.2	3-6-11	6-10-16
	8	(60)	179	0.80	40	6681	37	6681		1.2	5-7-12	9-13-18
	5		121	0.20	34	4726	39	4726		1.3	3-5-10	5-9-15
8	0.350	190	0.50	37	6109	32	6109	1.3	5-8-13	10-14-19		
8	(70)	239	0.80	43	6940	29	6940	1.3	7-10-14	12-15-22		

Performance Notes:

- Operating Conditions are:
 - 75°F db, 50% relative humidity room design temperature.
 - 57°F db, 90% relative humidity primary air temperature.
 - 57°F entering chilled water temperature for cooling.
 - 120°F entering hot water temperature for heating.
 - 1 gpm water flow rate.
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