

# Climate 5000 Series - Gen 4

## 27K BTU Multi Zone Regular Outdoor Unit

Engineering  
 Submittal  
 Sheet



# BOSCH

Overview and Project Information		
  	Project name	
	Location	
	Architect	
	Engineer	
	General contractor	
	Reference #	
	Date	

27K Btu Multi Zone Regular Outdoor Unit				
Outdoor part number		8-733-962-696		
Outdoor model number		BMS500-AAM027-1CSXRD		
Efficiency Data		Ducted	Non-Ducted	Mixed Ducted & Non-Ducted
SEER2		21	25	23.0
EER2		12	13	12.5
HSPF2 (Region IV)		9	9.5	9.25
HSPF2 (Region V)		7	7.4	7.2
COP(47°F)		3.6	3.8	3.7
COP (5°F)		2.0	2.0	2.0
Performance Data		Ducted	Non-Ducted	Mixed Ducted & Non-Ducted
Cooling	Capacity Range (Btu/h)	7200~32000	7200~32000	7200-32000
	Rated Capacity (Btu/h)	26600	27000	26800
	Current (A)	11.5	9.2	10.35
	Input Power (W)	2215	2076	2145.5
Heating	Capacity Range (Btu/h)	8400~28800	8400~29000	8400-28900
	Rated Capacity (47°F)	26600	27000	26800
	Capacity (5°F)	18800.0	19000.0	3.7
	Current (A)	11	9.2	10.1
	Input Power (W)	2165	2080	2122.5

Operation Range		
ODU	Cooling (°F / °C)	-13~122 / -25~50
	Heating (°F / °C)	-13~75 / -25~24
Electrical Data		
Power supply (V / Ø / Hz)		208-230 / 1 / 60
Min. circuit ampacity (A)		23
Max. fuse (A)		25

Compressor Data	
Type:	Rotary
Refrigerant oil /oil charge (ml)	V74 / 620
Input (W)	805 / 2045
Rated current (A)	4.15 / 9.30

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Piping	
Refrigerant precharge (ft / m)	24.6(7.5)x4
Refrigerant charge (oz / kg)	84.66 / 2.4
Liquid side (in / mm)	4x1/4in / 4x6.35mm
Gas side (in / mm)	3x3/8in+1x1/2in / 3x9.52mm+1x12.7mm
Additional Charge of Refrigerant - liquid side (oz/ft)/(g/m)	0.16 / 15
Additional Charge of Refrigerant - gas side (oz/ft)/(g/m)	0.32 / 30
Max. refrigerant pipe length (ft / m)	262.4 / 80
Max. length to one IDU (ft / m)	114.8 / 35
Max. height difference between IDU and ODU (ft / m)	49.2 / 15
Max. height difference between IDU's (ft / m)	33 / 10

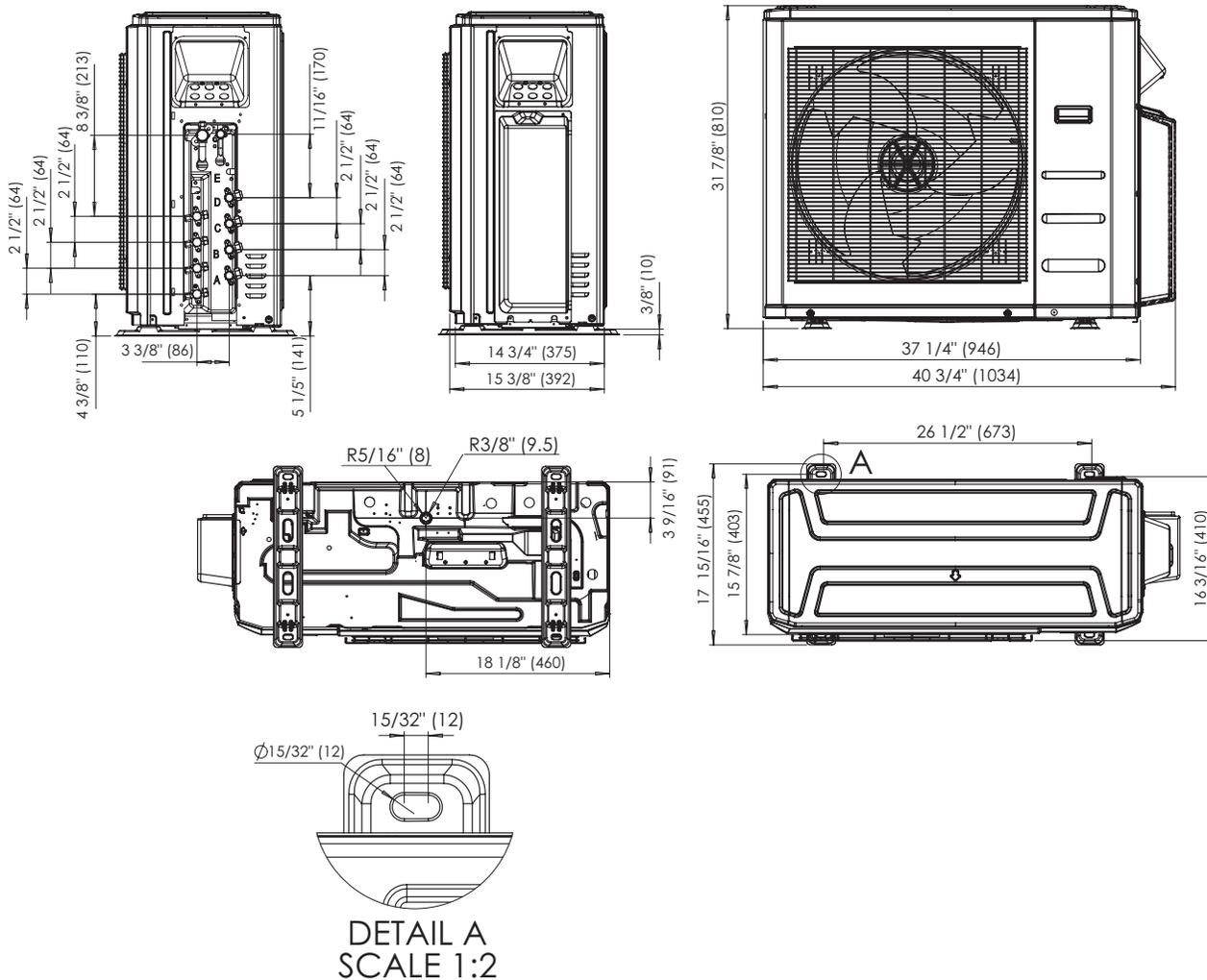
System Data		
Refrigerant type	R454B	
Design pressure (PSIG)	550 / 340	
Dehumidification (L/hr)	0.8	
ODU	Fan motor model #	ZKFN-120-8-9
	Fan motor qty (ea)	1
	Fan motor input (W)	150.0
	Fan motor speed, H / M / L (RPM)	800 / 700 / 650
	Air flow, max (CFM)	2130.7
	Noise level, max (dB(A))	61
	Net weight (lbs / kg)	138.89 / 63.0
	Gross weight (lbs / kg)	149.69 / 67.9
IDU	Minimum # of indoors	1
	Maximum # of indoors	4

Multi Zone Pairing Information	1 ZONE	2 ZONE	3 ZONE	4 ZONE	5 ZONE
BMS500-AAM027-1CSXRD	18	6+6	6+6+6	6+6+6+6	
	24	6+9	6+6+9	6+6+6+9	
		6+12	6+6+12	6+6+6+12	
		6+18	6+6+18	6+6+9+9	
		6+24	6+6+24	6+6+9+12	
		9+9	6+9+9	6+9+9+9	
		9+12	6+9+12	6+9+9+12	
		9+18	6+9+18	9+9+9+9	
		9+24	6+12+12		
		12+12	6+12+18		
		12+18	9+9+9		
		12+24	9+9+12		
		18+18	9+9+18		
			9+12+12		
			12+12+12		
Capacities	Wall Mounted - 6K to 24K Cassette/Ducted - 9K to 24K				

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Outdoor Unit Dimensions and Connections



DETAIL A  
SCALE 1:2

Model	W (in)	D (in)	H (in)
BMS500-AAM027-1CSXRD	37.24	16.14	31.89

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## 27K Btu Multi Zone Regular Outdoor Unit



### Cooling Performance - Indoor Dry Bulb Temperature at 1294 CFM (Ducted)

ODU DB(°F)	IDU WB (°F)	Cooling Performance - Indoor Dry Bulb Temperature at 1294 CFM (Ducted)																							
		60.8°F(16.0°C)						64.4°F(18.0°C)						67°F(19.4°C)						71.6°F(22.0°C)					
		IDU DB (°F)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)			
-13°F (-25.0°C)	TC	27698	27735	27765	27767	27804	29367	29402	29431	29437	29472	31122	31162	31197	31203	31238	32997	33033	33069	33074	33115				
	S/T	0.61	0.72	0.82	0.82	0.93	0.58	0.68	0.77	0.77	0.88	0.54	0.64	0.73	0.73	0.83	0.51	0.60	0.68	0.68	0.78				
	PI	1.94	1.95	1.95	1.95	1.95	2.06	2.06	2.07	2.07	2.07	2.18	2.19	2.19	2.19	2.19	2.32	2.32	2.32	2.32	2.32				
-4°F (-20.0°C)	TC	29829	29869	29901	29902	29943	31626	31664	31695	31701	31739	33516	33559	33597	33603	33641	35535	35574	35613	35618	35663				
	S/T	0.62	0.73	0.83	0.83	0.94	0.59	0.69	0.78	0.78	0.89	0.55	0.65	0.74	0.74	0.84	0.52	0.61	0.70	0.70	0.79				
	PI	2.01	2.02	2.02	2.02	2.02	2.13	2.14	2.14	2.14	2.14	2.26	2.27	2.27	2.27	2.27	2.40	2.40	2.40	2.40	2.41				
0°F (-17.8°C)	TC	30776	30817	30850	30852	30893	32630	32669	32701	32708	32747	34580	34625	34663	34670	34709	36663	36703	36743	36749	36795				
	S/T	0.63	0.73	0.84	0.84	0.95	0.59	0.69	0.79	0.79	0.90	0.56	0.65	0.74	0.74	0.85	0.53	0.62	0.70	0.70	0.80				
	PI	2.04	2.05	2.05	2.05	2.05	2.17	2.17	2.17	2.17	2.18	2.30	2.30	2.30	2.30	2.31	2.44	2.44	2.44	2.44	2.44				
5°F (-15.0°C)	TC	31959	32002	32037	32038	32081	33885	33926	33959	33966	34006	35910	35957	<b>35997</b>	36003	36043	38074	38115	38156	38162	38210				
	S/T	0.63	0.74	0.84	0.84	0.96	0.60	0.70	0.80	0.80	0.91	0.56	0.66	0.75	0.75	0.86	0.53	0.62	0.71	0.71	0.81				
	PI	2.08	2.09	2.09	2.09	2.09	2.21	2.21	2.21	2.21	2.22	2.34	2.34	<b>2.35</b>	2.35	2.35	2.48	2.48	2.49	2.49	2.49				
14°F (-10.0°C)	TC	31966	32009	32044	32045	32088	33893	33933	33966	33973	34013	35918	35964	36004	36011	36051	38082	38123	38165	38170	38218				
	S/T	0.62	0.73	0.83	0.83	0.94	0.59	0.69	0.78	0.78	0.89	0.55	0.65	0.74	0.74	0.84	0.52	0.61	0.69	0.69	0.79				
	PI	2.06	2.06	2.06	2.06	2.07	2.18	2.19	2.19	2.19	2.19	2.31	2.32	2.32	2.32	2.32	2.45	2.46	2.46	2.46	2.46				
17°F (-8.3°C)	TC	31968	32011	32046	32047	32091	33895	33935	33968	33975	34015	35920	35967	<b>36007</b>	36014	36054	38084	38125	38167	38173	38221				
	S/T	0.62	0.72	0.82	0.82	0.94	0.58	0.68	0.78	0.78	0.88	0.55	0.65	0.74	0.73	0.83	0.52	0.61	0.69	0.69	0.79				
	PI	2.05	2.05	2.06	2.06	2.06	2.17	2.18	2.18	2.18	2.18	2.30	2.31	<b>2.31</b>	2.31	2.31	2.44	2.45	2.45	2.45	2.45				
23°F (-5.0°C)	TC	32836	32880	32915	32917	32961	34815	34856	34890	34897	34939	36895	36943	36984	36991	37032	39118	39160	39203	39209	39258				
	S/T	0.61	0.72	0.81	0.81	0.93	0.58	0.68	0.77	0.77	0.88	0.54	0.64	0.72	0.72	0.83	0.51	0.60	0.68	0.68	0.78				
	PI	2.13	2.13	2.13	2.13	2.14	2.26	2.26	2.26	2.26	2.27	2.39	2.39	2.40	2.40	2.40	2.54	2.54	2.54	2.54	2.55				
35°F (1.7°C)	TC	34571	34617	34654	34656	34703	36654	36697	36734	36741	36785	38844	38894	<b>38938</b>	38945	38988	41184	41229	41274	41280	41332				
	S/T	0.60	0.70	0.80	0.80	0.91	0.56	0.66	0.75	0.75	0.86	0.53	0.62	0.71	0.71	0.81	0.50	0.59	0.67	0.67	0.76				
	PI	2.28	2.29	2.29	2.29	2.29	2.42	2.42	2.43	2.43	2.43	2.57	2.57	<b>2.57</b>	2.57	2.58	2.72	2.72	2.73	2.73	2.73				
41°F (5.0°C)	TC	34287	34334	34371	34372	34418	36354	36397	36433	36440	36483	38526	38576	38619	38626	38669	40847	40891	40936	40942	40993				
	S/T	0.61	0.72	0.82	0.82	0.93	0.58	0.68	0.77	0.77	0.88	0.54	0.64	0.73	0.73	0.83	0.51	0.60	0.69	0.69	0.78				
	PI	2.30	2.30	2.30	2.30	2.30	2.43	2.44	2.44	2.44	2.44	2.58	2.58	2.59	2.59	2.59	2.74	2.74	2.74	2.74	2.75				
47°F (8.3°C)	TC	34004	34050	34087	34088	34134	36053	36096	36132	36139	36182	38207	38257	<b>38300</b>	38307	38350	40510	40554	40598	40604	40655				
	S/T	0.63	0.73	0.83	0.83	0.95	0.59	0.69	0.79	0.79	0.90	0.56	0.65	0.74	0.74	0.85	0.53	0.62	0.70	0.70	0.80				
	PI	2.31	2.31	2.31	2.31	2.32	2.45	2.45	2.45	2.45	2.46	2.59	2.60	<b>2.60</b>	2.60	2.60	2.75	2.75	2.75	2.75	2.76				
50°F (10.0°C)	TC	33293	33337	33373	33375	33420	35299	35341	35376	35383	35425	37408	37456	37498	37505	37547	39662	39705	39748	39754	39804				
	S/T	0.62	0.73	0.82	0.82	0.94	0.58	0.68	0.78	0.78	0.89	0.55	0.65	0.73	0.73	0.84	0.52	0.61	0.69	0.69	0.79				
	PI	2.30	2.30	2.31	2.31	2.31	2.44	2.44	2.44	2.44	2.45	2.58	2.59	2.59	2.59	2.59	2.74	2.74	2.75	2.75	2.75				
59°F (15.0°C)	TC	31158	31200	31233	31235	31277	33036	33075	33107	33114	33153	35009	35055	35094	35100	35139	37119	37159	37199	37205	37252				
	S/T	0.60	0.70	0.80	0.80	0.91	0.56	0.66	0.75	0.75	0.86	0.53	0.62	0.71	0.71	0.81	0.50	0.59	0.67	0.67	0.76				
	PI	2.28	2.28	2.28	2.28	2.29	2.42	2.42	2.42	2.42	2.42	2.56	2.56	2.57	2.57	2.57	2.71	2.72	2.72	2.72	2.72				
68°F (20.0°C)	TC	29023	29062	29093	29095	29134	30772	30809	30839	30845	30882	32611	32653	32689	32695	32732	34575	34613	34651	34656	34699				
	S/T	0.58	0.68	0.77	0.77	0.88	0.54	0.64	0.72	0.72	0.83	0.51	0.60	0.68	0.68	0.78	0.48	0.57	0.65	0.65	0.74				
	PI	2.26	2.26	2.26	2.26	2.26	2.39	2.39	2.40	2.40	2.40	2.53	2.54	2.54	2.54	2.54	2.69	2.69	2.69	2.69	2.70				
77°F (25.0°C)	TC	26888	26924	26953	26955	26991	28509	28542	28571	28576	28610	30212	30251	30285	30291	30324	32032	32067	32102	32107	32147				
	S/T	0.55	0.65	0.74	0.74	0.84	0.52	0.61	0.70	0.70	0.80	0.49	0.58	0.66	0.66	0.75	0.47	0.55	0.62	0.62	0.71				
	PI	2.23	2.24	2.24	2.24	2.24	2.37	2.37	2.37	2.37	2.38	2.51	2.51	2.52	2.52	2.52	2.66	2.66	2.67	2.67	2.67				
82°F (27.8°C)	TC	26726	26762	26791	26792	26828	28337	28370	28398	28404	28438	30030	30069	<b>30102</b>	30108	30141	31839	31874	31908	31913	31953				
	S/T	0.56	0.66	0.75	0.75	0.85	0.53	0.62	0.70	0.70	0.80	0.50	0.58	0.66	0.66	0.76	0.47	0.55	0.63	0.63	0.71				
	PI	2.28	2.29	2.29	2.29	2.29	2.42	2.42	2.43	2.43	2.43	2.57	2.57	<b>2.57</b>	2.57	2.58	2.72	2.72	2.73	2.73	2.73				
86°F (30.0°C)	TC	27888	27925	27956	27957	27994	29569	29604	29633	29639	29674	31335	31376	31411	31417	31452	33223	33259	33295	33301	33342				
	S/T	0.58	0.69	0.78	0.78	0.89	0.55	0.65	0.74	0.74	0.84	0.52	0.61	0.69	0.69	0.79	0.49	0.58	0.65	0.65	0.75				
	PI	2.40	2.41	2.41	2.41	2.41	2.55	2.55	2.55	2.56	2.56	2.70	2.70	2.71	2.71	2.71	2.86	2.87	2.87	2.87	2.87				
95°F (35.0°C)	TC	30502	30543	30576	30578	30619	32341	32379	32411	32417	32456	34273	34317	<b>34355</b>	34362	34400	36338	36377	36417	36422	36468				
	S/T	0.64	0.75	0.85	0.85	0.97	0.60	0.71	0.81	0.81	0.92	0.57	0.67	0.76	0.76	0.87	0.54	0.63	0.72	0.72	0.82				
	PI	2.67	2.68	2.68	2.68	2.68	2.84	2.84	2.84	2.84	2.85	3.00	3.01	<b>3.01</b>	3.01	3.02	3.19	3.19	3.19	3.19	3.20				
104°F (40.0°C)	TC	26682	26717	267																					

# Climate 5000 Series - Gen 4

## 27K Btu Multi Zone Regular Outdoor Unit



### Cooling Performance - Indoor Dry Bulb Temperature at 1588 CFM (Non-Ducted)

ODU DB(°F)	IDU WB (°F)	60.8°F(16.0°C)						64.4°F(18.0°C)					67°F(19.4°C)					71.6°F(22.0°C)				
		IDU DB (°F)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)
			TC	25905	25940	25968	25969	26004	27466	27499	27526	27531	27564	29107	29145	29177	29183	29215	30861	30894	30928	30933
S/T	0.61	0.72	0.82	0.82	0.93	0.58	0.68	0.77	0.77	0.88	0.54	0.64	0.73	0.73	0.83	0.51	0.60	0.68	0.68	0.78		
PI	2.19	2.19	2.19	2.19	2.20	2.32	2.32	2.32	2.32	2.33	2.46	2.46	2.46	2.46	2.47	2.61	2.61	2.61	2.61	2.62		
-4°F (-20.0°C)	TC	27898	27935	27965	27967	28004	29579	29614	29643	29649	29684	31346	31387	31422	31428	31463	33235	33271	33307	33312	33354	
	S/T	0.62	0.73	0.83	0.83	0.94	0.59	0.69	0.78	0.78	0.89	0.55	0.65	0.74	0.74	0.84	0.52	0.61	0.70	0.70	0.79	
	PI	2.27	2.27	2.27	2.27	2.27	2.40	2.41	2.41	2.41	2.41	2.55	2.55	2.55	2.55	2.56	2.70	2.70	2.71	2.71	2.71	
0°F (-17.8°C)	TC	28783	28822	28853	28854	28893	30518	30554	30584	30590	30627	32341	32383	32419	32425	32462	34290	34327	34364	34370	34413	
	S/T	0.63	0.73	0.84	0.84	0.95	0.59	0.69	0.79	0.79	0.90	0.56	0.65	0.74	0.74	0.85	0.53	0.62	0.70	0.70	0.80	
	PI	2.30	2.30	2.31	2.31	2.31	2.44	2.44	2.44	2.44	2.45	2.58	2.59	2.59	2.59	2.59	2.74	2.74	2.75	2.75	2.75	
5°F (-15.0°C)	TC	29890	29931	29963	29964	30005	31692	31729	31761	31767	31805	33585	33629	<b>33666</b>	33672	33710	35609	35647	35686	35692	35736	
	S/T	0.63	0.74	0.84	0.84	0.96	0.60	0.70	0.80	0.80	0.91	0.56	0.66	0.75	0.75	0.86	0.53	0.62	0.71	0.71	0.81	
	PI	2.34	2.35	2.35	2.35	2.35	2.49	2.49	2.49	2.49	2.49	2.63	2.64	<b>2.64</b>	2.64	2.64	2.79	2.80	2.80	2.80	2.80	
14°F (-10.0°C)	TC	29940	29981	30013	30014	30055	31745	31782	31814	31820	31858	33641	33685	33723	33729	33766	35688	35727	35766	35771	35816	
	S/T	0.62	0.73	0.83	0.83	0.94	0.59	0.69	0.78	0.78	0.89	0.55	0.65	0.74	0.74	0.84	0.52	0.61	0.69	0.69	0.79	
	PI	2.29	2.29	2.30	2.30	2.30	2.43	2.43	2.43	2.44	2.44	2.57	2.58	2.58	2.58	2.58	2.73	2.73	2.74	2.74	2.74	
17°F (-8.3°C)	TC	29957	29997	30030	30031	30071	31762	31800	31831	31838	31875	33660	33704	<b>33741</b>	33748	33785	35688	35727	35766	35771	35816	
	S/T	0.62	0.72	0.82	0.82	0.94	0.58	0.68	0.78	0.78	0.88	0.55	0.64	0.73	0.73	0.83	0.52	0.61	0.69	0.69	0.79	
	PI	2.27	2.28	2.28	2.28	2.28	2.41	2.41	2.42	2.42	2.42	2.55	2.56	<b>2.56</b>	2.56	2.56	2.71	2.71	2.71	2.72	2.72	
23°F (-5.0°C)	TC	30746	30787	30820	30822	30863	32599	32637	32669	32676	32715	34546	34591	34630	34636	34675	36628	36667	36707	36713	36759	
	S/T	0.61	0.72	0.81	0.81	0.93	0.58	0.68	0.77	0.77	0.88	0.54	0.64	0.72	0.72	0.83	0.51	0.60	0.68	0.68	0.78	
	PI	2.43	2.43	2.44	2.44	2.44	2.58	2.58	2.58	2.58	2.59	2.73	2.74	2.74	2.74	2.74	2.90	2.90	2.90	2.90	2.91	
35°F (1.7°C)	TC	32323	32366	32401	32403	32446	34271	34311	34345	34352	34393	36318	36366	<b>36406</b>	36413	36453	38507	38548	38590	38596	38644	
	S/T	0.60	0.70	0.80	0.80	0.91	0.56	0.66	0.75	0.75	0.86	0.53	0.62	0.71	0.71	0.81	0.50	0.59	0.67	0.67	0.76	
	PI	2.75	2.75	2.75	2.75	2.76	2.91	2.92	2.92	2.92	2.92	3.09	3.09	<b>3.09</b>	3.09	3.10	3.27	3.28	3.28	3.28	3.28	
41°F (5.0°C)	TC	31700	31743	31777	31779	31821	33651	33684	33690	33730	33768	35619	35665	35705	35711	35751	37765	37806	37847	37853	37900	
	S/T	0.61	0.72	0.82	0.82	0.93	0.58	0.68	0.77	0.77	0.88	0.54	0.64	0.73	0.73	0.83	0.51	0.60	0.69	0.69	0.78	
	PI	2.57	2.57	2.58	2.58	2.58	2.73	2.73	2.73	2.74	2.74	2.89	2.89	2.90	2.90	2.90	3.06	3.07	3.07	3.07	3.07	
47°F (8.3°C)	TC	31078	31120	31153	31154	31196	32951	32990	33022	33029	33068	34919	34965	<b>35004</b>	35010	35049	37023	37063	37104	37110	37156	
	S/T	0.63	0.73	0.83	0.83	0.95	0.59	0.69	0.79	0.79	0.90	0.56	0.65	0.74	0.74	0.85	0.53	0.62	0.70	0.70	0.80	
	PI	2.39	2.40	2.40	2.40	2.40	2.54	2.54	2.54	2.54	2.55	2.69	2.69	<b>2.70</b>	2.70	2.70	2.85	2.85	2.86	2.86	2.86	
50°F (10.0°C)	TC	31149	31191	31224	31226	31268	33026	33065	33098	33104	33144	34999	35045	35084	35090	35129	37108	37148	37189	37194	37241	
	S/T	0.62	0.73	0.82	0.82	0.94	0.58	0.68	0.78	0.78	0.89	0.55	0.65	0.73	0.73	0.84	0.52	0.61	0.69	0.69	0.79	
	PI	2.40	2.40	2.40	2.40	2.40	2.54	2.54	2.55	2.55	2.55	2.69	2.69	2.70	2.70	2.70	2.85	2.86	2.86	2.86	2.86	
59°F (15.0°C)	TC	31362	31404	31438	31439	31482	33252	33291	33324	33331	33370	35239	35284	35324	35330	35370	37362	37402	37443	37449	37496	
	S/T	0.60	0.70	0.80	0.80	0.91	0.56	0.66	0.75	0.75	0.86	0.53	0.62	0.71	0.71	0.81	0.50	0.59	0.67	0.67	0.76	
	PI	2.40	2.40	2.41	2.41	2.41	2.54	2.55	2.55	2.55	2.55	2.70	2.70	2.70	2.70	2.71	2.86	2.86	2.86	2.87	2.87	
68°F (20.0°C)	TC	31575	31618	31652	31653	31696	33458	33518	33551	33557	33597	35478	35524	35564	35570	35610	37616	37657	37698	37703	37750	
	S/T	0.58	0.68	0.77	0.77	0.88	0.54	0.64	0.72	0.72	0.83	0.51	0.60	0.68	0.68	0.78	0.48	0.57	0.65	0.65	0.74	
	PI	2.40	2.41	2.41	2.41	2.41	2.55	2.55	2.55	2.55	2.56	2.70	2.70	2.71	2.71	2.71	2.86	2.87	2.87	2.87	2.87	
77°F (25.0°C)	TC	31788	31831	31865	31867	31910	33704	33744	33777	33784	33824	35718	35764	35804	35811	35850	37870	37911	37952	37958	38005	
	S/T	0.55	0.65	0.74	0.74	0.84	0.52	0.61	0.70	0.70	0.80	0.49	0.58	0.66	0.66	0.75	0.47	0.55	0.62	0.62	0.71	
	PI	2.41	2.41	2.41	2.41	2.42	2.55	2.56	2.56	2.56	2.56	2.71	2.71	2.71	2.71	2.72	2.87	2.87	2.88	2.88	2.88	
82°F (27.8°C)	TC	31812	31855	31889	31891	31934	33729	33769	33803	33809	33849	35744	35791	<b>35831</b>	35837	35877	37898	37939	37981	37986	38034	
	S/T	0.56	0.66	0.75	0.75	0.85	0.53	0.62	0.70	0.70	0.80	0.50	0.58	0.66	0.66	0.76	0.47	0.55	0.63	0.63	0.71	
	PI	2.43	2.43	2.43	2.43	2.44	2.57	2.58	2.58	2.58	2.58	2.73	2.73	<b>2.73</b>	2.73	2.74	2.89	2.89	2.90	2.90	2.90	
86°F (30.0°C)	TC	31712	31754	31789	31790	31833	33623	33663	33696	33703	33743	35632	35678	35718	35724	35764	37779	37820	37861	37867	37914	
	S/T	0.58	0.69	0.78	0.78	0.89	0.55	0.65	0.74	0.74	0.84	0.52	0.61	0.69	0.69	0.79	0.49	0.58	0.65	0.65	0.75	
	PI	2.46	2.47	2.47	2.47	2.47	2.61	2.61	2.62	2.62	2.62	2.77	2.77	2.77	2.77	2.78	2.93	2.94	2.94	2.94	2.94	
95°F (35.0°C)	TC	31486	31528	31562	31564	31606	33384	33423	33456	33463	33503	35378	35424	<b>35464</b>	35470	35510	37510	37550	37591	37597	37644	
	S/T	0.64	0.75	0.85	0.85	0.97	0.60	0.71	0.81	0.81	0.92	0.57	0.67	0.76	0.76	0.87	0.54	0.63	0.72	0.72	0.82	
	PI	2.54	2.55	2.55	2.55	2.55	2.70	2.70	2.70	2.70	2.71	2.86	2.86	<b>2.86</b>	2.86	2.87	3.03	3.03	3.04	3.04	3.04	
104°F (40.0°C)	TC	26327	26363	26391	26392	26428	27914	27947														

# Climate 5000 Series - Gen 4

## 27K Btu Multi Zone Regular Outdoor Unit



Heating Performance - Indoor Dry Bulb Temperature at 1294 CFM (Ducted)										
Outdoor DB(°F)	TC Total Heating Capacity(BTU/hr)					PI Power Input(kW)				
	Indoor Conditions(DB °F)					Indoor Conditions(DB °F)				
	60.8°F (16.0°C)	68°F (20.0°C)	70°F (21.1°C)	71.6°F (22.0°C)	75.2°F (24.0°C)	60.8°F (16.0°C)	68°F (20.0°C)	70°F (21.1°C)	71.6°F (22.0°C)	75.2°F (24.0°C)
<b>-13°F(-25.0°C)</b>	12807	12551	<b>12488</b>	12438	12326	2.27	2.29	<b>2.30</b>	2.30	2.31
<b>-4°F(-20.0°C)</b>	14192	13909	<b>13839</b>	13784	13660	2.32	2.34	<b>2.34</b>	2.35	2.36
0°F(-17.8°C)	16884	16547	16464	16398	16251	2.42	2.44	2.44	2.45	2.46
<b>5°F(-15.0°C)</b>	20249	19844	<b>19745</b>	19666	19489	2.54	2.56	<b>2.56</b>	2.57	2.58
14°F(-10.0°C)	20042	19641	19543	19465	19290	2.43	2.45	2.46	2.46	2.47
<b>17°F(-8.3°C)</b>	19973	19574	<b>19476</b>	19398	19223	2.40	2.42	<b>2.42</b>	2.42	2.43
22°F(-5.6°C)	19415	19027	18932	18856	18686	2.30	2.32	2.33	2.33	2.34
27°F(-2.8°C)	18857	18480	18388	18314	18149	2.21	2.23	2.23	2.24	2.25
32°F(-0.0°C)	18299	17933	17844	17772	17612	2.12	2.13	2.14	2.14	2.15
<b>35°F(1.7°C)</b>	17965	17605	<b>17517</b>	17447	17290	2.06	2.08	<b>2.08</b>	2.09	2.09
37°F(2.8°C)	20097	19695	19597	19518	19343	2.11	2.12	2.13	2.13	2.14
42°F(5.6°C)	25429	24920	24796	24697	24474	2.22	2.24	2.24	2.24	2.25
44.6°F(7.0°C)	27562	27011	26875	26768	26527	2.26	2.28	2.29	2.29	2.30
<b>47°F(8.3°C)</b>	30761	30146	<b>29995</b>	29875	29606	2.33	2.35	<b>2.35</b>	2.36	2.37
52°F(11.1°C)	27494	26944	26809	26702	26461	2.05	2.07	2.07	2.08	2.08
57°F(13.9°C)	24226	23742	23623	23529	23317	1.77	1.79	1.79	1.79	1.80
59°F(15.0°C)	22919	22461	22349	22259	22059	1.66	1.67	1.68	1.68	1.69
62°F(16.7°C)	20959	20540	20437	20355	20172	1.49	1.51	1.51	1.51	1.52
<b>64.4°F(18.0°C)</b>	19652	19259	<b>19163</b>	19086	18914	1.38	1.39	<b>1.40</b>	1.40	1.40

Bolded values were tested. All other values are simulated and for reference only.

# Climate 5000 Series - Gen 4

## 27K Btu Multi Zone Regular Outdoor Unit



Heating Performance - Indoor Dry Bulb Temperature at 1588 CFM (Non-Ducted)										
Outdoor DB(°F)	TC Total Heating Capacity(BTU/hr)					PI Power Input(kW)				
	Indoor Conditions(DB °F)					Indoor Conditions(DB °F)				
	60.8°F (16.0°C)	68°F (20.0°C)	70°F (21.1°C)	71.6°F (22.0°C)	75.2°F (24.0°C)	60.8°F (16.0°C)	68°F (20.0°C)	70°F (21.1°C)	71.6°F (22.0°C)	75.2°F (24.0°C)
<b>-13°F(-25.0°C)</b>	11736	11501	<b>11444</b>	11398	11295	2.25	2.27	<b>2.27</b>	2.28	2.29
<b>-4°F(-20.0°C)</b>	10991	10771	<b>10717</b>	10674	10578	2.20	2.22	<b>2.22</b>	2.22	2.23
0°F(-17.8°C)	14750	14455	14382	14325	14196	2.27	2.29	2.29	2.29	2.30
<b>5°F(-15.0°C)</b>	19448	19059	<b>18964</b>	18888	18718	2.35	2.37	<b>2.38</b>	2.38	2.39
14°F(-10.0°C)	19105	18723	18630	18555	18388	2.39	2.41	2.41	2.42	2.43
<b>17°F(-8.3°C)</b>	18991	18611	<b>18518</b>	18444	18278	2.40	2.42	<b>2.43</b>	2.43	2.44
22°F(-5.6°C)	18912	18534	18441	18367	18202	2.33	2.35	2.35	2.36	2.37
27°F(-2.8°C)	18833	18456	18364	18291	18126	2.25	2.27	2.28	2.28	2.29
32°F(-0.0°C)	18754	18379	18287	18214	18050	2.18	2.20	2.20	2.21	2.21
<b>35°F(1.7°C)</b>	18707	18333	<b>18241</b>	18168	18004	2.13	2.15	<b>2.16</b>	2.16	2.17
37°F(2.8°C)	20833	20417	20315	20233	20051	2.16	2.18	2.18	2.18	2.19
42°F(5.6°C)	26150	25627	25499	25397	25168	2.22	2.24	2.24	2.25	2.26
44.6°F(7.0°C)	28277	27711	27572	27462	27215	2.24	2.26	2.27	2.27	2.28
<b>47°F(8.3°C)</b>	31466	30837	<b>30683</b>	30560	30285	2.28	2.30	<b>2.30</b>	2.31	2.32
52°F(11.1°C)	31060	30439	30287	30166	29894	2.07	2.08	2.09	2.09	2.10
57°F(13.9°C)	30654	30041	29890	29771	29503	1.85	1.87	1.87	1.88	1.88
59°F(15.0°C)	30491	29881	29732	29613	29347	1.77	1.78	1.79	1.79	1.80
62°F(16.7°C)	30247	29642	29494	29376	29112	1.64	1.66	1.66	1.66	1.67
<b>64.4°F(18.0°C)</b>	30085	29483	<b>29336</b>	29218	28955	1.56	1.57	<b>1.57</b>	1.58	1.58

Bolded values were tested. All other values are simulated and for reference only.