



Air comfort for all



**EXTENDED
RATINGS**

Indoor Unit

MODELS:

CAS12HP230V1BC
CAS18HP230V1BC
CAS24HP230V1BC

Outdoor Unit

MODELS:

3VIR12HP230V1BO
3VIR18HP230V1BO
3VIR24HP230V1BO

Thank you for choosing our product.
Please go through this Extended Ratings to design
your project and retain it for future reference.

To download an electric version visit
<https://www.greecomfort.com/system-documentation/>

EXTENDED RATINGS

CAS12HP230V1BC / 3VIR12HP230V1BO

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Return Air Temperature																			
	70°F (DB) / 59°F (WB)			75°F (DB) / 63°F (WB)			80°F (DB) / 67°F (WB)			90°F (DB) / 73°F (WB)										
	TC (Btu/h)	SHR	EER	TC (Btu/h)	SHR	EER(Btu/(h·W))	TC (Btu/h)	SHR	EER(Btu/(h·W))	TC (Btu/h)	SHR	EER(Btu/(h·W))								
-20°F	7895	5724	73%	10.12	780	8459	6133	73%	10.49	806	8741	6337	72%	8.96	975	9587	6950	72%	10.53	910
-15°F	8318	6030	73%	10.43	798	8882	6439	72%	10.58	840	9164	6644	72%	8.98	1020	10010	7257	73%	10.27	975
-10°F	8670	6308	73%	10.63	815	9234	6718	73%	10.76	858	9516	6923	73%	9.13	1043	10362	7538	73%	10.40	996
-5°F	9023	6587	73%	10.83	833	9587	6998	73%	10.93	877	9869	7204	73%	9.27	1065	10714	7822	73%	10.53	1018
0°F	9164	6712	73%	10.77	851	9728	7125	73%	10.86	895	10010	7332	73%	9.20	1088	10855	7952	73%	10.45	1039
5°F	9305	6839	74%	10.72	868	9869	7253	73%	10.80	914	10151	7461	73%	9.14	1110	10996	8082	73%	10.37	1061
10°F	9516	7018	74%	10.74	886	10080	7434	74%	10.81	932	10362	7642	74%	9.15	1133	11208	8266	74%	10.36	1082
15°F	9728	7198	74%	10.77	903	10292	7616	74%	10.82	951	10574	7824	74%	9.15	1155	11419	8450	74%	10.35	1104
20°F	9869	7327	74%	10.72	921	10433	7746	74%	10.76	969	10714	7956	74%	9.10	1178	11560	8584	74%	10.27	1125
25°F	10010	7457	75%	10.66	939	10574	7877	75%	10.70	988	10855	8078	75%	9.05	1200	11701	8718	75%	10.21	1147
30°F	10362	7746	75%	10.84	956	10926	8167	75%	10.86	1007	11208	8378	75%	9.17	1223	12054	9010	75%	10.32	1168
35°F	10714	8036	75%	11.00	974	11278	8459	75%	11.00	1025	11560	8670	75%	9.29	1245	12406	9305	75%	10.43	1190
40°F	10926	8222	75%	11.02	991	11490	8646	75%	11.01	1044	11772	8858	75%	9.29	1268	12618	9495	75%	10.42	1211
45°F	11137	8409	75%	11.04	1009	11701	8835	75%	11.02	1062	11983	9047	75%	9.29	1290	12829	9686	75%	10.41	1233
50°F	11490	8704	76%	11.19	1027	12054	9131	76%	11.15	1081	12336	9344	76%	9.40	1313	13182	9985	76%	10.51	1254
55°F	11842	9000	76%	11.34	1044	12406	9429	76%	11.29	1099	12688	9643	76%	9.50	1335	13534	10286	76%	10.61	1276
60°F	12195	9299	76%	11.49	1062	12759	9729	76%	11.42	1118	13041	9944	76%	9.61	1358	13887	10588	76%	10.71	1297
65°F	12547	9599	76%	11.62	1079	13111	10030	76%	11.54	1136	13393	10246	76%	9.71	1380	14239	10893	77%	10.80	1319
70°F	13111	10063	77%	11.95	1097	13675	10496	77%	11.84	1155	13957	10712	77%	9.95	1403	14803	11361	77%	11.05	1340
75°F	13675	10530	77%	12.27	1115	14239	10964	77%	12.14	1173	14521	11181	77%	10.19	1425	15367	11832	77%	11.29	1362
80°F	13887	10727	77%	12.27	1132	14450	11163	77%	12.13	1192	14732	11381	77%	10.18	1448	15578	12034	77%	11.26	1383
85°F	14098	10926	78%	12.26	1150	14662	11363	78%	12.11	1210	14944	11582	78%	10.17	1470	15790	12237	77%	11.24	1405
90°F	13675	10632	78%	11.77	1162	14239	11071	78%	11.65	1223	14521	11290	78%	9.78	1485	15367	11948	78%	10.83	1419
95°F	13252	10337	78%	11.30	1173	13816	10777	78%	11.19	1235	14098	10996	78%	9.40	1500	14944	11656	78%	10.43	1433
100°F	12900	10094	78%	10.73	1203	13464	10535	78%	10.64	1266	13746	10756	78%	8.94	1538	14591	11418	78%	9.93	1469
105°F	12547	9850	79%	10.19	1232	13111	10292	78%	10.11	1297	13393	10514	78%	8.50	1575	14239	11178	79%	9.46	1505
110°F	12336	9714	79%	9.78	1261	12900	10158	79%	9.72	1328	13182	10381	79%	8.17	1613	14028	11047	79%	9.10	1541
115°F	12124	9578	79%	9.39	1291	12688	10024	79%	9.34	1359	12970	10246	79%	7.86	1650	13816	10915	79%	8.76	1577
120°F	11631	9217	79%	8.98	1295	12195	9664	79%	8.78	1389	12477	9888	79%	7.39	1688	13323	10558	79%	8.26	1612
122°F	11137	8854	80%	8.57	1300	11701	9303	80%	8.24	1420	11983	9527	79%	6.95	1725	12829	10199	80%	7.78	1648
125°F																				
129°F																				

MAX OUTPUT*

*Maximum Output values are not based on AHRI test conditions

- LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance

EXTENDED RATINGS

CAS12HP230V1BC / 3VIR12HP230V1BO

Outdoor Ambient Temperature		Return Air Temperature															
		70°F (DB)				75°F (DB)				80°F (DB)				90°F (DB)			
		TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	
DB	WB	MAX OUTPUT*															
-22°F	-22.5°F	8525	2.45	1020	8215	2.31	1041	7905	2.18	1061	7595	2.06	1083	-	-		
-20°F	-20.5°F	8758	2.49	1031	8448	2.36	1051	8138	2.22	1072	7828	2.10	1094	-	-		
-15°F	-16°F	8990	2.53	1041	8680	2.40	1062	8370	2.27	1083	8060	2.14	1105	-	-		
-10°F	-11°F	9533	2.66	1052	9223	2.52	1073	8913	2.39	1094	8603	2.26	1116	-	-		
-5°F	-6°F	10075	2.78	1062	9765	2.64	1083	9455	2.51	1105	9145	2.38	1127	-	-		
0°F	-1°F	10540	2.85	1084	10230	2.71	1106	9920	2.58	1128	9610	2.45	1150	-	-		
5°F	3°F	11005	2.92	1106	10695	2.78	1128	10385	2.64	1151	10075	2.52	1174	-	-		
10°F	8°F	11625	3.02	1129	11315	2.88	1151	11005	2.75	1174	10695	2.62	1198	-	-		
15°F	13°F	11858	3.05	1140	11858	2.99	1163	11548	2.85	1186	11238	2.72	1210	-	-		
17°F	15°F	12090	3.08	1152	12400	3.09	1175	12090	2.96	1198	11780	2.83	1222	-	-		
20°F	17°F	12710	3.17	1175	12400	3.03	1199	12090	2.90	1223	11780	2.77	1247	-	-		
25°F	22°F	13175	3.22	1199	12865	3.08	1223	12555	2.95	1248	12245	2.82	1272	-	-		
30°F	27°F	13408	3.24	1211	13098	3.11	1236	12788	2.97	1260	12478	2.84	1285	-	-		
35°F	33°F	13640	3.27	1224	13330	3.13	1248	13020	3.00	1273	12710	2.87	1298	-	-		
40°F	36°F	14725	3.46	1249	14415	3.32	1273	14105	3.18	1299	13795	3.05	1325	-	-		
45°F	41°F	15190	3.49	1274	14880	3.36	1299	14570	3.22	1325	14260	3.09	1352	-	-		
47°F	43°F	15500	3.49	1300	15190	3.36	1326	14880	3.22	1353	14570	3.09	1380	-	-		
50°F	46°F	15345	3.44	1307	15035	3.31	1333	14725	3.17	1359	14415	3.05	1386	-	-		
55°F	50°F	15190	3.39	1313	14880	3.26	1339	14570	3.13	1366	14260	3.00	1393	-	-		
60°F	55°F	15035	3.32	1326	14725	3.19	1353	14415	3.06	1380	14105	2.94	1407	-	-		
65°F	60°F	14725	3.39	1274	14415	3.25	1299	14105	3.12	1325	13795	2.99	1352	-	-		
70°F	64°F	14570	3.37	1268	14260	3.23	1293	13950	3.10	1319	13640	2.97	1345	-	-		
75°F	69°F	14415	3.35	1261	14105	3.21	1286	13795	3.08	1312	13485	2.95	1338	-	-		
80°F	74°F	13175	3.16	1222	12865	3.03	1246	12555	2.90	1271	12245	2.77	1297	-	-		
86°F	80°F	11625	2.85	1196	11315	2.72	1220	11005	2.59	1244	10695	2.47	1269	-	-		

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance

EXTENDED RATINGS

CAS18HP230V1BC / 3VIR18HP230V1BO

Outdoor Ambient Temperature (DB)		Return Air Temperature																			
		70°F (DB) / 59°F (WB)				75°F (DB) / 63°F (WB)				80°F (DB) / 67°F (WB)				90°F (DB) / 73°F (WB)							
		TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER (Btu/(h·W))	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER (Btu/(h·W))	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER (Btu/(h·W))	Power Input (W)
MAX OUTPUT*																					
-20°F	7039	4294	61%	8.56	823	7257	4572	63%	8.65	839	7443	4764	64%	8.69	857	7964	5177	65%	8.86	899	
-15°F	7257	4499	62%	8.65	839	7482	4788	64%	8.73	857	7673	4988	65%	8.78	874	8211	5419	66%	8.95	918	
-10°F	7482	4639	62%	8.73	857	7713	4936	64%	8.82	874	7911	5142	65%	8.87	892	8465	5587	66%	9.04	936	
-5°F	7713	4782	62%	8.82	874	7952	5089	64%	8.92	892	8155	5301	65%	8.96	910	8726	5759	66%	9.13	956	
0°F	7952	4930	62%	8.92	892	8197	5246	64%	9.01	910	8408	5465	65%	9.05	929	8996	5937	66%	9.23	975	
5°F	8197	5164	63%	9.01	910	8451	5493	65%	9.10	929	8668	5721	66%	9.15	948	9274	6214	67%	9.32	995	
10°F	8451	5324	63%	9.10	929	8712	5663	65%	9.19	948	8936	5898	66%	9.24	967	9561	6406	67%	9.42	1015	
15°F	8712	5489	63%	9.19	948	8982	5838	65%	9.29	967	9212	6080	66%	9.34	987	9857	6604	67%	9.51	1036	
20°F	8982	5659	63%	9.29	967	9260	6019	65%	9.38	987	9497	6268	66%	9.43	1007	10162	6808	67%	9.61	1057	
25°F	9260	5926	64%	9.38	987	9546	6300	66%	9.48	1007	9791	6560	67%	9.53	1027	10476	7124	68%	9.71	1079	
30°F	9546	6109	64%	9.48	1007	9841	6495	66%	9.58	1027	10094	6763	67%	9.63	1048	10800	7344	68%	9.81	1101	
35°F	9841	6298	64%	9.58	1027	10146	6696	66%	9.68	1048	10406	6972	67%	9.73	1070	11134	7571	68%	9.91	1123	
40°F	10146	6493	64%	9.68	1048	10459	6903	66%	9.78	1070	10728	7187	67%	9.83	1092	11478	7805	68%	10.12	1146	
45°F	10459	6799	65%	9.78	1070	10783	7225	67%	9.88	1092	11059	7520	68%	9.93	1114	11833	8165	69%	10.22	1169	
50°F	10783	7009	65%	9.88	1092	11116	7448	67%	9.98	1114	11401	7753	68%	10.03	1137	12199	8418	69%	10.22	1193	
55°F	11116	7226	65%	9.98	1114	11460	7678	67%	10.08	1137	11754	7993	68%	10.14	1160	12577	8678	69%	10.33	1218	
60°F	11460	7449	65%	10.08	1137	11815	7916	67%	10.19	1160	12118	8240	68%	10.24	1183	12966	8946	69%	10.43	1243	
65°F	13483	8898	66%	10.20	1322	13900	9452	68%	10.31	1349	14256	9837	69%	10.36	1376	15254	10678	70%	10.56	1445	
70°F	13758	9080	66%	10.31	1335	14183	9645	68%	10.41	1362	14547	10037	69%	10.47	1390	15565	10896	70%	10.67	1459	
75°F	14183	9361	66%	10.41	1362	14622	9943	68%	10.52	1390	14997	10348	69%	10.57	1418	16047	11233	70%	10.78	1489	
80°F	16117	10637	66%	10.29	1566	16616	11299	68%	10.40	1598	17042	11759	69%	10.45	1630	18235	12764	70%	10.65	1712	
85°F	15801	10587	67%	9.89	1598	16290	11240	69%	9.99	1630	16708	11695	70%	10.04	1664	17877	12693	71%	10.23	1747	
90°F	17557	11763	67%	9.78	1795	18100	12489	69%	9.88	1832	18564	12995	70%	9.93	1869	19863	14103	71%	10.12	1963	
95°F	17213	11532	67%	9.49	1813	17745	12244	69%	9.59	1850	18200	12740	70%	9.64	1888	19474	13827	71%	9.82	1982	
100°F	16352	10956	67%	8.97	1822	16858	11632	69%	9.07	1859	17290	12103	70%	9.11	1897	18500	13135	71%	9.29	1992	
105°F	15534	10563	68%	8.48	1831	16015	11210	70%	8.57	1869	16426	11662	71%	8.61	1907	17575	12654	72%	8.78	2002	
110°F	15735	10700	68%	7.62	2065	16222	11355	70%	7.70	2107	16638	11813	71%	7.74	2150	17803	12818	72%	7.89	2258	
115°F	13532	9202	68%	7.36	1838	13951	9766	70%	7.44	1875	14309	10159	71%	7.48	1914	15310	11023	72%	7.62	2009	
120°F	12450	8466	68%	7.06	1764	12835	8984	70%	7.13	1800	13164	9346	71%	7.17	1837	14085	10142	72%	7.30	1929	
122°F	11578	7989	69%	6.84	1694	11936	8475	71%	6.91	1728	12243	8815	72%	6.94	1763	13099	9563	73%	7.07	1852	
125°F																					
129°F																					

*Maximum Output values are not based on AHRI test conditions

- LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance

EXTENDED RATINGS

CAS18HP230V1BC / 3VIR18HP230V1BO

Outdoor Ambient Temperature		Return Air Temperature															
		70°F (DB)				75°F (DB)				80°F (DB)				90°F (DB)			
		TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	
DB	WB	MAX OUTPUT*															
-22°F	-22.5°F	10257	1.64	1837	10000	1.56	1873	9700	1.49	1911	9312	1.40	1949				
-20°F	-20.5°F	11029	1.71	1894	10753	1.63	1931	10430	1.55	1970	10013	1.46	2009				
-15°F	-16°F	11859	1.78	1952	11562	1.70	1991	11215	1.62	2031	10767	1.52	2072				
-10°F	-11°F	12616	1.84	2012	12300	1.76	2053	11931	1.67	2094	11454	1.57	2136				
-5°F	-6°F	13421	1.90	2075	13085	1.81	2116	12693	1.72	2159	12185	1.62	2202				
0°F	-1°F	14127	1.94	2139	13774	1.85	2182	13361	1.76	2225	12827	1.66	2270				
5°F	3°F	14716	1.96	2205	14348	1.87	2249	13918	1.78	2294	13361	1.67	2340				
10°F	8°F	14594	1.92	2225	14229	1.84	2270	13802	1.75	2315	13250	1.64	2362				
15°F	13°F	15075	1.97	2248	14698	1.88	2293	14257	1.79	2339	13687	1.68	2386				
17°F	15°F	15556	2.01	2271	15167	1.92	2316	14712	1.83	2362	14124	1.72	2410				
20°F	17°F	16037	2.03	2317	15636	1.94	2363	15167	1.84	2411	14560	1.74	2459				
25°F	22°F	15333	1.91	2348	14950	1.83	2395	14502	1.74	2443	13922	1.64	2492				
30°F	27°F	16141	2.07	2280	15737	1.98	2326	15265	1.89	2372	14654	1.78	2420				
35°F	33°F	16990	2.16	2303	16565	2.07	2349	16068	1.97	2396	15426	1.85	2444				
40°F	36°F	21340	2.85	2192	20807	2.73	2236	20182	2.59	2280	19375	2.44	2326				
45°F	41°F	22000	2.91	2214	21450	2.78	2258	20807	2.65	2303	19974	2.49	2350				
47°F	43°F	22330	2.93	2236	21772	2.80	2281	21119	2.66	2326	20274	2.50	2373				
50°F	46°F	19204	3.27	1722	18724	3.12	1756	18162	2.97	1791	17436	2.80	1827				
55°F	50°F	18820	3.24	1705	18349	3.09	1739	17799	2.94	1773	17087	2.77	1809				
60°F	55°F	16938	3.20	1551	16514	3.06	1582	16019	2.91	1614	15378	2.74	1646				
65°F	60°F	16430	3.17	1520	16019	3.03	1551	15538	2.88	1582	14917	2.71	1613				
70°F	64°F	12322	3.09	1171	12014	2.95	1194	11654	2.80	1218	11188	2.64	1242				
75°F	69°F	11829	3.02	1147	11534	2.89	1170	11188	2.75	1193	10740	2.59	1217				
80°F	74°F	11356	2.95	1130	11072	2.82	1153	10740	2.68	1176	10310	2.52	1199				
86°F	80°F	10788	2.86	1107	10519	2.73	1129	10203	2.60	1152	9795	2.44	1175				

*Maximum Output values are not based on AHRI test conditions

- LEGEND:** W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance

EXTENDED RATINGS

CAS24HP230V1BC / 3VIR24HP230V1BO

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Return Air Temperature														
	70°F (DB) / 59°F (WB)			75°F (DB) / 63°F (WB)			80°F (DB) / 67°F (WB)			90°F (DB) / 73°F (WB)					
	TC (Btu/h)	SHR	EER	TC (Btu/h)	SHR	EER(Btu/(h·W))	TC (Btu/h)	SHR	EER(Btu/(h·W))	TC (Btu/h)	SHR	EER(Btu/(h·W))			
-20°F	10295	7464	8.11	11030	7997	8.41	11398	8263	8.29	1375	12501	9063	73%	8.44	1481
-15°F	10757	7799	8.21	11486	8327	8.33	11850	8592	8.17	1451	12944	9385	73%	8.09	1600
-10°F	11153	8115	8.31	11878	8642	8.61	12241	8906	73%	8.42	1453	13329	73%	8.32	1602
-5°F	11989	8752	9.11	12739	9299	9.19	13113	9573	8.99	1459	14237	10393	73%	8.85	1608
0°F	12593	9225	9.54	13368	9793	9.62	13756	10077	9.40	1463	14918	10928	73%	9.25	1613
5°F	13302	9777	9.64	1379	10369	9.72	14511	10666	9.49	1528	15720	11555	74%	9.33	1685
10°F	14278	10531	10.32	1384	11155	10.38	1457	11467	10.14	1533	16817	12403	74%	9.95	1691
15°F	14586	10794	10.43	1399	11420	10.48	1473	11733	10.23	1550	17123	12671	74%	10.02	1709
20°F	14889	11056	10.27	1450	11688	10.31	1526	12004	10.06	1607	17442	12951	74%	9.85	1771
25°F	15115	11261	10.23	1478	11895	10.26	1556	12212	10.01	1638	17670	13164	74%	9.79	1805
30°F	15380	11498	10.13	1518	12123	10.15	1598	12436	9.89	1682	17891	13375	75%	9.64	1855
35°F	15691	11768	10.21	1537	12388	10.21	1618	12697	9.94	1703	18168	13626	75%	9.68	1878
40°F	17210	12951	10.92	1576	18098	10.91	1659	13954	10.62	1747	19874	14956	75%	10.32	1926
45°F	17947	13550	11.01	1630	18856	10.99	1716	14579	10.69	1806	20673	15608	76%	10.38	1992
50°F	18772	14222	11.21	1675	19694	11.17	1763	15268	10.86	1856	21536	16315	76%	10.53	2046
55°F	19210	14599	11.25	1708	20124	11.19	1798	15642	10.88	1892	21954	16685	76%	10.52	2086
60°F	19852	15139	11.45	1734	20770	11.38	1825	16189	11.05	1921	22606	17239	76%	10.67	2118
65°F	20111	15385	11.33	1775	21014	11.25	1868	16422	10.92	1966	22822	17459	77%	10.53	2168
70°F	20700	15890	11.54	1793	21590	11.44	1888	16914	11.09	1987	23371	17939	77%	10.67	2191
75°F	21350	16440	11.78	1843	22231	11.65	1908	17457	11.29	2009	23992	18474	77%	10.83	2215
80°F	21563	16658	11.31	1906	22439	11.18	2007	17673	10.83	2112	24190	18688	77%	10.39	2329
85°F	22171	17183	11.35	1953	23058	11.21	2056	18214	10.86	2164	24832	19245	78%	10.41	2386
90°F	22567	17544	11.27	2003	23497	11.14	2109	18629	10.80	2219	25358	19714	78%	10.36	2447
95°F	23146	18054	11.30	2049	24131	11.19	2157	19206	10.85	2270	26100	20358	78%	10.43	2503
100°F	23043	18030	11.00	2094	24050	10.91	2204	19212	10.58	2321	26065	20394	78%	10.19	2558
105°F	22406	17589	10.43	2148	23413	10.36	2261	18775	10.05	2380	25427	19960	79%	9.69	2624
110°F	22275	17541	10.17	2190	23294	10.10	2306	18744	9.81	2427	25330	19947	79%	9.47	2676
115°F	20850	16471	9.45	2207	21819	9.39	2323	17620	9.12	2445	23759	18770	79%	8.81	2696
120°F	19488	15442	8.93	2183	20433	8.73	2342	16565	8.48	2465	22322	17688	79%	8.21	2718
122°F	18232	14495	8.41	2168	19155	8.09	2368	15596	7.87	2493	21002	16696	79%	7.64	2748
125°F															
129°F															

MAX OUTPUT*

*Maximum Output values are not based on AHRI test conditions

- LEGEND:** W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coefficient of Performance

EXTENDED RATINGS

CAS24HP230V1BC / 3VIR24HP230V1BO

Outdoor Ambient Temperature		Return Air Temperature															
		70°F (DB)				75°F (DB)				80°F (DB)				90°F (DB)			
		TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	
DB	WB	MAX OUTPUT*															
-22°F	-22.5°F	13813	7.12	1940	13398	6.64	2019	13191	6.41	2059	12674	6.03	2100				
-20°F	-20.5°F	14084	7.17	1965	13662	6.68	2045	13450	6.45	2086	12938	6.08	2128				
-15°F	-16°F	14660	7.41	1979	14220	6.90	2060	14000	6.66	2101	13482	6.29	2143				
-10°F	-11°F	15194	7.56	2011	14738	7.04	2093	14510	6.80	2135	14005	6.43	2178				
-5°F	-6°F	16156	8.00	2020	15671	7.46	2102	15429	7.20	2144	14923	6.82	2187				
0°F	-1°F	16202	7.86	2061	15716	7.33	2145	15473	7.07	2188	14990	6.72	2231				
5°F	3°F	16344	7.77	2103	16823	7.69	2189	16563	7.42	2232	16069	7.06	2277				
10°F	8°F	18736	8.73	2146	18174	8.14	2233	17893	7.85	2278	17389	7.48	2323				
15°F	13°F	19837	9.06	2189	19242	8.44	2279	18945	8.15	2324	18436	7.78	2371				
17°F	15°F	19940	8.99	2218	19342	8.38	2309	19043	8.09	2355	18555	7.72	2402				
20°F	17°F	20032	8.97	2234	19431	8.36	2325	19130	8.07	2372	18640	7.70	2419				
25°F	22°F	21219	9.31	2280	20583	8.67	2373	20264	8.37	2420	19764	8.01	2469				
30°F	27°F	21809	9.37	2326	21154	8.74	2421	20827	8.43	2470	20322	8.07	2519				
35°F	33°F	23313	9.89	2357	22614	9.22	2453	22264	8.90	2502	21734	8.52	2552				
40°F	36°F	24805	10.45	2374	24061	9.74	2471	23689	9.40	2520	23168	9.01	2570				
45°F	41°F	27507	11.36	2422	27557	10.93	2521	27131	10.55	2571	26553	10.12	2623				
47°F	43°F	27703	11.21	2471	27235	10.59	2573	26890	10.25	2624	26854	10.03	2676				
50°F	46°F	28922	11.53	2509	28388	10.87	2612	27797	10.43	2664	27612	10.16	2717				
55°F	50°F	29307	11.51	2546	29302	11.06	2650	28849	10.67	2703	28236	10.24	2757				
60°F	55°F	30508	11.23	2717	30441	11.15	2729	29956	10.76	2784	29292	10.32	2839				
65°F	60°F	31315	11.17	2803	31251	11.12	2811	30768	10.73	2867	30091	10.29	2925				
70°F	64°F	30589	11.26	2717	29671	10.25	2895	29212	9.89	2953	28563	9.48	3012				
75°F	69°F	29592	11.09	2669	28704	9.63	2982	28260	9.29	3042	27625	8.90	3103				
80°F	74°F	27180	10.99	2472	26365	8.58	3072	25957	8.28	3133	25316	7.92	3196				
86°F	80°F	26966	10.98	2456	26157	8.57	3052	25752	8.27	3113	25027	7.88	3175				

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations.

