

EXTENDED RATINGS

TWH12AT19D6DI/TWH12AT19D6DO

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)	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																				
	-15°F																				
	-10°F																				
	-5°F																				
	0°F	8650	6336	73%	10.58	818	9182	6726	73%	10.66	861	9448	6921	73%	942.50	906	10246	7505	73%	10.26	999
	5°F	8783	6455	74%	10.52	835	9315	6846	73%	10.60	879	9581	7042	73%	962.00	925	10379	7629	73%	10.18	1020
	10°F	8982	6624	74%	10.55	852	9515	7017	74%	10.61	897	9781	7213	74%	981.50	944	10579	7802	74%	10.17	1040
	15°F	9182	6795	74%	10.57	869	9714	7188	74%	10.62	914	9980	7385	74%	1001.00	963	10779	7976	74%	10.16	1061
	20°F	9315	6916	74%	10.52	886	9847	7312	74%	10.56	932	10113	7509	74%	1020.50	981	10912	8102	74%	10.09	1082
	25°F	9448	7039	75%	10.47	903	9980	7435	75%	10.51	950	10246	7634	74%	1040.00	1000	11045	8228	74%	10.02	1103
	30°F	9781	7311	75%	10.64	919	10313	7709	75%	10.66	968	10579	7908	75%	1059.50	1019	11377	8505	75%	10.13	1123
	35°F	10113	7585	75%	10.80	936	10646	7984	75%	10.80	986	10912	8184	75%	1079.00	1038	11710	8783	75%	10.24	1144
	40°F	10313	7760	75%	10.82	953	10845	8161	75%	10.81	1003	11111	8361	75%	1098.50	1056	11910	8962	75%	10.23	1165
	45°F	10513	7937	75%	10.84	970	11045	8339	75%	10.81	1021	11311	8540	76%	1118.00	1075	12109	9143	75%	10.22	1185
	50°F	10845	8215	76%	10.99	987	11377	8618	76%	10.95	1039	11644	8820	76%	1137.50	1094	12442	9425	76%	10.32	1206
	55°F	11178	8495	76%	11.13	1004	11710	8900	76%	11.08	1057	11976	9102	76%	1157.00	1113	12775	9709	76%	10.42	1227
	60°F	11511	8777	76%	11.27	1021	12043	9183	76%	11.21	1075	12309	9386	76%	1176.50	1131	13107	9994	76%	10.51	1247
	65°F	11843	9060	76%	11.41	1038	12376	9467	77%	11.33	1093	12642	9671	76%	1196.00	1150	13440	10282	76%	10.60	1268
	70°F	12376	9498	77%	11.73	1055	12908	9907	77%	11.63	1110	13174	10111	77%	1215.50	1169	13972	10724	77%	10.84	1289
	75°F	12908	9939	77%	12.04	1072	13440	10349	77%	11.91	1128	13706	10554	77%	1235.00	1188	14505	11169	77%	11.08	1309
	80°F	13107	10125	77%	12.04	1089	13640	10537	77%	11.90	1146	13906	10742	77%	1254.50	1206	14704	11359	77%	11.06	1330
85°F	13307	10313	78%	12.04	1106	13839	10725	77%	11.89	1164	14105	10932	77%	1274.00	1225	14904	11550	78%	11.04	1351	
90°F	12908	10036	78%	11.56	1117	13440	10450	78%	11.43	1176	13706	10657	78%	1287.00	1238	14505	11277	78%	10.63	1364	
95°F	12509	9757	78%	11.09	1128	13041	10172	78%	10.98	1188	13307	10379	78%	1300.00	1250	14105	11002	78%	10.24	1378	
100°F	12176	9528	78%	10.53	1156	12708	9944	78%	10.44	1217	12974	10152	78%	1332.50	1281	13773	10777	78%	9.75	1413	
105°F	11843	9297	79%	10.00	1185	12376	9715	79%	9.93	1247	12642	9924	79%	1365.00	1313	13440	10550	78%	9.29	1447	
110°F	11644	9169	79%	9.60	1213	12176	9589	79%	9.54	1277	12442	9798	79%	1397.50	1344	13240	10427	79%	8.94	1481	
115°F	11444	9041	79%	9.22	1241	11976	9461	79%	9.17	1306	12242	9672	79%	1430.00	1375	13041	10302	79%	8.60	1516	
118°F	10978	8700	79%	8.81	1245	11511	9122	79%	8.62	1336	11777	9333	79%	1462.50	1406	12575	9966	79%	8.11	1550	
122°F																					
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

TWH12AT19D6DI/TWH12AT19D6DO

HEATING PERFORMANCE														
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)
MAX OUTPUT*	DB	WB												
	-22°F	-22.5°F												
	-20°F	-20.5°F												
	-15°F	-16°F	8030	1.85	1271	7738	1.75	1296	7446	1.65	1322	7154	1.55	1349
	-10°F	-11°F	8249	1.88	1284	7957	1.78	1309	7665	1.68	1336	7373	1.59	1362
	-5°F	-6°F	8468	1.91	1297	8176	1.81	1323	7884	1.71	1349	7592	1.62	1376
	0°F	-1°F	8614	1.91	1323	8322	1.81	1350	8030	1.71	1377	7738	1.62	1404
	5°F	3°F	9052	1.96	1350	8760	1.86	1377	8468	1.77	1405	8176	1.67	1433
	10°F	8°F	9490	2.02	1378	9198	1.92	1405	8906	1.82	1433	8614	1.73	1462
	15°F	13°F	9928	2.09	1392	9928	2.05	1420	9636	1.95	1448	9344	1.85	1477
	17°F	15°F	10366	2.16	1406	10658	2.18	1434	10366	2.08	1463	10074	1.98	1492
	20°F	17°F	10512	2.15	1435	10220	2.05	1463	9928	1.95	1493	9636	1.86	1522
	25°F	22°F	11242	2.25	1464	10950	2.15	1493	10658	2.05	1523	10366	1.96	1553
	30°F	27°F	11461	2.34	1437	11169	2.23	1466	10877	2.13	1495	10585	2.03	1525
	35°F	33°F	11680	2.43	1410	11388	2.32	1438	11096	2.22	1467	10804	2.12	1496
	40°F	36°F	13140	2.99	1290	12848	2.86	1316	12556	2.74	1342	12264	2.63	1369
	45°F	41°F	13578	3.02	1316	13286	2.90	1342	12994	2.78	1369	12702	2.66	1397
47°F	43°F	14600	3.19	1343	14308	3.06	1370	14016	2.94	1397	13724	2.82	1425	
50°F	46°F	14454	3.14	1350	14162	3.01	1377	13870	2.89	1404	13578	2.78	1432	
55°F	50°F	14308	3.09	1356	14016	2.97	1384	13724	2.85	1411	13432	2.74	1439	
60°F	55°F	14162	3.03	1370	13870	2.91	1397	13578	2.79	1425	13286	2.68	1454	
65°F	60°F	13870	3.09	1316	13578	2.97	1342	13286	2.84	1369	12994	2.73	1397	
70°F	64°F	13724	3.07	1309	13432	2.95	1336	13140	2.83	1362	12848	2.71	1390	
75°F	69°F	13578	3.05	1303	13286	2.93	1329	12994	2.81	1355	12702	2.69	1382	
80°F	74°F													
86°F	80°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