

EXTENDED RATINGS

DHH12ESA3IL, DXH12ESA3IL Indoor / Outdoor

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	7451.92	5402.64	72%	9.94	750	7984.2	5788.55	73%	10.30	775	8250.34	5981.5	73%	845.00	813	9048.76	6560.35	72%	10.34	875
	-15°F	7851.13	5692.07	73%	10.23	767	8383.41	6077.97	72%	10.38	808	8649.55	6270.92	72%	884.00	850	9447.97	6849.78	73%	10.08	937
	-10°F	8183.81	5953.72	73%	10.44	784	8716.09	6340.96	73%	10.56	825	8982.23	6534.57	73%	903.50	869	9780.65	7115.42	73%	10.21	958
	-5°F	8516.48	6217.03	73%	10.63	801	9048.76	6605.59	73%	10.73	843	9314.90	6799.88	73%	923.00	888	10113.32	7382.72	73%	10.34	978
	0°F	8649.55	6335.80	73%	10.58	818	9181.83	6725.69	73%	10.66	861	9447.97	6920.64	73%	942.50	906	10246.39	7505.48	73%	10.26	999
	5°F	8782.62	6455.23	74%	10.52	835	9314.90	6846.45	73%	10.60	879	9581.04	7042.06	73%	962.00	925	10379.46	7628.9	73%	10.18	1020
	10°F	8982.23	6624.39	74%	10.55	852	9514.51	7016.95	74%	10.61	897	9780.65	7213.23	74%	981.50	944	10579.07	7802.06	74%	10.17	1040
	15°F	9181.83	6794.55	74%	10.57	869	9714.11	7188.44	74%	10.62	914	9980.25	7385.39	74%	1001.00	963	10778.67	7976.22	74%	10.16	1061
	20°F	9314.90	6916.31	74%	10.52	886	9847.18	7311.53	74%	10.56	932	10113.32	7509.14	74%	1020.50	981	10911.74	8101.97	74%	10.09	1082
	25°F	9447.97	7038.74	75%	10.47	903	9980.25	7435.29	75%	10.51	950	10246.39	7633.56	74%	1040.00	1000	11044.81	8228.38	74%	10.02	1103
	30°F	9780.65	7311.04	75%	10.64	919	10312.93	7708.92	75%	10.66	968	10579.07	7907.85	75%	1059.50	1019	11377.49	8504.67	75%	10.13	1123
	35°F	10113.32	7584.99	75%	10.80	936	10645.60	7984.20	75%	10.80	986	10911.74	8183.81	75%	1079.00	1038	11710.16	8782.62	75%	10.24	1144
	40°F	10312.93	7760.48	75%	10.82	953	10845.21	8161.02	75%	10.81	1003	11111.35	8361.29	75%	1098.50	1056	11909.77	8962.1	75%	10.23	1165
	45°F	10512.53	7936.96	75%	10.84	970	11044.81	8338.83	75%	10.81	1021	11310.95	8539.77	76%	1118.00	1075	12109.37	9142.57	75%	10.22	1185
	50°F	10845.21	8215.25	76%	10.99	987	11377.49	8618.45	76%	10.95	1039	11643.63	8820.05	76%	1137.50	1094	12442.05	9424.85	76%	10.32	1206
	55°F	11177.88	8495.19	76%	11.13	1004	11710.16	8899.72	76%	11.08	1057	11976.30	9101.99	76%	1157.00	1113	12774.72	9708.79	76%	10.42	1227
	60°F	11510.56	8776.80	76%	11.27	1021	12042.84	9182.67	76%	11.21	1075	12308.98	9385.60	76%	1176.50	1131	13107.4	9994.39	76%	10.51	1247
	65°F	11843.23	9060.07	76%	11.41	1038	12375.51	9467.27	77%	11.33	1093	12641.65	9670.86	76%	1196.00	1150	13440.07	10281.65	76%	10.60	1268
	70°F	12375.51	9498.20	77%	11.73	1055	12907.79	9906.73	77%	11.63	1110	13173.93	10110.99	77%	1215.50	1169	13972.35	10723.78	77%	10.84	1289
	75°F	12907.79	9939.00	77%	12.04	1072	13440.07	10348.85	77%	11.91	1128	13706.21	10553.78	77%	1235.00	1188	14504.63	11168.57	77%	11.08	1309
	80°F	13107.40	10125.47	77%	12.04	1089	13639.68	10536.65	77%	11.90	1146	13905.82	10742.25	77%	1254.50	1206	14704.24	11359.03	77%	11.06	1330
	85°F	13307.00	10312.93	78%	12.04	1106	13839.28	10725.44	77%	11.89	1164	14105.42	10931.70	77%	1274.00	1225	14903.84	11550.48	78%	11.04	1351
	90°F	12907.79	10035.81	78%	11.56	1117	13440.07	10449.65	78%	11.43	1176	13706.21	10656.58	78%	1287.00	1238	14504.63	11277.35	78%	10.63	1364
	95°F	12508.58	9756.69	78%	11.09	1128	13040.86	10171.87	78%	10.98	1188	13307.00	10379.46	78%	1300.00	1250	14105.42	11002.23	78%	10.24	1378
100°F	12175.91	9527.65	78%	10.53	1156	12708.19	9944.16	78%	10.44	1217	12974.33	10152.41	78%	1332.50	1281	13772.75	10777.18	78%	9.75	1413	
105°F	11843.23	9296.94	79%	10.00	1185	12375.51	9714.78	79%	9.93	1247	12641.65	9923.70	79%	1365.00	1313	13440.07	10550.45	78%	9.29	1447	
110°F	11643.63	9169.36	79%	9.60	1213	12175.91	9588.53	79%	9.54	1277	12442.05	9798.11	79%	1397.50	1344	13240.47	10426.87	79%	8.94	1481	
115°F	11444.02	9040.78	79%	9.22	1241	11976.30	9461.28	79%	9.17	1306	12242.44	9671.53	79%	1430.00	1375	13040.86	10302.28	79%	8.60	1516	
120°F	10978.28	8700.29	79%	8.81	1245	11510.56	9122.12	79%	8.62	1336	11776.70	9333.03	79%	1462.50	1406	12575.12	9965.78	79%	8.11	1550	
122°F	10512.53	8357.46	79%	8.41	1250	11044.81	8780.62	79%	8.09	1366	11310.95	8992.21	80%	1495.00	1438	12109.37	9626.95	80%	7.64	1585	
125°F	10179.86	8118.44	80%	8.10	1256	10712.14	8542.93	80%	7.82	1370	10978.28	8755.18	80%	1527.50	1469	11776.7	9391.92	80%	7.27	1619	
129°F	9847.18	7877.74	80%	7.80	1263	10379.46	8303.57	80%	7.55	1375	10645.60	8516.48	80%	1560.00	1500	11444.02	9155.22	80%	6.92	1654	

*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			DHH12ESA3IL, DXH12ESA3IL Indoor / Outdoor										
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)
MAX OUTPUT*	DB	WB											
	-22°F		7592	1.79	1245	7300	1.68	1270	7008	1.58	1296	6716	1.49
	-20°F		7811	1.82	1258	7519	1.72	1283	7227	1.62	1309	6935	1.52
	-15°F		8030	1.85	1271	7738	1.75	1296	7446	1.65	1322	7154	1.55
	-10°F		8249	1.88	1284	7957	1.78	1309	7665	1.68	1336	7373	1.59
	-5°F		8468	1.91	1297	8176	1.81	1323	7884	1.71	1349	7592	1.62
	0°F		8614	1.91	1323	8322	1.81	1350	8030	1.71	1377	7738	1.62
	5°F		8760	1.90	1350	8468	1.80	1377	8176	1.71	1405	7884	1.61
	10°F		9490	2.02	1378	9198	1.92	1405	8906	1.82	1433	8614	1.73
	15°F		9928	2.09	1392	9928	2.05	1420	9636	1.95	1448	9344	1.85
	17°F		10366	2.16	1406	10658	2.18	1434	10366	2.08	1463	10074	1.98
	20°F		10512	2.15	1435	10220	2.05	1463	9928	1.95	1493	9636	1.86
	25°F		11242	2.25	1464	10950	2.15	1493	10658	2.05	1523	10366	1.96
	30°F		11461	2.34	1437	11169	2.23	1466	10877	2.13	1495	10585	2.03
	35°F		11680	2.43	1410	11388	2.32	1438	11096	2.22	1467	10804	2.12
	40°F		13140	2.99	1290	12848	2.86	1316	12556	2.74	1342	12264	2.63
	45°F		13578	3.02	1316	13286	2.90	1342	12994	2.78	1369	12702	2.66
	47°F		14600	3.19	1343	14308	3.06	1370	14016	2.94	1397	13724	2.82
	50°F		14454	3.14	1350	14162	3.01	1377	13870	2.89	1404	13578	2.78
	55°F		14308	3.09	1356	14016	2.97	1384	13724	2.85	1411	13432	2.74
60°F		14162	3.03	1370	13870	2.91	1397	13578	2.79	1425	13286	2.68	
65°F		13870	3.09	1316	13578	2.97	1342	13286	2.84	1369	12994	2.73	
70°F		13724	3.07	1309	13432	2.95	1336	13140	2.83	1362	12848	2.71	
75°F		13578	3.05	1303	13286	2.93	1329	12994	2.81	1355	12702	2.69	
80°F		12410	2.88	1262	12118	2.76	1288	11826	2.64	1313	11534	2.52	
86°F		10950	2.60	1236	10658	2.48	1260	10366	2.36	1285	10074	2.25	

*Maximum Output values are not based on AHRI test conditions

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