

EXTENDED RATINGS										DHH09ESA3IL, DXH09ESA3IL 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																				
	-15°F	6844	4961.9	73%	9.70	706	7308	5298	73%	9.84	742.9	7540	5466.5	73%	9.64	782	8236	5971.1	73%	9.55	862.155
	-10°F	7134	5189.99	73%	9.89	721	7598	5528	73%	10.01	759.2875	7830	5696.33	73%	9.80	799	8526	6202.665	73%	9.68	881.1731
	-5°F	7424	5419.52	73%	10.07	737	7888	5758	73%	10.17	775.675	8120	5927.6	73%	9.94	817	8816	6435.68	73%	9.79	900.1913
	0°F	7540	5523.05	73%	10.02	752	8004	5863	73%	10.11	792.0625	8236	6032.87	73%	9.88	834	8932	6542.69	73%	9.72	919.2094
	5°F	7656	5627.16	74%	9.97	768	8120	5968	74%	10.04	808.45	8352	6138.72	74%	9.81	851	9048	6650.28	74%	9.64	938.2275
	10°F	7830	5774.63	74%	9.99	784	8294	6117	74%	10.06	824.8375	8526	6287.93	74%	9.82	868	9222	6801.225	74%	9.63	957.2456
	15°F	8004	5922.96	74%	10.02	799	8468	6266	74%	10.07	841.225	8700	6438	74%	9.82	886	9396	6953.04	74%	9.62	976.2638
	20°F	8120	6029.1	74%	9.97	815	8584	6374	74%	10.01	857.6125	8816	6545.88	74%	9.77	903	9512	7062.66	74%	9.56	995.2819
	25°F	8236	6135.82	75%	9.92	830	8700	6482	75%	9.95	874	8932	6654.34	75%	9.71	920	9628	7172.86	75%	9.49	1014.3
	30°F	8526	6373.19	75%	10.08	846	8990	6720	75%	10.10	890.3875	9222	6893.45	75%	9.84	937	9918	7413.705	75%	9.60	1033.318
	35°F	8816	6612	75%	10.23	861	9280	6960	75%	10.23	906.775	9512	7134	75%	9.97	955	10208	7656	75%	9.70	1052.336
	40°F	8990	6764.98	75%	10.25	877	9454	7114	75%	10.24	923.1625	9686	7288.72	75%	9.97	972	10382	7812.455	75%	9.69	1071.354
	45°F	9164	6918.82	76%	10.27	893	9628	7269	76%	10.25	939.55	9860	7444.3	76%	9.97	989	10556	7969.78	76%	9.68	1090.373
	50°F	9454	7161.41	76%	10.41	908	9918	7513	76%	10.38	955.9375	10150	7688.63	76%	10.09	1006	10846	8215.845	76%	9.78	1109.391
	55°F	9744	7405.44	76%	10.55	924	10208	7758	76%	10.50	972.325	10440	7934.4	76%	10.20	1024	11136	8463.36	76%	9.87	1128.409
	60°F	10034	7650.93	76%	10.68	939	10498	8005	76%	10.62	988.7125	10730	8181.63	76%	10.31	1041	11426	8712.325	76%	9.96	1147.427
	65°F	10324	7897.86	77%	10.81	955	10788	8253	77%	10.73	1005.1	11020	8430.3	77%	10.42	1058	11716	8962.74	77%	10.04	1166.445
	70°F	10788	8279.79	77%	11.12	970	11252	8636	77%	11.02	1021.488	11484	8813.97	77%	10.68	1075	12180	9348.15	77%	10.27	1185.463
	75°F	11252	8664	77%	11.41	986	11716	9021	77%	11.29	1037.875	11948	9199.96	77%	10.94	1093	12644	9735.88	77%	10.50	1204.481
	80°F	11426	8826.59	77%	11.41	1002	11890	9185	77%	11.28	1054.263	12122	9364.25	77%	10.92	1110	12818	9901.905	77%	10.48	1223.499
	85°F	11600	8990	78%	11.40	1017	12064	9350	78%	11.27	1070.65	12296	9529.4	78%	10.91	1127	12992	10068.8	78%	10.46	1242.518
	90°F	11252	8748.43	78%	10.95	1027	11716	9109	78%	10.83	1081.575	11948	9289.57	78%	10.49	1139	12644	9830.71	78%	10.07	1255.196
	95°F	10904	8505.12	78%	10.51	1038	11368	8867	78%	10.41	1092.5	11600	9048	78%	10.09	1150	12296	9590.88	78%	9.70	1267.875
	100°F	10614	8305.46	78%	9.98	1064	11078	8669	78%	9.89	1119.813	11310	8850.08	78%	9.59	1179	12006	9394.695	78%	9.24	1299.572
105°F	10324	8104.34	79%	9.47	1090	10788	8469	79%	9.40	1147.125	11020	8650.7	79%	9.13	1208	11716	9197.06	79%	8.80	1331.269	
110°F	10150	7993.13	79%	9.10	1116	10614	8359	79%	9.04	1174.438	10846	8541.23	79%	8.77	1236	11542	9089.325	79%	8.47	1362.966	
115°F	9976	7881.04	79%	8.74	1142	10440	8248	79%	8.69	1201.75	10672	8430.88	79%	8.44	1265	11368	8980.72	79%	8.15	1394.663	
118°F	9570	7584.23	79%	8.35	1146	10034	7952	79%	8.16	1229.063	10266	8135.81	79%	7.94	1294	10962	8687.385	79%	7.69	1426.359	
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 - Coeffecient of Performance

EXTENDED RATINGS			DHH09ESA3IL, DXH09ESA3IL Indoor / OutdoorIndoor / Outdoor										
HEATING PERFORMANCE													
Outdoor Ambient Temperature			Return Air Temperature										
			70°F (DB)			75°F (DB)			80°F (DB)			90°F (DB)	
MAX OUTPUT*	DB	WB	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)
	-22°F	-22.5°F											
	-20°F	-20.5°F											
	-15°F	-16°F	7714	1.88	1201	7448	1.78	1225	7375	1.73	1250	6916	1.59
	-10°F	-11°F	8180	1.98	1213	7914	1.87	1238	7853	1.82	1262	7382	1.68
	-5°F	-6°F	8645	2.07	1226	8379	1.96	1250	8331	1.91	1275	7847	1.77
	0°F	-1°F	9044	2.12	1251	8778	2.02	1276	8741	1.97	1301	8246	1.82
	5°F	3°F	9443	2.17	1276	9177	2.07	1302	9151	2.02	1328	8645	1.87
	10°F	8°F	9975	2.25	1302	9709	2.14	1328	9697	2.10	1355	9177	1.95
	15°F	13°F	10175	2.27	1315	10175	2.22	1342	10175	2.18	1369	9643	2.02
	17°F	15°F	10374	2.29	1329	10640	2.30	1355	10653	2.26	1382	10108	2.10
	20°F	17°F	10906	2.36	1356	10640	2.25	1383	10653	2.21	1411	10108	2.06
	25°F	22°F	11305	2.39	1384	11039	2.29	1411	11063	2.25	1439	10507	2.10
	30°F	27°F	11505	2.41	1398	11239	2.31	1426	11268	2.27	1454	10707	2.12
	35°F	33°F	11704	2.43	1412	11438	2.33	1440	11473	2.29	1469	10906	2.13
	40°F	36°F	12635	2.57	1441	12369	2.47	1469	12429	2.43	1499	11837	2.27
	45°F	41°F	13034	2.60	1470	12768	2.50	1499	12839	2.46	1529	12236	2.30
	47°F	43°F	13300	2.60	1500	13034	2.50	1530	13112	2.46	1561	12502	2.30
	50°F	46°F	13167	2.56	1508	12901	2.46	1538	12975	2.42	1568	12369	2.27
	55°F	50°F	13034	2.52	1515	12768	2.42	1545	12839	2.39	1576	12236	2.23
	60°F	55°F	12901	2.47	1530	12635	2.37	1561	12702	2.34	1592	12103	2.18
	65°F	60°F	12635	2.52	1470	12369	2.42	1499	12429	2.38	1529	11837	2.22
	70°F	64°F	12502	2.51	1463	12236	2.40	1492	12292	2.37	1522	11704	2.21
	75°F	69°F	12369	2.49	1455	12103	2.39	1484.1	12156	2.35	1514	11571	2.20
	80°F	74°F											
	86°F	80°F											

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