



Std. Ducted Air Handler & Std. Heat Pump Condenser Capacity Performance Chart AHD/EHPD Systems

AHD & STANDARD HEAT CONDENSER (EHPD) HEATING PERFORMANCE CHART

Model	Thermostat Setting	System Output	Outdoor Temperature																			
			-22°F	-13°F	-4°F	0°F	5°F	14°F	17°F	22°F	27°F	32°F	35°F	37°F	42°F	44.6°F	47°F	52°F	57°F	59°F	62°F	64.4°F
ACiQ-12-AHD & ACiQ-12-EHPD	70°F (21.1°C)	BTU	--	7367	9175	10154	11379	12318	12631	13478	14324	15170	15678	16259	17712	18293	19165	18052	16939	16494	15826	15381
		% of Nominal Capacity	--	61%	76%	85%	95%	103%	105%	112%	119%	126%	131%	135%	148%	152%	160%	150%	141%	137%	132%	128%
ACiQ-18-AHD & ACiQ-18-EHPD	70°F (21.1°C)	BTU		7367	9175	10154	11379	12318	12631	13478	14324	15170	15678	16259	17712	18293	19165	18052	16939	16494	15826	15381
		% of Nominal Capacity	--	41%	51%	56%	63%	68%	70%	75%	80%	84%	87%	90%	98%	102%	106%	100%	94%	92%	88%	85%
ACiQ-24-AHD & ACiQ-24-EHPD	70°F (21.1°C)	BTU	--	14174	16963	19394	22433	23988	24506	24440	24373	24306	24266	25210	27570	28514	29930	27788	25647	24790	23505	22649
		% of Nominal Capacity	--	59%	71%	81%	93%	100%	102%	102%	102%	101%	101%	105%	115%	119%	125%	116%	107%	103%	98%	94%
ACiQ-30-AHD & ACiQ-30-EHPD	70°F (21.1°C)	BTU	--	12205	15521	17226	19356	20656	21090	21437	21785	22133	22342	23978	28068	29704	32158	29321	26483	25348	23646	22511
		% of Nominal Capacity	--	41%	52%	57%	65%	69%	70%	71%	73%	74%	74%	80%	94%	99%	107%	98%	88%	84%	79%	75%
ACiQ-36-AHD & ACiQ-36-EHPD	70°F (21.1°C)	BTU	--	18053	22765	24431	26515	26220	26122	26758	27394	28030	28412	30557	35921	38067	41285	40081	38877	38395	37672	37191
		% of Nominal Capacity	--	50%	63%	68%	74%	73%	73%	74%	76%	78%	79%	85%	100%	106%	115%	111%	108%	107%	105%	103%
ACiQ-48-AHD & ACiQ-48-EHPD	70°F (21.1°C)	BTU	--	32530	35908	39127	43125	41271	40644	37947	35251	32554	30937	34031	41766	44860	49501	48330	47159	46691	45988	45519
		% of Nominal Capacity	--	68%	75%	82%	90%	86%	85%	79%	73%	68%	64%	71%	87%	93%	103%	101%	98%	97%	96%	95%
ACiQ-60-AHD & ACiQ-60-EHPD	70°F (21.1°C)	BTU	--	30783	35597	38204	41463	43871	44673	43884	43094	42305	41831	44256	50320	52745	56383	56561	56739	56810	56916	56987
		% of Nominal Capacity	--	57%	66%	71%	77%	81%	83%	81%	80%	78%	77%	82%	93%	98%	104%	105%	105%	105%	105%	106%

AHD & STANDARD HEAT CONDENSER (EHPD) COOLING PERFORMANCE CHART

Model	Thermostat Setting	System Output	Outdoor Temperature																			
			-22°F	-13°F	-4°F	0°F	5°F	14°F	17°F	23°F	35°F	47°F	59°F	68°F	77°F	82°F	86°F	95°F	104°F	110°F	115°F	122°F
ACiQ-12-AHD & ACiQ-12-EHPD	80°F (26.7°C)	BTU	--	17095	18410	18994	19725	21071	21519	21585	21717	17480	17684	17837	17991	18359	19013	20482	17565	15815	13127	9543
		% of Nominal Capacity	--	142%	153%	158%	164%	176%	179%	180%	181%	146%	147%	149%	150%	153%	158%	171%	146%	132%	109%	80%
ACiQ-18-AHD & ACiQ-18-EHPD	80°F (26.7°C)	BTU	--	17095	18410	18994	19725	21071	21519	21585	21717	17480	17684	17837	17991	18359	19013	20482	17565	15815	13127	9543
		% of Nominal Capacity	--	95%	102%	106%	110%	117%	120%	120%	121%	97%	98%	99%	100%	102%	106%	114%	98%	88%	73%	53%
ACiQ-24-AHD & ACiQ-24-EHPD	80°F (26.7°C)	BTU	--	21845	23525	24272	25205	25087	25048	24703	24012	22878	22611	22411	22210	22819	24214	27352	25601	24550	20904	16043
		% of Nominal Capacity	--	91%	98%	101%	105%	105%	104%	103%	100%	95%	94%	93%	93%	95%	101%	114%	107%	102%	87%	67%
ACiQ-30-AHD & ACiQ-30-EHPD	80°F (26.7°C)	BTU	--	29695	31979	32994	34263	34171	34140	33790	33090	32561	33927	34951	35976	36019	35391	33977	31243	29603	23129	14498
		% of Nominal Capacity	--	99%	107%	110%	114%	114%	114%	113%	110%	109%	113%	117%	120%	120%	118%	113%	104%	99%	77%	48%
ACiQ-36-AHD & ACiQ-36-EHPD	80°F (26.7°C)	BTU	--	35896	38657	39884	41418	42943	43452	43377	43227	31745	33178	34253	35328	36109	36968	38900	34607	32032	26415	18926
		% of Nominal Capacity	--	100%	107%	111%	115%	119%	121%	120%	120%	88%	92%	95%	98%	100%	103%	108%	96%	89%	73%	53%
ACiQ-48-AHD & ACiQ-48-EHPD	80°F (26.7°C)	BTU	--	46112	49660	51236	53207	54056	54340	53048	50463	47485	49154	50406	51658	51800	51213	49894	44974	42022	37005	30316
		% of Nominal Capacity	--	96%	103%	107%	111%	113%	113%	111%	105%	99%	102%	105%	108%	108%	107%	104%	94%	88%	77%	63%
ACiQ-60-AHD & ACiQ-60-EHPD	80°F (26.7°C)	BTU	--	50223	54086	55803	57949	59469	59976	58443	55377	55309	57125	58488	59851	59648	58276	55189	46857	41858	37878	32571
		% of Nominal Capacity	--	93%	100%	103%	107%	110%	111%	108%	103%	102%	106%	108%	111%	110%	108%	102%	87%	78%	70%	60%



Std. Ducted Air Handler & Ext. Heat Pump Condenser Capacity Performance Chart AHD/HPD Systems

AHD & EXTREME HEAT CONDENSER (HPD) HEATING PERFORMANCE CHART

Model	Thermostat Setting	System Output	Outdoor Temperature																			
			-22°F	-13°F	-4°F	0°F	5°F	14°F	17°F	22°F	27°F	32°F	35°F	37°F	42°F	44.6°F	47°F	52°F	57°F	59°F	62°F	64.4°F
ACiQ-18-AHD & ACiQ-18-HPD	70°F (21.1°C)	BTU	11229	14133	16780	18128	19813	21257	21738	21075	20413	19750	19353	19825	21007	21479	22188	20181	18174	17371	16167	15364
		% of Nominal Capacity	62%	79%	93%	101%	110%	118%	121%	117%	113%	110%	108%	110%	117%	119%	123%	112%	101%	97%	90%	85%
ACiQ-24-AHD & ACiQ-24-HPD	70°F (21.1°C)	BTU	12099	14463	17309	19790	22891	24478	25007	24938	24870	24802	24761	25724	28133	29096	30541	28355	26169	25295	23984	23109
		% of Nominal Capacity	50%	60%	72%	82%	95%	102%	104%	104%	104%	103%	103%	107%	117%	121%	127%	118%	109%	105%	100%	96%
ACiQ-30-AHD & ACiQ-30-HPD	70°F (21.1°C)	BTU	20066	23382	28190	30456	33287	36648	37768	35774	33779	31785	30588	31901	35183	36495	38464	34844	31224	29776	27604	26156
		% of Nominal Capacity	67%	78%	94%	102%	111%	122%	126%	119%	113%	106%	102%	106%	117%	122%	128%	116%	104%	99%	92%	87%
ACiQ-36-AHD & ACiQ-36-HPD	70°F (21.1°C)	BTU	27944	30986	35662	38274	41538	41661	41701	43788	45875	47962	49215	49041	48606	48432	48171	47183	46196	45801	45208	44813
		% of Nominal Capacity	78%	86%	99%	106%	115%	116%	116%	122%	127%	133%	137%	136%	135%	135%	134%	131%	128%	127%	126%	124%
ACiQ-42-AHD & ACiQ-42-HPD	70°F (21.1°C)	BTU	25870	34185	40674	43419	46850	48798	49447	47426	45405	43384	42171	44685	50970	53484	57255	54164	51072	49836	47981	46744
		% of Nominal Capacity	62%	81%	97%	103%	112%	116%	118%	113%	108%	103%	100%	106%	121%	127%	136%	129%	122%	119%	114%	111%
ACiQ-48-AHD & ACiQ-48-HPD	70°F (21.1°C)	BTU	25870	34185	40674	43419	46850	48798	49447	47426	45405	43384	42171	44685	50970	53484	57255	54164	51072	49836	47981	46744
		% of Nominal Capacity	54%	71%	85%	90%	98%	102%	103%	99%	95%	90%	88%	93%	106%	111%	119%	113%	106%	104%	100%	97%
ACiQ-60-AHD & ACiQ-60-HPD	70°F (21.1°C)	BTU	30882	41609	46714	50053	54228	57356	58398	57215	56032	54848	54138	55870	60199	61930	64528	63923	63317	63075	62712	62470
		% of Nominal Capacity	57%	77%	87%	93%	100%	106%	108%	106%	104%	102%	100%	103%	111%	115%	119%	118%	117%	117%	116%	116%

AHD & EXTREME HEAT CONDENSER (HPD) COOLING PERFORMANCE CHART

Model	Thermostat Setting	System Output	Outdoor Temperature																			
			-22°F	-13°F	-4°F	0°F	5°F	14°F	17°F	23°F	35°F	47°F	59°F	68°F	77°F	82°F	86°F	95°F	104°F	110°F	115°F	122°F
ACiQ-18-AHD & ACiQ-18-HPD	80°F (26.7°C)	BTU	18952	20531	22110	22812	23690	22001	21438	20845	19660	20561	21642	22453	23264	23464	23309	22959	20394	18855	17338	15316
		% of Nominal Capacity	105%	114%	123%	127%	132%	122%	119%	116%	109%	114%	120%	125%	129%	130%	129%	128%	113%	105%	96%	85%
ACiQ-24-AHD & ACiQ-24-HPD	80°F (26.7°C)	BTU	20576	22290	24005	24767	25720	25599	25559	25207	24502	23345	23072	22868	22664	23285	24708	27910	26123	25051	21331	16371
		% of Nominal Capacity	86%	93%	100%	103%	107%	107%	106%	105%	102%	97%	96%	95%	94%	97%	103%	116%	109%	104%	89%	68%
ACiQ-30-AHD & ACiQ-30-HPD	80°F (26.7°C)	BTU	30398	32931	35464	36590	37997	45246	47662	47454	47038	32793	34009	34920	35832	36476	37164	38712	34770	32404	27640	21287
		% of Nominal Capacity	101%	110%	118%	122%	127%	151%	159%	158%	157%	109%	113%	116%	119%	122%	124%	129%	116%	108%	92%	71%
ACiQ-36-AHD & ACiQ-36-HPD	80°F (26.7°C)	BTU	31835	34488	37141	38320	39794	44464	46021	47252	49713	38818	39523	40052	40580	40969	41400	42370	39012	36996	31837	24959
		% of Nominal Capacity	88%	96%	103%	106%	111%	124%	128%	131%	138%	108%	110%	111%	113%	114%	115%	118%	108%	103%	88%	69%
ACiQ-42-AHD & ACiQ-42-HPD	80°F (26.7°C)	BTU	41206	44640	48074	49600	51508	53396	54026	56097	60239	41497	42857	43878	44899	45990	47524	50975	45512	42234	37190	30465
		% of Nominal Capacity	98%	106%	114%	118%	123%	127%	129%	134%	143%	99%	102%	104%	107%	110%	113%	121%	108%	101%	89%	73%
ACiQ-48-AHD & ACiQ-48-HPD	80°F (26.7°C)	BTU	41206	44640	48074	49600	51508	53396	54026	56097	60239	41497	42857	43878	44899	45990	47524	50975	45512	42234	37190	30465
		% of Nominal Capacity	86%	93%	100%	103%	107%	111%	113%	117%	125%	86%	89%	91%	94%	96%	99%	106%	95%	88%	77%	63%
ACiQ-60-AHD & ACiQ-60-HPD	80°F (26.7°C)	BTU	45975	49806	53637	55340	57468	57292	57233	56306	54452	52985	52634	52372	52109	52574	53717	56290	52889	50848	43915	34671
		% of Nominal Capacity	85%	92%	99%	102%	106%	106%	106%	104%	101%	98%	97%	97%	96%	97%	99%	104%	98%	94%	81%	64%



Premium Ducted Air Handler & Ext. Heat Pump Condenser Capacity Performance Chart PAH/HPD Systems

PAH & EXTREME HEAT CONDENSER (HPD) HEATING PERFORMANCE CHART

Model	Thermostat Setting	System Output	Outdoor Temperature																			
			-22°F	-13°F	-4°F	0°F	5°F	14°F	17°F	22°F	27°F	32°F	35°F	37°F	42°F	44.6°F	47°F	52°F	57°F	59°F	62°F	64.4°F
ACiQ-18-PAH & ACiQ-18-HPD	70°F (21.1°C)	BTU	11928	14214	16514	17735	19261	19517	19602	19612	19623	19633	19639	20219	12668	22247	23116	20992	18867	18018	16743	15893
		% of Nominal Capacity	66%	79%	92%	99%	107%	108%	109%	109%	109%	109%	109%	112%	120%	124%	128%	117%	105%	100%	93%	88%
ACiQ-24-PAH & ACiQ-24-HPD	70°F (21.1°C)	BTU	12297	14948	17927	19496	21458	25665	27067	26479	25890	25302	24949	25634	27349	28035	29063	27324	25585	24890	23846	23150
		% of Nominal Capacity	51%	62%	75%	81%	89%	107%	113%	110%	108%	105%	104%	107%	114%	117%	121%	114%	107%	104%	99%	96%
ACiQ-30-PAH & ACiQ-30-HPD	70°F (21.1°C)	BTU	18551	24300	27252	29911	33236	26616	24409	26152	27895	29638	30684	31529	33640	34485	35752	32080	28408	26939	24736	23267
		% of Nominal Capacity	62%	81%	91%	100%	111%	89%	81%	87%	93%	99%	102%	105%	112%	115%	119%	107%	95%	90%	82%	78%
ACiQ-36-PAH & ACiQ-36-HPD	70°F (21.1°C)	BTU	27729	35324	37170	37733	38436	41993	43179	44086	44993	45900	46444	46560	46850	46966	47140	46325	45510	45185	44696	44370
		% of Nominal Capacity	77%	98%	103%	105%	107%	117%	120%	122%	125%	128%	129%	129%	130%	130%	131%	129%	126%	126%	124%	123%
ACiQ-48-PAH & ACiQ-48-HPD	70°F (21.1°C)	BTU	30363	36160	43387	45583	48328	48361	48372	49061	49750	50439	50852	51289	52379	52815	53469	51231	48992	48096	46753	45857
		% of Nominal Capacity	63%	75%	90%	95%	101%	101%	101%	102%	104%	105%	106%	107%	109%	110%	111%	107%	102%	100%	97%	96%
ACiQ-60-PAH & ACiQ-60-HPD	70°F (21.1°C)	BTU	37307	44322	49989	53030	56830	54919	54282	53233	52185	51137	50508	52031	55840	57363	59649	57017	54386	53334	51755	50702
		% of Nominal Capacity	69%	82%	93%	98%	105%	102%	101%	99%	97%	95%	94%	96%	103%	106%	110%	106%	101%	99%	96%	94%

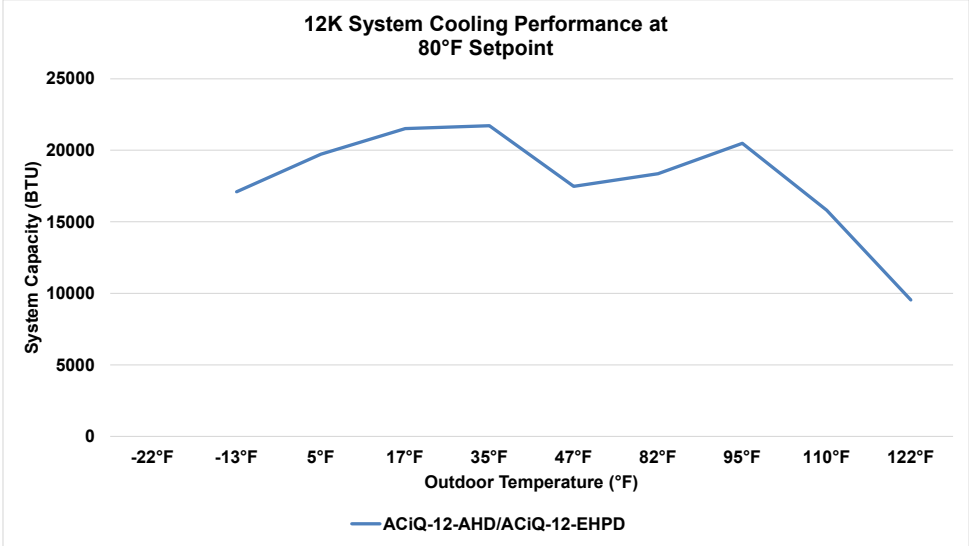
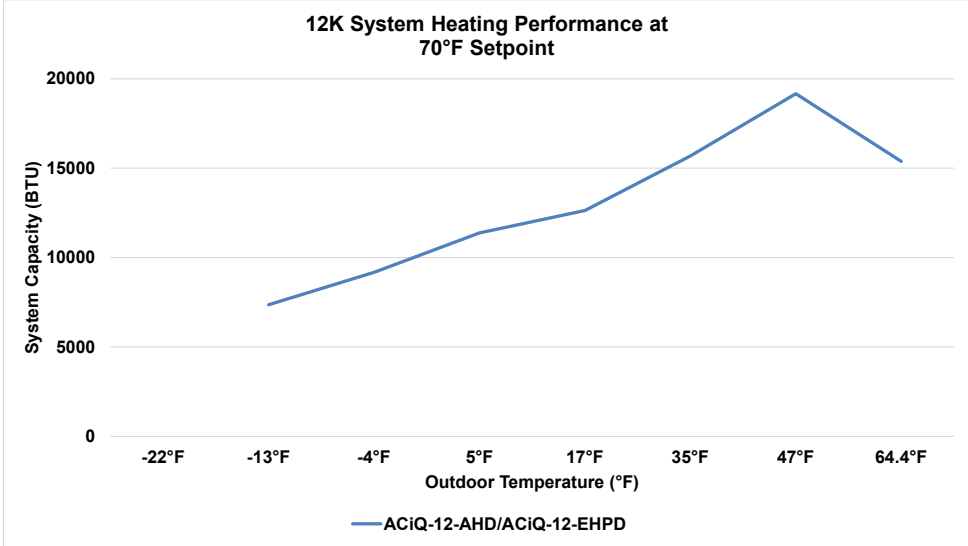
PAH & EXTREME HEAT CONDENSER (HPD) COOLING PERFORMANCE CHART

Model	Thermostat Setting	System Output	Outdoor Temperature																			
			-22°F	-13°F	-4°F	0°F	5°F	14°F	17°F	23°F	35°F	47°F	59°F	68°F	77°F	82°F	86°F	95°F	104°F	110°F	115°F	122°F
ACiQ-18-PAH & ACiQ-18-HPD	80°F (26.7°C)	BTU	18766	20330	21894	22589	23458	22357	21990	21902	21724	18295	20169	21574	22980	23414	23323	23120	19868	17916	16330	14214
		% of Nominal Capacity	104%	113%	122%	125%	130%	124%	122%	122%	121%	102%	112%	120%	128%	130%	130%	128%	110%	100%	91%	79%
ACiQ-24-PAH & ACiQ-24-HPD	80°F (26.7°C)	BTU	20087	21761	23435	24179	25109	26578	27067	26446	25204	21212	21714	22090	22466	23381	25004	28654	25590	23751	21169	17725
		% of Nominal Capacity	84%	91%	98%	101%	105%	111%	113%	110%	105%	88%	90%	92%	94%	97%	104%	119%	107%	99%	88%	74%
ACiQ-30-PAH & ACiQ-30-HPD	80°F (26.7°C)	BTU	33934	36762	39590	40847	42418	45218	46151	46586	47458	38218	36822	35775	34728	35096	36586	39941	35465	32779	27581	20649
		% of Nominal Capacity	113%	123%	132%	136%	141%	151%	154%	155%	158%	127%	123%	119%	116%	117%	122%	133%	118%	109%	92%	69%
ACiQ-36-PAH & ACiQ-36-HPD	80°F (26.7°C)	BTU	35228	38164	41100	42404	44035	39260	37668	42484	52115	41057	39883	39002	38121	38490	39868	42967	40191	38525	32512	24495
		% of Nominal Capacity	98%	106%	114%	118%	122%	109%	105%	118%	145%	114%	111%	108%	106%	107%	111%	119%	112%	107%	90%	68%
ACiQ-48-PAH & ACiQ-48-HPD	80°F (26.7°C)	BTU	39841	43161	46481	47957	49802	51329	51839	54839	60839	56008	52350	49606	46863	46754	48454	52279	48080	45560	40087	32789
		% of Nominal Capacity	83%	90%	97%	100%	104%	107%	108%	114%	127%	117%	109%	103%	98%	97%	101%	109%	100%	95%	84%	68%
ACiQ-60-PAH & ACiQ-60-HPD	80°F (26.7°C)	BTU	43526	47153	50781	52393	54408	56301	56933	58791	62508	52118	53856	55160	56463	57499	58722	61474	56256	53125	44816	33738
		% of Nominal Capacity	81%	87%	94%	97%	101%	104%	105%	109%	116%	97%	100%	102%	105%	106%	109%	114%	104%	98%	83%	62%

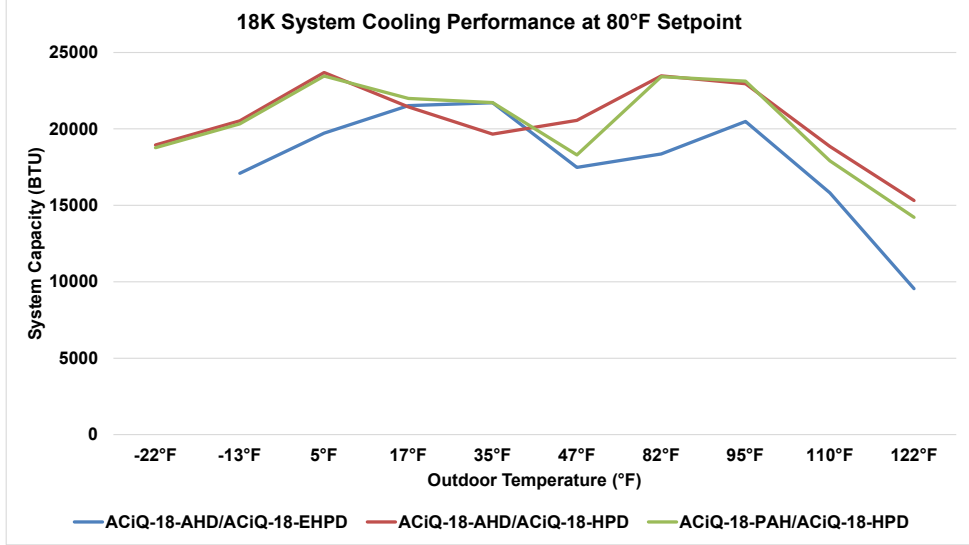
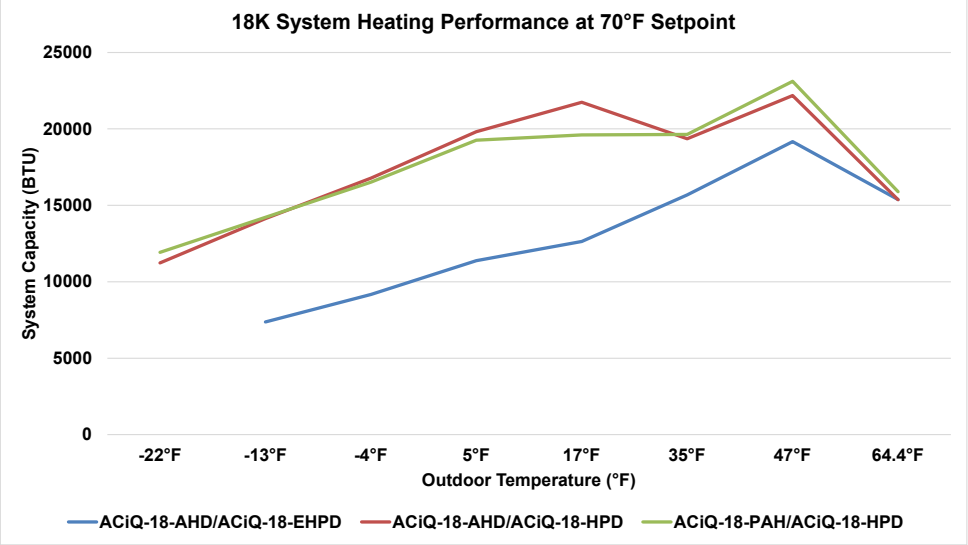


Ducted Air Handler & Heat Pump Condenser
Performance Comparison Line Charts

12K Systems (Only available with AHD/EHPD)

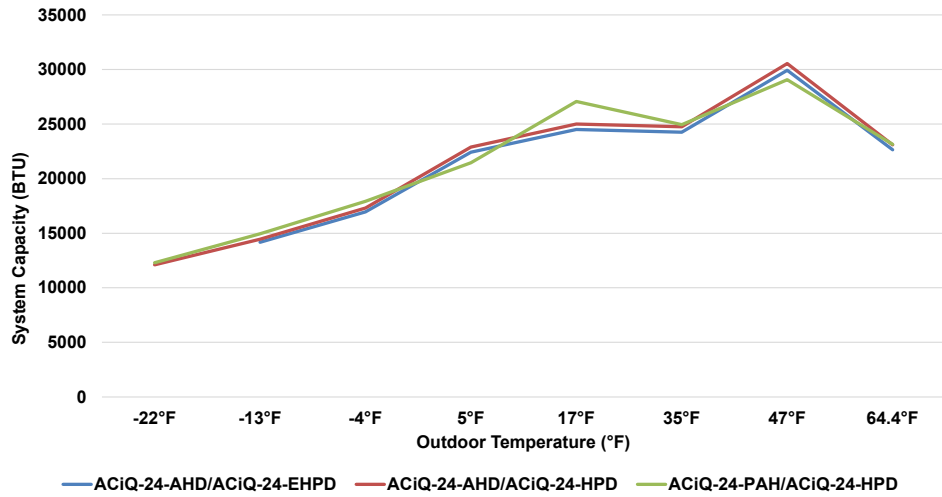


18K Systems (AHD/EHPD, AHD/HPD, PAH/HPD)

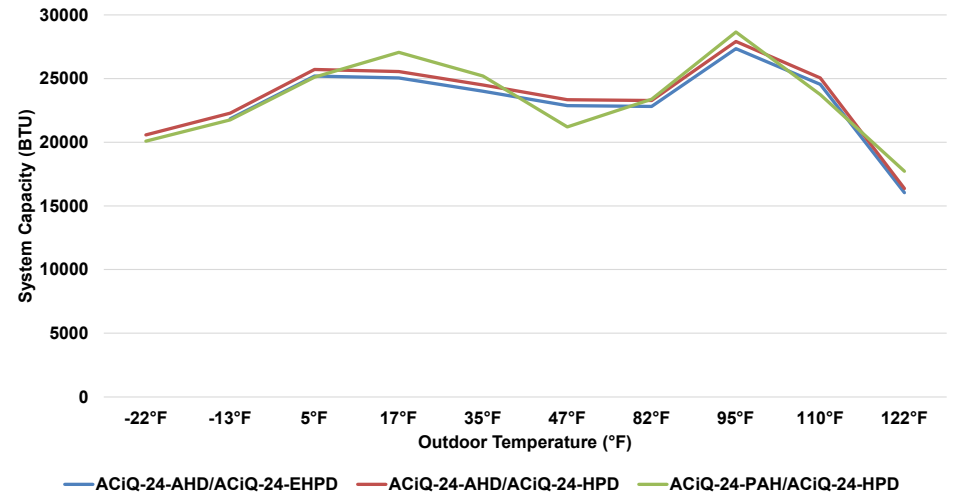


24K Systems (AHD/EHPD, AHD/HPD, PAH/HPD)

24K System Heating Performance at 70°F Setpoint

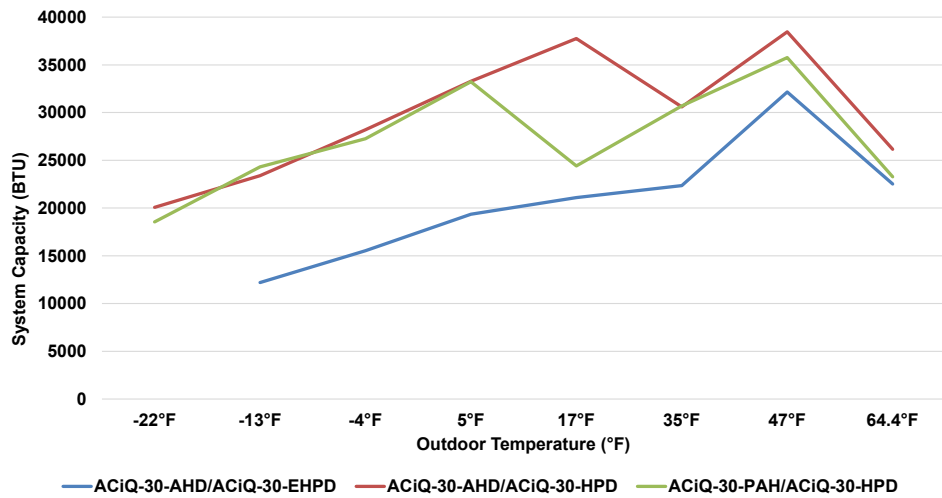


24K System Cooling Performance at 80°F Setpoint

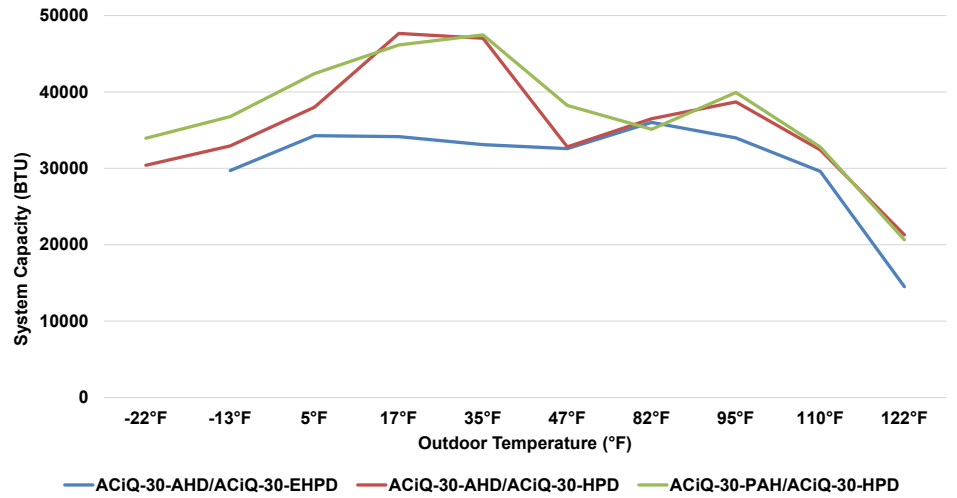


30K Systems (AHD/EHPD, AHD/HPD, PAH/HPD)

30K System Heating Performance at 70°F Setpoint

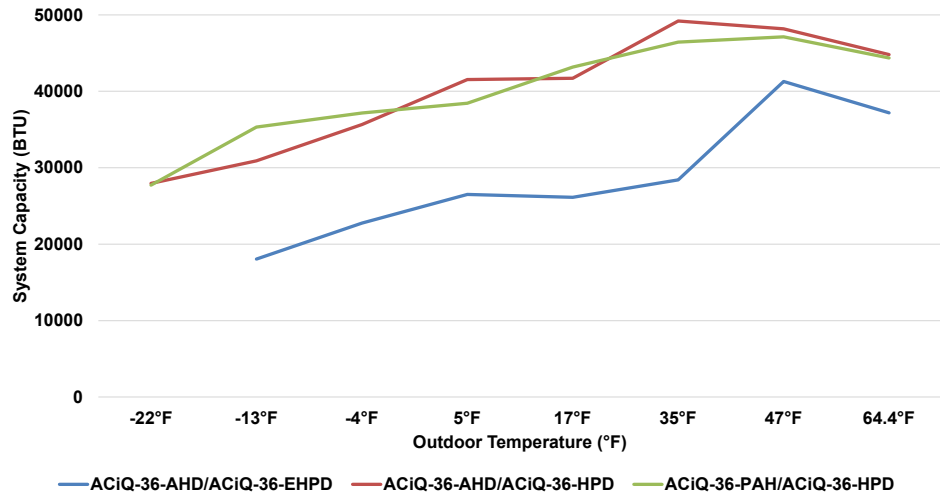


30K System Cooling Performance at 80°F Setpoint

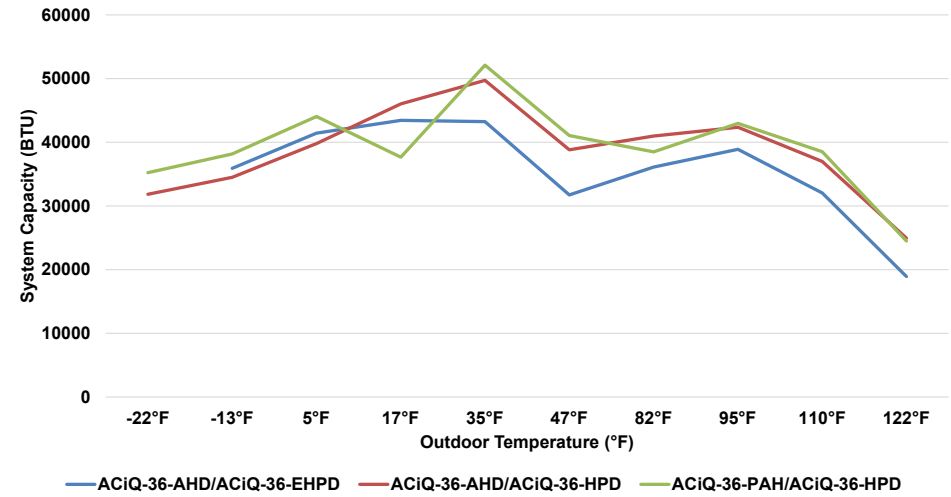


36K Systems (AHD/EHPD, AHD/HPD, PAH/HPD)

36K System Heating Performance at 70°F Setpoint

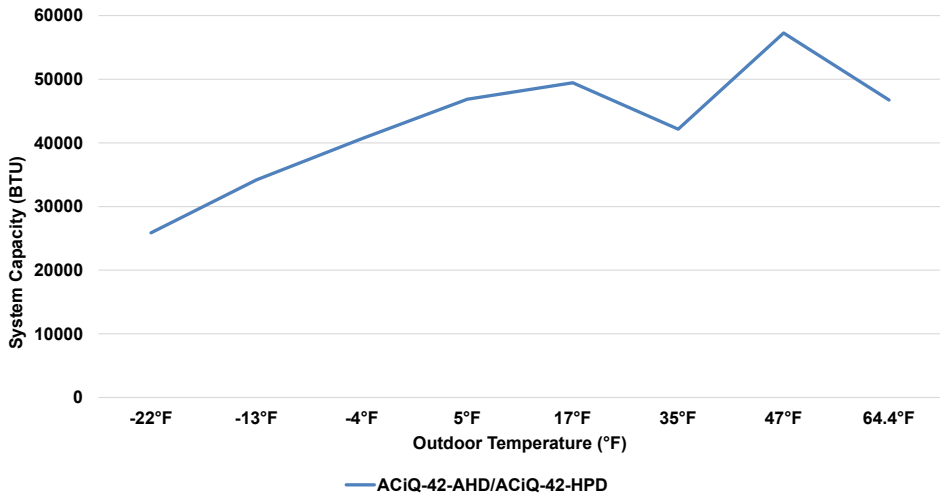


36K System Cooling Performance at 80°F Setpoint

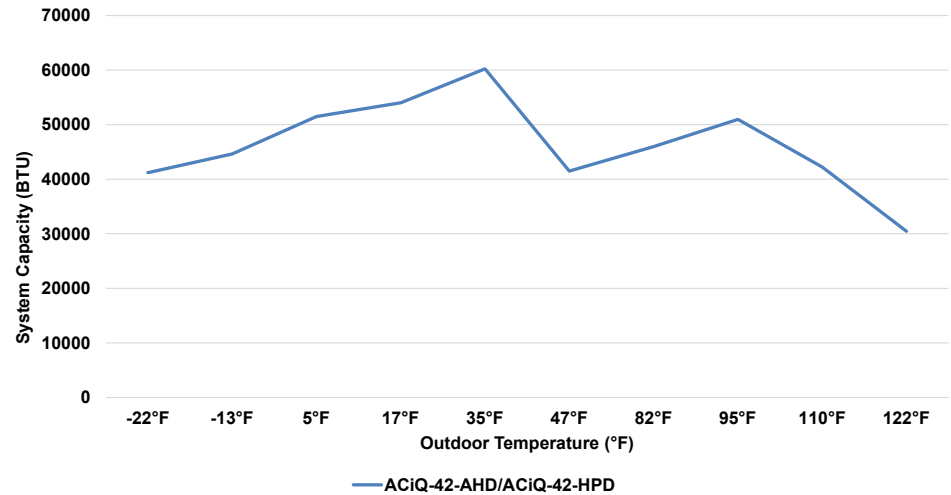


42K Systems (Only available with Ext. Heat)

42K System Heating Performance at 70°F Setpoint

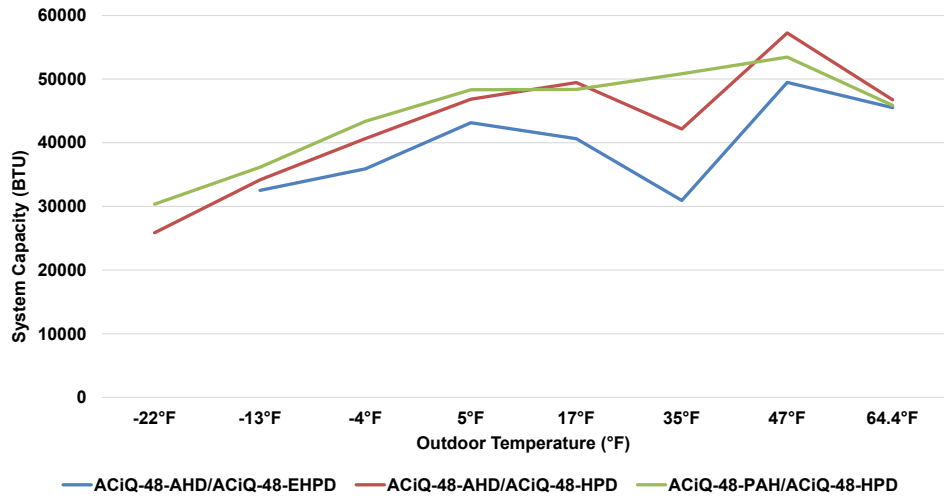


42K System Cooling Performance at 80°F Setpoint

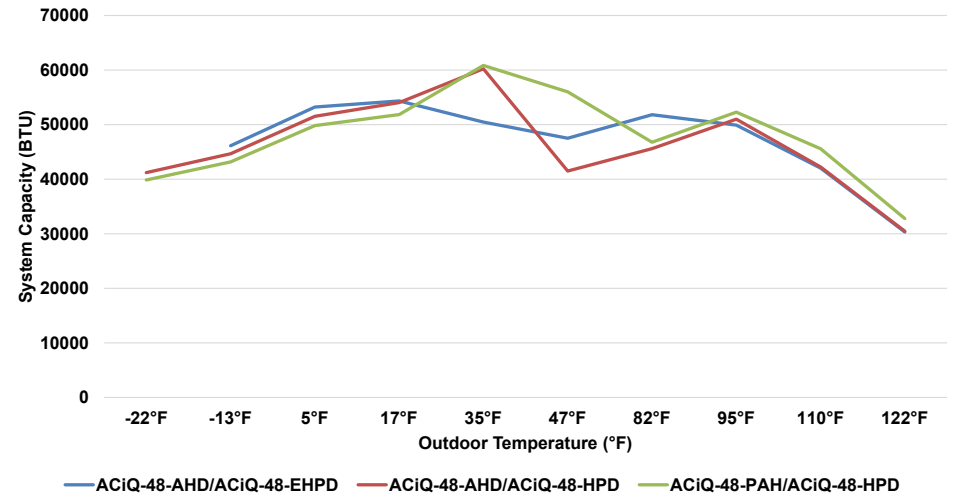


48K Systems (AHD/EHPD, AHD/HPD, PAH/HPD)

48K System Heating Performance at 70°F Setpoint

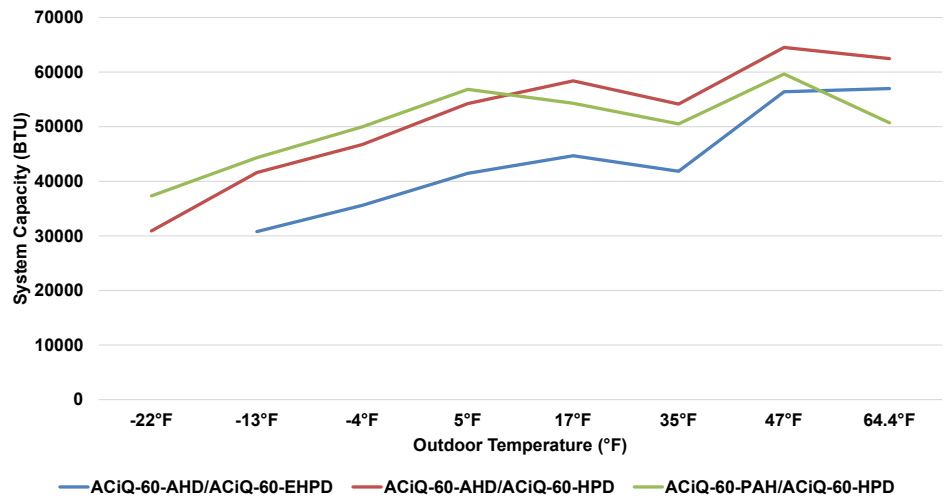


48K System Cooling Performance at 80°F Setpoint



60K Systems (AHD/EHPD, AHD/HPD, PAH/HPD)

60K System Heating Performance at 70°F Setpoint



60K System Cooling Performance at 80°F Setpoint

