



Evaporator A-Coils & Std. Heat Pump Condenser
Nominal Capacity Performance Chart (ACL-B/ACL-14-B/ACL-17-B & EHPD Systems)

A-COILS & 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	69.8°F	75.2°F
ACiQ-24-ACL-B / ACiQ-24-ACL-14-B & ACiQ-18-EHPD	70°F (21.1°C)	BTU	--	8697	10260	11070	12082	13804	14378	14713	15047	15382	15583	16396	18431	19245	20465	19112	17760	17219	16407	15866	14245	12829
		% of Nominal Capacity	--	48%	57%	62%	67%	77%	80%	82%	84%	85%	87%	91%	102%	107%	114%	106%	99%	96%	91%	88%	79%	71%
ACiQ-24-ACL-B / ACiQ-24-ACL-14-B & ACiQ-24-EHPD	70°F (21.1°C)	BTU	--	15972	18967	20243	21837	22914	23273	23317	23360	23404	23430	24552	27355	28477	30159	28670	27182	26587	25694	25099	22605	20762
		% of Nominal Capacity	--	67%	79%	84%	91%	95%	97%	97%	97%	98%	98%	102%	114%	119%	126%	119%	113%	111%	107%	105%	94%	87%
ACiQ-36-ACL-B / ACiQ-36-ACL-17-B & ACiQ-30-EHPD	70°F (21.1°C)	BTU	--	15525	18009	19255	20813	23633	24573	24411	24249	24087	23990	25392	28898	30300	32404	29416	26429	25234	23441	22007	22233	23498
		% of Nominal Capacity	--	52%	60%	64%	69%	79%	82%	81%	81%	80%	80%	85%	96%	101%	108%	98%	88%	84%	78%	73%	74%	78%
ACiQ-36-ACL-B / ACiQ-36-ACL-17-B & ACiQ-36-EHPD	70°F (21.1°C)	BTU	--	21081	25682	26639	27835	29891	30577	29051	27525	25999	25084	27968	35178	38061	42387	42480	42573	42610	42665	42710	44055	34681
		% of Nominal Capacity	--	59%	71%	74%	77%	83%	85%	81%	76%	72%	70%	78%	98%	106%	118%	118%	118%	118%	119%	119%	122%	96%
ACiQ-48-ACL-B & ACiQ-48-EHPD	70°F (21.1°C)	BTU	--	33691	40175	41534	43233	39212	37872	38039	38206	38373	38474	40591	45886	48003	51180	48921	46661	45758	44402	43317	40877	38437
		% of Nominal Capacity	--	70%	84%	87%	90%	82%	79%	79%	80%	80%	80%	85%	96%	100%	107%	102%	97%	95%	93%	90%	85%	80%
ACiQ-48-ACL-B & ACiQ-60-EHPD	70°F (21.1°C)	BTU	--	28268	33052	35504	38570	41983	43121	42146	41170	40195	39610	41411	45913	47714	50416	50277	50139	50084	50001	49935	46710	41923
		% of Nominal Capacity	--	47%	55%	59%	64%	70%	72%	70%	69%	67%	66%	69%	77%	80%	84%	84%	84%	83%	83%	83%	78%	70%
ACiQ-60-ACL-B & ACiQ-48-EHPD	70°F (21.1°C)	BTU	--	34447	38316	40561	43368	46767	47900	41792	35685	29578	25914	30090	40530	44706	50970	49303	47635	46969	45968	45168	43368	41567
		% of Nominal Capacity	--	72%	80%	85%	90%	97%	100%	87%	74%	62%	54%	63%	84%	93%	106%	103%	99%	98%	96%	94%	90%	87%
ACiQ-60-ACL-B & ACiQ-60-EHPD	70°F (21.1°C)	BTU	--	28279	33949	35537	37523	40091	40947	40830	40712	40595	40524	42240	46529	48245	50818	49643	48467	47997	47292	46727	47563	40173
		% of Nominal Capacity	--	47%	57%	59%	63%	67%	68%	68%	68%	68%	68%	70%	78%	80%	85%	83%	81%	80%	79%	78%	79%	67%
A-COILS & 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	41°F	47°F	50°F	59°F	68°F	77°F	82°F	86°F	95°F	104°F	110°F	115°F	122°F
ACiQ-24-ACL-B / ACiQ-24-ACL-14-B & ACiQ-18-EHPD	80°F (26.7°C)	BTU	--	20059	20559	20781	21059	21489	21632	22144	23167	22183	21199	21270	21484	21697	21911	21952	21886	21738	18330	16285	14611	12379
		% of Nominal Capacity	--	111%	114%	115%	117%	119%	120%	123%	129%	123%	118%	118%	119%	121%	122%	122%	122%	121%	102%	90%	81%	69%
ACiQ-24-ACL-B / ACiQ-24-ACL-14-B & ACiQ-24-EHPD	80°F (26.7°C)	BTU	--	25440	26173	26499	26907	27165	27252	27187	27057	24947	22837	23001	23494	23987	24481	25035	25833	27627	24710	22959	18685	12986
		% of Nominal Capacity	--	106%	109%	110%	112%	113%	114%	113%	113%	104%	95%	96%	98%	100%	102%	104%	108%	115%	103%	96%	78%	54%
ACiQ-36-ACL-B / ACiQ-36-ACL-17-B & ACiQ-30-EHPD	80°F (26.7°C)	BTU	--	33536	36116	37262	38695	37982	37744	36706	34632	33970	33308	32828	31388	29948	28508	28763	30299	33755	33102	32711	25268	15344
		% of Nominal Capacity	--	112%	120%	124%	129%	127%	126%	122%	115%	113%	111%	109%	105%	100%	95%	96%	101%	113%	110%	109%	84%	51%
ACiQ-36-ACL-B / ACiQ-36-ACL-17-B & ACiQ-36-EHPD	80°F (26.7°C)	BTU	--	37341	40214	41491	43086	43899	44169	43931	43454	42753	42052	41185	38586	35986	33386	33366	35149	39159	35500	33305	27289	19267
		% of Nominal Capacity	--	104%	112%	115%	120%	122%	123%	122%	121%	119%	117%	114%	107%	100%	93%	93%	98%	109%	99%	93%	76%	54%
ACiQ-48-ACL-B & ACiQ-48-EHPD	80°F (26.7°C)	BTU	--	41556	44753	46173	47949	48192	48273	47649	46399	51626	56852	56558	55678	54797	53917	53026	51806	49062	46816	45468	38779	29859
		% of Nominal Capacity	--	87%	93%	96%	100%	100%	101%	99%	97%	108%	118%	118%	116%	114%	112%	110%	108%	102%	98%	95%	81%	62%
ACiQ-48-ACL-B & ACiQ-60-EHPD	80°F (26.7°C)	BTU	--	52112	56121	57903	60130	60265	60311	59513	57919	55945	53971	53547	52276	51005	49734	49392	49579	49999	46523	44438	37863	29098
		% of Nominal Capacity	--	87%	94%	97%	100%	100%	101%	99%	97%	93%	90%	89%	87%	85%	83%	82%	83%	83%	78%	74%	63%	48%
ACiQ-60-ACL-B & ACiQ-48-EHPD	80°F (26.7°C)	BTU	--	43406	46745	48229	50084	49939	49891	48917	46969	46872	46775	46940	47433	47927	48420	48501	48321	47916	37342	30998	26561	20645
		% of Nominal Capacity	--	90%	97%	100%	104%	104%	104%	102%	98%	98%	97%	98%	99%	100%	101%	101%	101%	100%	78%	65%	55%	43%
ACiQ-60-ACL-B & ACiQ-60-EHPD	80°F (26.7°C)	BTU	--	43406	46745	48229	50084	49939	49891	48917	46969	46872	46775	46940	47433	47926	48419	48801	49244	50241	46112	43635	37498	29316
		% of Nominal Capacity	--	72%	78%	80%	83%	83%	83%	82%	78%	78%	78%	78%	79%	80%	81%	81%	82%	84%	77%	73%	62%	49%



Evaporator A-Coil & Ext. Heat Pump Condenser Nominal Capacity Performance Chart (ACL-B/ACL-14-B/ACL-17-B & HPD Systems)

A-COILS & 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	69.8°F	75.2°F
ACIQ-24-ACL-B / ACIQ-24-ACL-14-B & ACIQ-18-HPD	70°F (21.1°C)	BTU	13003	15265	18841	19775	20943	22496	23014	22165	21316	20466	19957	20435	21631	22109	22826	21251	19675	19045	18100	17469	15627	14702
		% of Nominal Capacity	72%	85%	105%	110%	116%	125%	128%	123%	118%	114%	111%	114%	120%	123%	127%	118%	109%	106%	101%	97%	87%	82%
ACIQ-24-ACL-B / ACIQ-24-ACL-14-B & ACIQ-24-HPD	70°F (21.1°C)	BTU	14115	15972	18967	20243	21837	22914	23273	23317	23360	23404	23430	24552	27355	28477	30159	28670	27182	26587	25694	25099	22605	20762
		% of Nominal Capacity	59%	67%	79%	84%	91%	95%	97%	97%	97%	98%	98%	102%	114%	119%	126%	119%	113%	111%	107%	105%	94%	87%
ACIQ-36-ACL-B / ACIQ-36-ACL-17-B & ACIQ-36-HPD	70°F (21.1°C)	BTU	28589	34294	34779	35697	36846	39685	40631	41463	42295	43126	43625	44138	45419	45931	46700	44947	43194	42493	41441	40740	43489	42739
		% of Nominal Capacity	79%	95%	97%	99%	102%	110%	113%	115%	117%	120%	121%	123%	126%	128%	130%	125%	120%	118%	115%	113%	121%	119%
ACIQ-48-ACL-B & ACIQ-48-HPD	70°F (21.1°C)	BTU	31097	35870	39610	41989	44963	44329	44117	47010	49902	52795	54531	54334	53842	53645	53350	49725	46101	44651	42476	41026	--	--
		% of Nominal Capacity	65%	75%	83%	87%	94%	92%	92%	98%	104%	110%	114%	113%	112%	112%	111%	104%	96%	93%	88%	85%	--	--
ACIQ-48-ACL-B & ACIQ-60-HPD	70°F (21.1°C)	BTU	29211	37780	42202	42748	43430	46731	47831	48144	48457	48769	48957	51011	56147	58201	61282	57627	53972	52510	50317	48855	42465	41599
		% of Nominal Capacity	49%	63%	70%	71%	72%	78%	80%	80%	81%	81%	82%	85%	94%	97%	102%	96%	90%	88%	84%	81%	71%	69%
ACIQ-60-ACL-B & ACIQ-48-HPD	70°F (21.1°C)	BTU	31994	38051	43697	45387	47498	51708	53111	49255	45398	41542	39228	41547	47346	49666	53145	49027	44908	43261	40790	39142	--	--
		% of Nominal Capacity	67%	79%	91%	95%	99%	108%	111%	103%	95%	87%	82%	87%	99%	103%	111%	102%	94%	90%	85%	82%	--	--
ACIQ-60-ACL-B & ACIQ-60-HPD	70°F (21.1°C)	BTU	29449	36609	33221	38152	44316	47695	48821	48918	49015	49112	49170	51119	55991	57940	60864	57508	54152	52810	50797	49455	40859	39090
		% of Nominal Capacity	49%	61%	55%	64%	74%	79%	81%	82%	82%	82%	82%	85%	93%	97%	101%	96%	90%	88%	85%	82%	68%	65%

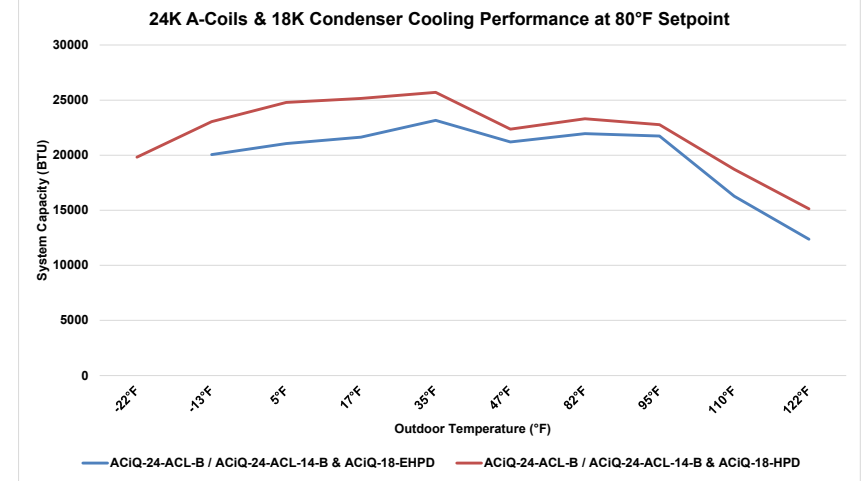
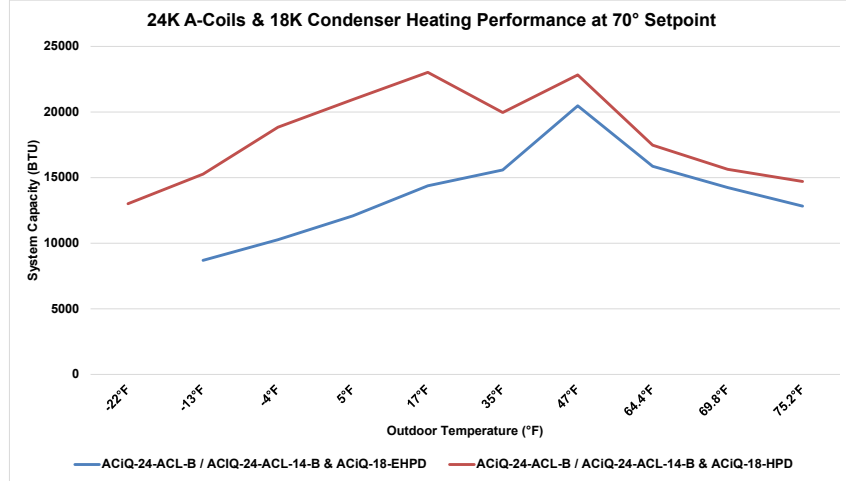
A-COILS & EXTREME HEAT CONDENSER (HPD) COOLING PERFORMANCE CHART

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	41°F	47°F	50°F	59°F	68°F	77°F	82°F	86°F	95°F	104°F	110°F	115°F	122°F
ACIQ-24-ACL-B / ACIQ-24-ACL-14-B & ACIQ-18-HPD	80°F (26.7°C)	BTU	19828	23051	23918	24303	24785	25066	25160	25430	25969	24164	22359	22452	22730	23009	23288	23303	23140	22772	20236	18715	17179	15132
		% of Nominal Capacity	110%	128%	133%	135%	138%	139%	140%	141%	144%	134%	124%	125%	126%	128%	129%	129%	129%	127%	112%	104%	95%	84%
ACIQ-24-ACL-B / ACIQ-24-ACL-14-B & ACIQ-24-HPD	80°F (26.7°C)	BTU	21526	25440	26173	26499	26907	27165	27252	27187	27057	24947	22837	23001	23494	23987	24481	25035	25833	27627	24710	22959	18685	12986
		% of Nominal Capacity	90%	106%	109%	110%	112%	113%	114%	113%	113%	104%	95%	96%	98%	100%	102%	104%	108%	115%	103%	96%	78%	54%
ACIQ-36-ACL-B / ACIQ-36-ACL-17-B & ACIQ-36-HPD	80°F (26.7°C)	BTU	36644	39697	42751	44108	45804	44364	43884	44858	46805	42712	38619	38547	38331	38114	37898	38258	39152	41162	37130	34710	29819	23297
		% of Nominal Capacity	102%	110%	119%	123%	127%	123%	122%	125%	130%	119%	107%	107%	106%	106%	105%	106%	109%	114%	103%	96%	83%	65%
ACIQ-48-ACL-B & ACIQ-48-HPD	80°F (26.7°C)	BTU	39475	42765	46055	47517	49344	49337	49334	51404	55544	54810	54077	53078	50083	47087	44092	43787	45259	48570	43859	41033	38831	35894
		% of Nominal Capacity	82%	89%	96%	99%	103%	103%	103%	107%	116%	114%	113%	111%	104%	98%	92%	91%	94%	101%	91%	85%	81%	75%
ACIQ-48-ACL-B & ACIQ-60-HPD	80°F (26.7°C)	BTU	49793	53942	58092	59936	62241	62910	63133	62255	60499	60183	59867	59242	57365	55489	53613	53307	53991	55531	51590	49226	41857	32032
		% of Nominal Capacity	83%	90%	97%	100%	104%	105%	105%	104%	101%	100%	100%	99%	96%	92%	89%	89%	90%	93%	86%	82%	70%	53%
ACIQ-60-ACL-B & ACIQ-48-HPD	80°F (26.7°C)	BTU	39194	42461	45727	47178	48993	48694	48594	50984	55766	57765	59765	58215	53566	48917	44268	43283	44511	47273	45177	43919	42396	40364
		% of Nominal Capacity	82%	88%	95%	98%	102%	101%	101%	106%	116%	120%	125%	121%	112%	102%	92%	90%	93%	98%	94%	91%	88%	84%
ACIQ-60-ACL-B & ACIQ-60-HPD	80°F (26.7°C)	BTU	49454	53575	57696	59527	61817	62503	62732	62131	60929	52847	44765	44990	45663	46337	47010	48042	49695	53416	48415	45414	39015	30485
		% of Nominal Capacity	82%	89%	96%	99%	103%	104%	105%	104%	102%	88%	75%	75%	76%	77%	78%	80%	83%	89%	81%	76%	65%	51%

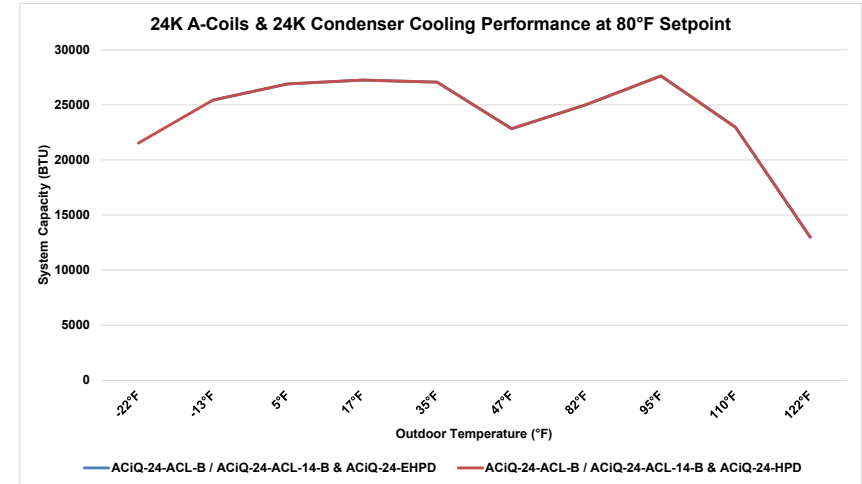
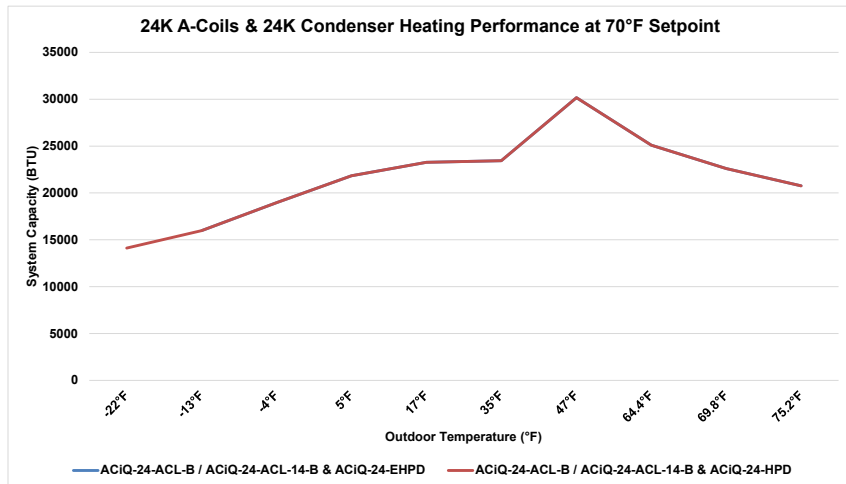


Evaporator A-Coils & Heat Pump Condenser Performance Comparison Line Charts

24K A-Coils (Tested with 18K Condensers)

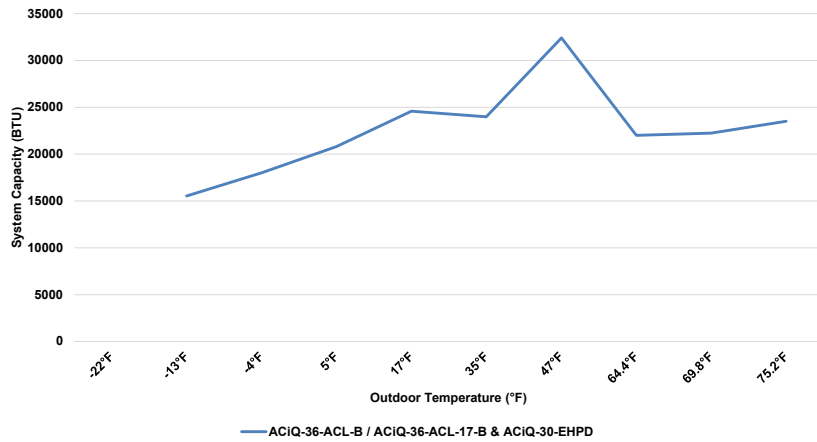


24K A-Coils (Tested with 24K Condensers)

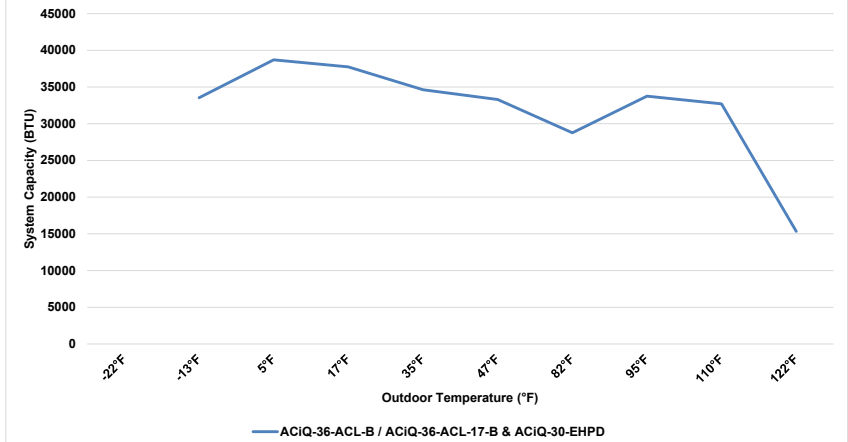


36K A-Coils (Tested with 30K Condenser, Only Standard Heat EHPD Condenser Tested)

36K A-Coils & 30K Condenser Heating Performance at 70°F Setpoint

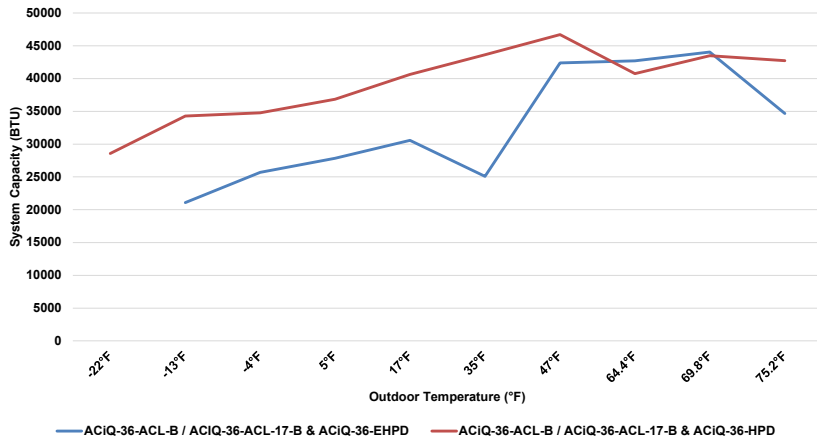


36K A-Coils & 30K Condenser Cooling Performance at 80°F Setpoint

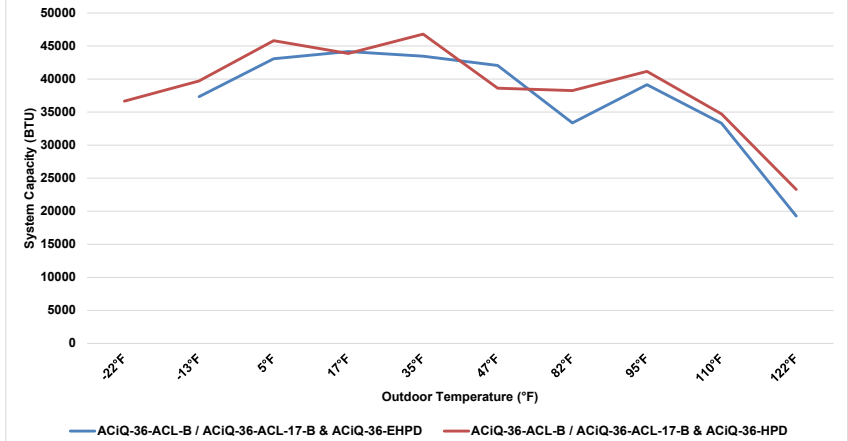


36K A-Coils (Tested with 36K Condensers)

36K A-Coils & 36K Condenser Heating Performance at 70°F Setpoint

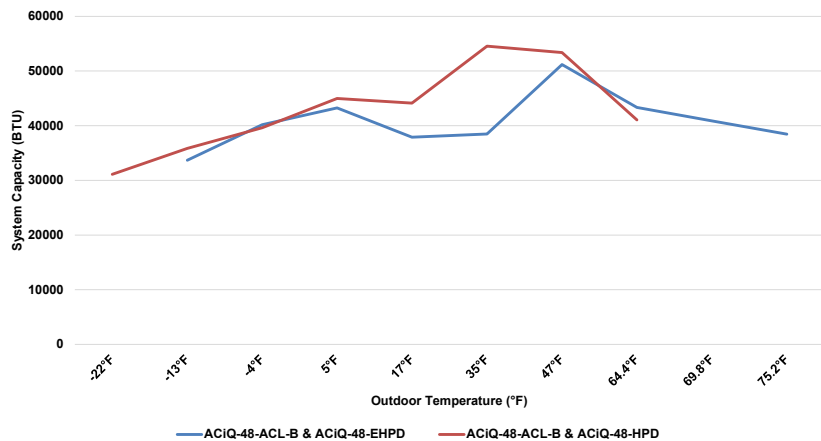


36K A-Coils & 36K Condenser Cooling Performance at 80°F Setpoint

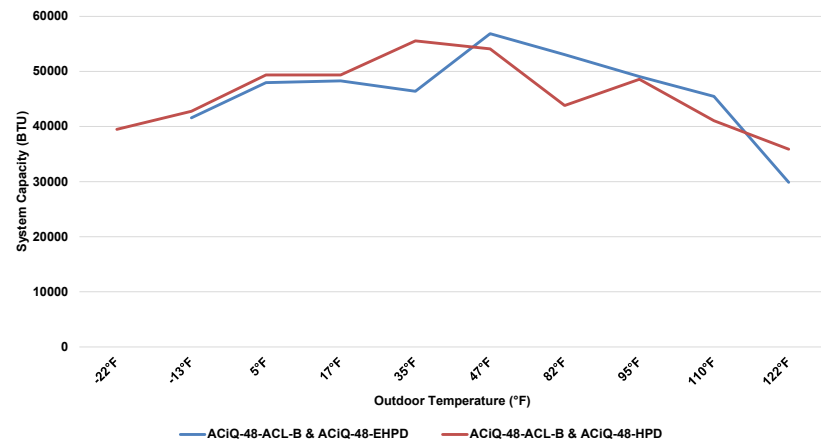


48K A-Coils (Tested with 48K Condensers)

48K A-Coils & 48K Condenser Heating Performance at 70°F Setpoint

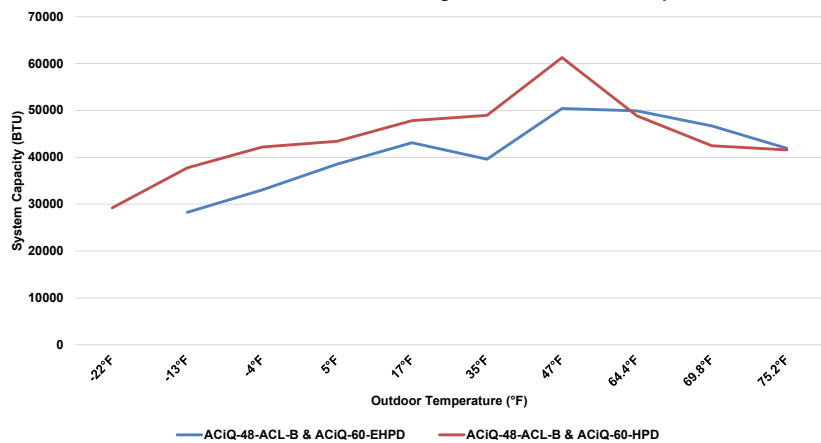


48K A-Coils & 48K Condenser Cooling Performance at 80°F Setpoint

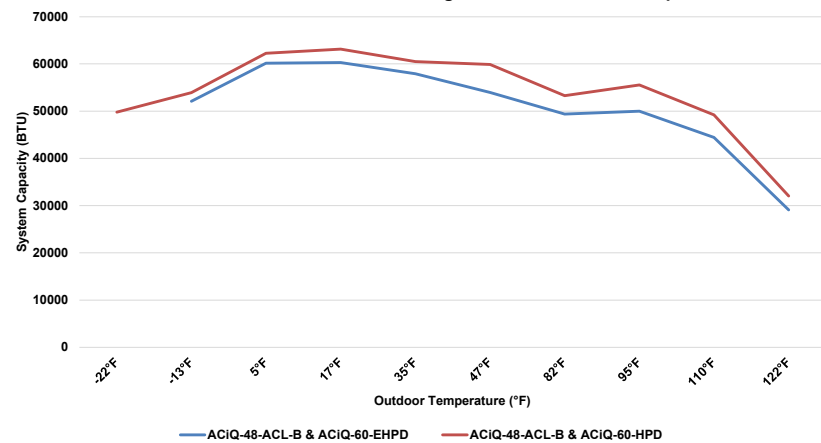


48K A-Coils (Tested with 60K Condensers)

48K A-Coils & 60K Condenser Heating Performance at 70°F Setpoint

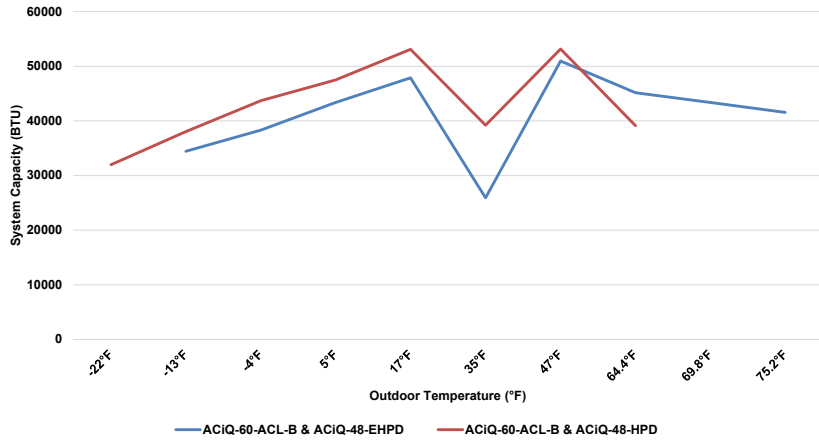


48K A-Coils & 60K Condenser Cooling Performance at 80°F Setpoint

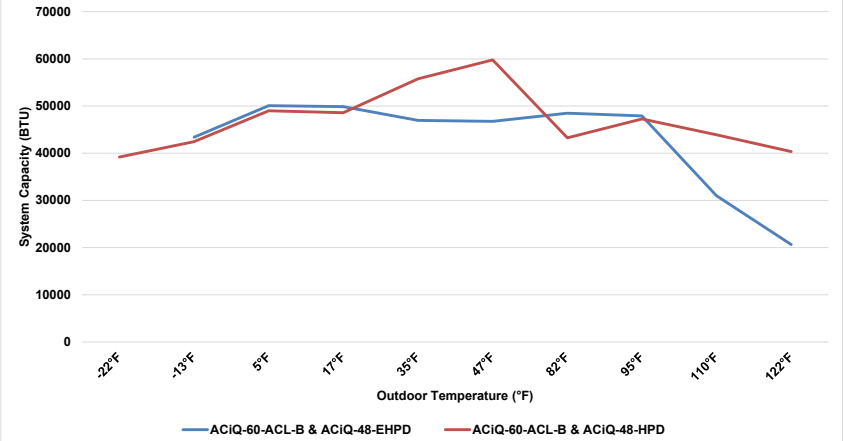


60K A-Coils (Tested with 48K Condensers)

60K A-Coils & 48K Condenser Heating Performance at 70°F Setpoint

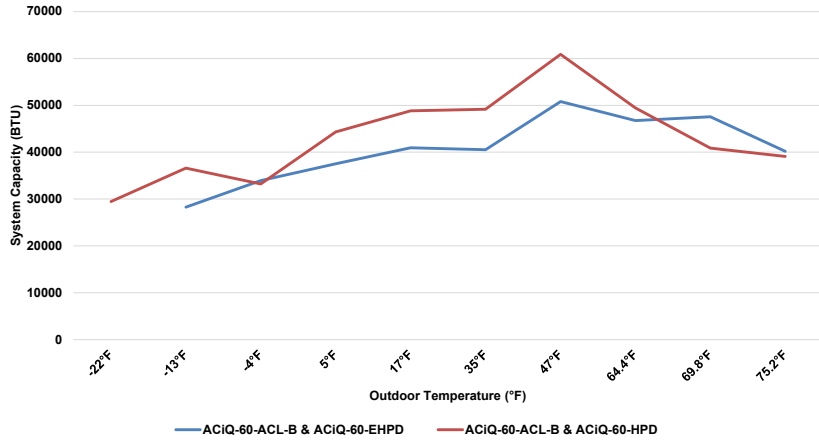


60K A-Coils & 48K Condenser Cooling Performance at 80°F Setpoint



60K A-Coils (Tested with 60K Condensers)

60K A-Coils & 60K Condenser Heating Performance at 70°F Setpoint



60K A-Coils & 60K Condenser Cooling Performance at 80°F Setpoint

