



Standard Heat Multizone Systems Capacity Performance Chart (Multi-zone condenser tested with wall mounted air handlers)

STANDARD HEAT MULTI-ZONE CONDENSER (ES Systems) 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
ES-18Z-M3C	70°F (21.1°C)	BTU	--	8755	10809	12218	13979	14798	15071	14454	13837	13220	12850	14304	17939	19393	21574	21200	20825	20676	20451	20301
		% of Nominal Capacity	--	49%	60%	68%	78%	82%	84%	80%	77%	73%	71%	79%	100%	108%	120%	118%	116%	115%	114%	113%
ES-27Z-M4C	70°F (21.1°C)	BTU	--	11444	10717	14382	18964	18630	18518	18441	18364	18287	18241	20315	25499	27572	30683	30287	29890	29732	29494	29336
		% of Nominal Capacity	--	42%	40%	53%	70%	69%	69%	68%	68%	68%	68%	75%	94%	102%	114%	112%	111%	110%	109%	109%
ES-36Z-M5C	70°F (21.1°C)	BTU	--	15651	20598	22664	25245	27364	28071	29414	30758	32102	32909	34651	39005	40747	43360	44748	46136	46692	47525	48080
		% of Nominal Capacity	--	43%	57%	63%	70%	76%	78%	82%	85%	89%	91%	96%	108%	113%	120%	124%	128%	130%	132%	134%
ES-48Z-M6C	70°F (21.1°C)	BTU	--	27000	32200	33889	36000	37050	37400	38686	39972	41259	42030	43859	48429	50258	53000	51469	49939	49326	48408	47796
		% of Nominal Capacity	--	56%	67%	71%	75%	77%	78%	81%	83%	86%	88%	91%	101%	105%	110%	107%	104%	103%	101%	100%
ES-55Z-M6C	70°F (21.1°C)	BTU	--	27800	32000	35111	39000	40500	41000	41500	41999	42499	42799	45666	52833	55700	60000	56410	52821	51385	49231	47795
		% of Nominal Capacity	--	51%	58%	64%	71%	74%	75%	75%	76%	77%	78%	83%	96%	101%	109%	103%	96%	93%	90%	87%

STANDARD HEAT MULTI-ZONE CONDENSER (ES Systems) 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
ES-18Z-M3C	80°F (26.7°C)	BTU	--	--	25811	26630	27654	28806	29190	29038	28736	26948	25916	25143	24369	24154	24252	24474	21067	19022	15422	10622
		% of Nominal Capacity	--	--	143%	148%	154%	160%	162%	161%	160%	150%	144%	140%	135%	134%	135%	136%	117%	106%	86%	59%
ES-27Z-M4C	80°F (26.7°C)	BTU	--	29177	31422	32419	33666	33723	33741	34630	36406	35004	36771	38097	39422	39300	38120	35464	29653	26167	21310	14835
		% of Nominal Capacity	--	108%	116%	120%	125%	125%	125%	128%	135%	130%	136%	141%	146%	146%	141%	131%	110%	97%	79%	55%
ES-36Z-M5C	80°F (26.7°C)	BTU	--	35038	37734	38931	40429	45035	46750	47635	49764	49232	47826	46772	45718	45081	44507	43216	36043	31738	28231	23555
		% of Nominal Capacity	--	97%	105%	108%	112%	125%	130%	132%	138%	137%	133%	130%	127%	125%	124%	120%	100%	88%	78%	65%
ES-48Z-M6C	80°F (26.7°C)	BTU	--	40733	43867	45259	47000	52857	54809	57108	61706	63257	62075	61188	60301	59351	58012	55000	46875	42000	35014	25699
		% of Nominal Capacity	--	40733	43867	45259	47000	52857	54809	57108	61706	63257	62075	61188	60301	59351	58012	55000	46875	42000	35014	25699
ES-55Z-M6C	80°F (26.7°C)	BTU	--	52000	56000	57778	60000	61008	61344	61361	61395	61222	62593	63622	64650	64610	63807	62000	52000	46000	37300	25699
		% of Nominal Capacity	--	95%	102%	105%	109%	111%	112%	112%	112%	111%	114%	116%	118%	117%	116%	113%	95%	84%	68%	47%



Extreme Heat Multizone Systems Capacity Performance Chart (Multi-zone condenser tested with wall mounted air handlers)

EXTREME HEAT MULTI-ZONE CONDENSER (HH Systems) 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-18Z-HH-M3C	70°F (21.1°C)	BTU	10072	12652	15685	17256	19220	19773	19957	20636	21316	21995	22403	23126	24933	25656	26740	24846	22953	22195	21059	20301
		% of Nominal Capacity	56%	70%	87%	96%	107%	110%	111%	115%	118%	122%	124%	128%	139%	143%	149%	138%	128%	123%	117%	113%
ACiQ-27Z-HH-M4C	70°F (21.1°C)	BTU	14636	17597	22858	25231	28197	28651	28803	28940	29077	29214	29297	30838	34693	36234	38547	38041	37536	37334	37030	36828
		% of Nominal Capacity	54%	65%	85%	93%	104%	106%	107%	107%	108%	108%	109%	114%	128%	134%	143%	141%	139%	138%	137%	136%
ACiQ-36Z-HH-M5C	70°F (21.1°C)	BTU	21997	28047	34407	35115	36000	40312	41749	41526	41302	41078	40944	41742	43738	44537	45734	44727	43719	43316	42712	42309
		% of Nominal Capacity	61%	78%	96%	98%	100%	112%	116%	115%	115%	114%	114%	116%	121%	124%	127%	124%	121%	120%	119%	118%
ACiQ-48Z-HH-M6C	70°F (21.1°C)	BTU	24738	30505	36192	41692	48568	50826	51578	53410	55241	57073	58172	58124	58006	57958	57887	57947	58006	58030	58066	58090
		% of Nominal Capacity	52%	64%	75%	87%	101%	106%	107%	111%	115%	119%	121%	121%	121%	121%	121%	121%	121%	121%	121%	121%
ACiQ-55Z-HH-M6C	70°F (21.1°C)	BTU	26491	31951	38933	42983	48045	51234	52296	54423	56549	58675	59951	59933	59890	59873	59847	61520	63193	63862	64865	65534
		% of Nominal Capacity	48%	58%	71%	78%	87%	93%	95%	99%	103%	107%	109%	109%	109%	109%	109%	112%	115%	116%	118%	119%

EXTREME HEAT MULTI-ZONE CONDENSER (HH Systems) COOLING PERFORMANCE CHART

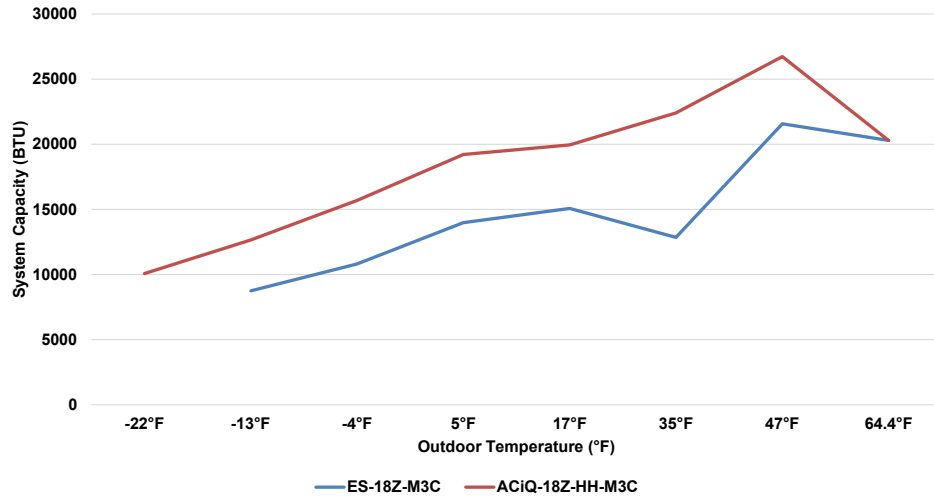
Model	Thermostat Setting	System Output	Outdoor Temperature																			
			-22°F	-13°F	-4°F	0°F	5°F	14°F	17°F	23°F	35°F	47°F	59°F	68°F	77°F	82°F	86°F	95°F	104°F	110°F	115°F	122°F
ACiQ-18Z-HH-M3C	80°F (26.7°C)	BTU	24081	26087	28094	28986	30101	29034	28678	29168	30148	30220	28662	27494	26325	26200	26761	28023	22918	19854	15897	10622
		% of Nominal Capacity	134%	145%	156%	161%	167%	161%	159%	162%	167%	168%	159%	153%	146%	146%	149%	156%	127%	110%	88%	59%
ACiQ-27Z-HH-M4C	80°F (26.7°C)	BTU	28825	31227	33629	34696	36031	36645	36850	37467	38703	40521	42294	43624	44953	44594	42922	39160	34944	32414	26988	19754
		% of Nominal Capacity	107%	116%	125%	129%	133%	136%	136%	139%	143%	150%	157%	162%	166%	165%	159%	145%	129%	120%	100%	73%
ACiQ-36Z-HH-M5C	80°F (26.7°C)	BTU	37633	40769	43905	45299	47041	40155	37860	38168	38784	41770	41683	41618	41553	42108	43298	45977	41449	38733	30468	19448
		% of Nominal Capacity	105%	113%	122%	126%	131%	112%	105%	106%	108%	116%	116%	116%	115%	117%	120%	128%	115%	108%	85%	54%
ACiQ-48Z-HH-M6C	80°F (26.7°C)	BTU	48245	52266	56286	58073	60306	62955	63837	62470	59735	62705	60852	59462	58072	57586	57557	57493	48567	43212	36455	27445
		% of Nominal Capacity	101%	109%	117%	121%	126%	131%	133%	130%	124%	131%	127%	124%	121%	120%	120%	120%	101%	90%	76%	57%
ACiQ-55Z-HH-M6C	80°F (26.7°C)	BTU	59568	64532	69495	71702	74459	72524	71879	71830	71731	66468	65393	64586	63779	63023	62030	59794	50793	45392	39143	30810
		% of Nominal Capacity	108%	117%	126%	130%	135%	132%	131%	131%	130%	121%	119%	117%	116%	115%	113%	109%	92%	83%	71%	56%



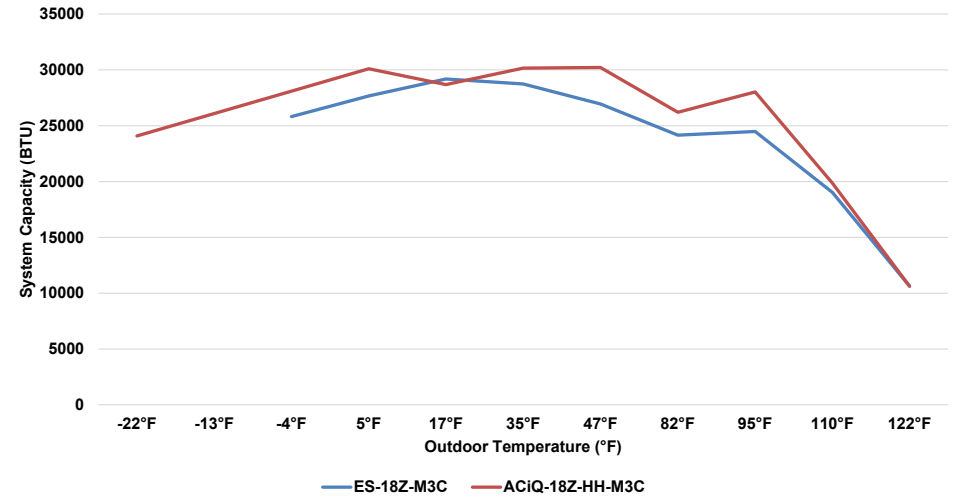
Standard & Extreme Heat Multi-Zone Condenser Systems Performance Comparison Line Charts

18K 3-Zone Systems

18K Standard & Extreme Heat Multi-Zone Heating Performance at 70°F Setpoint

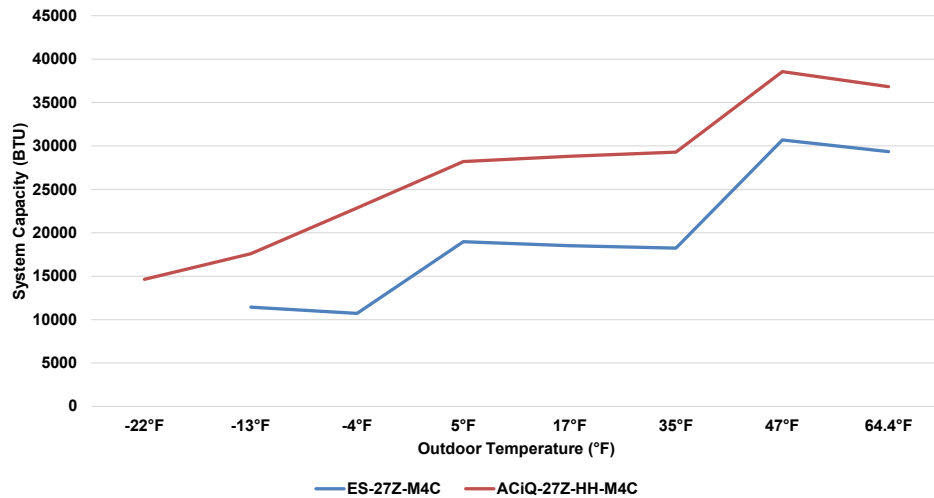


18K Standard & Extreme Heat Multi-Zone Cooling Performance at 80°F Setpoint

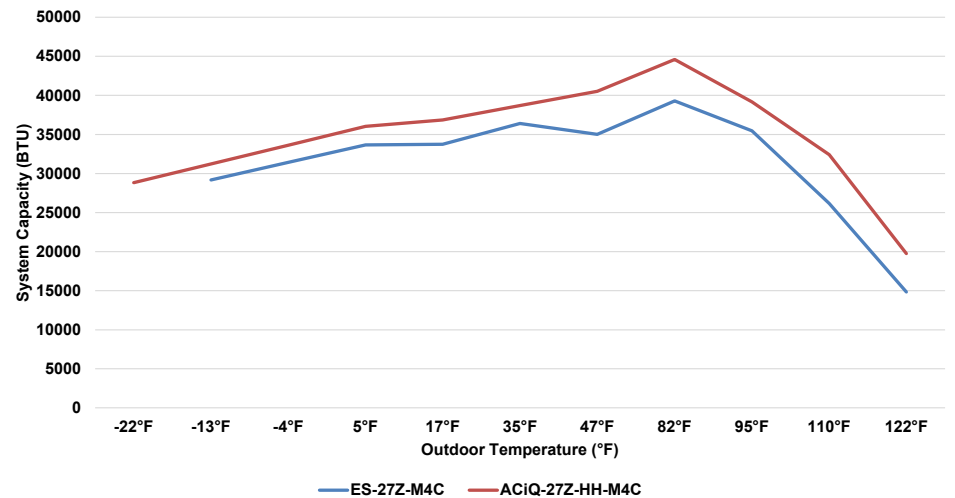


27K 4-Zone Systems

27K Standard & Extreme Heat Multi-Zone Heating Performance at 70°F Setpoint

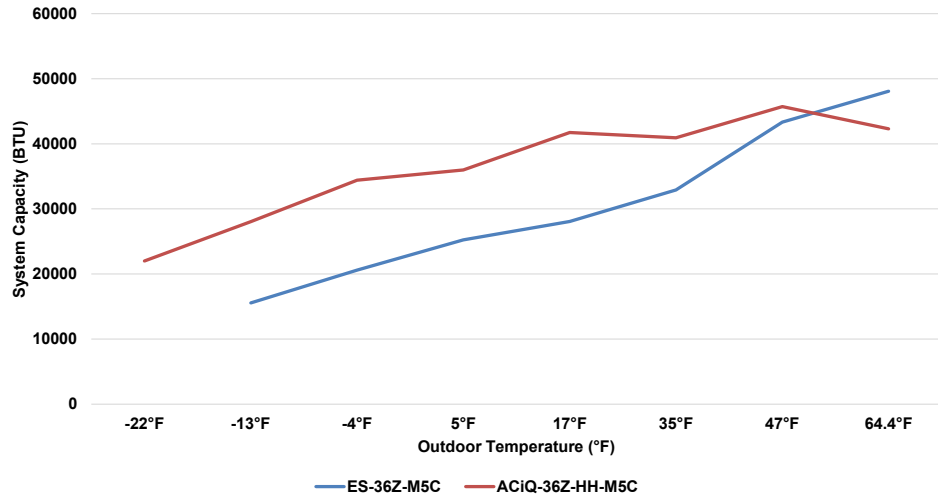


27K Standard & Extreme Heat Multi-Zone Cooling Performance at 80°F Setpoint

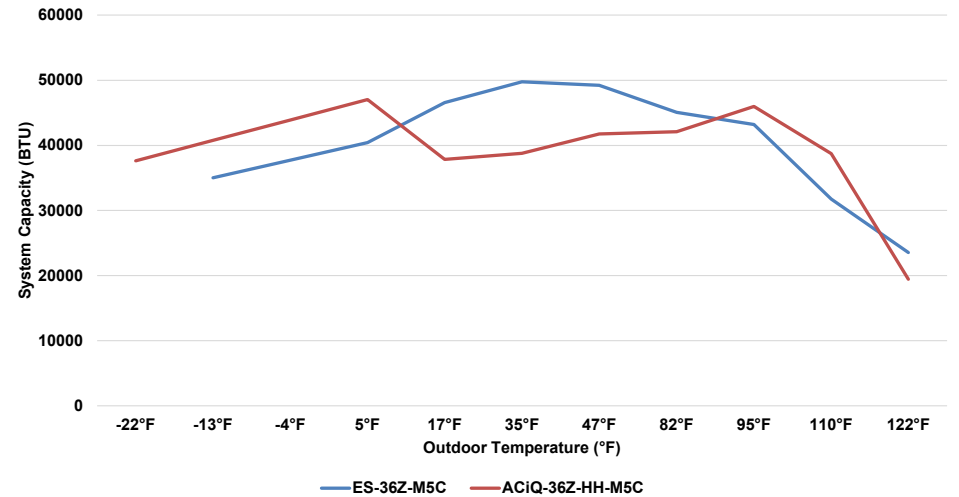


36K 5-Zone Systems

36K Standard & Extreme Heat Multi-Zone Heating Performance at 70°F Setpoint

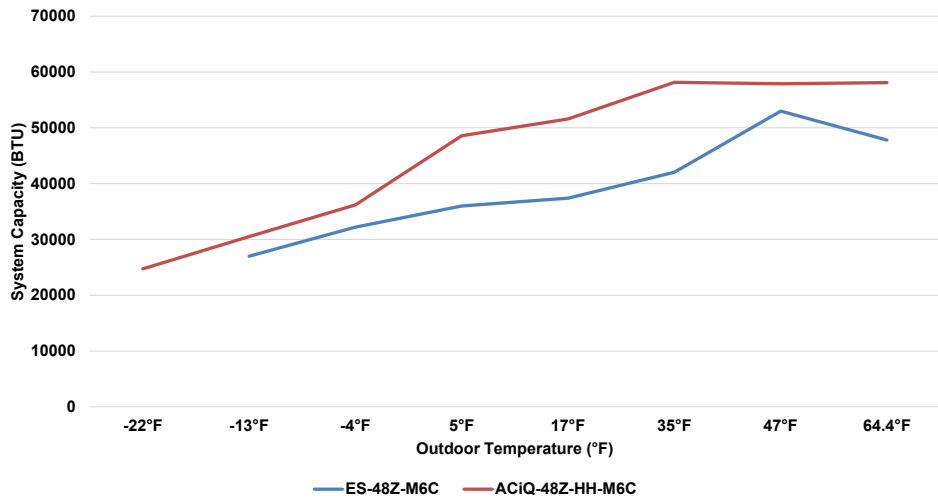


36K Standard & Extreme Heat Multi-Zone Cooling Performance at 80°F Setpoint

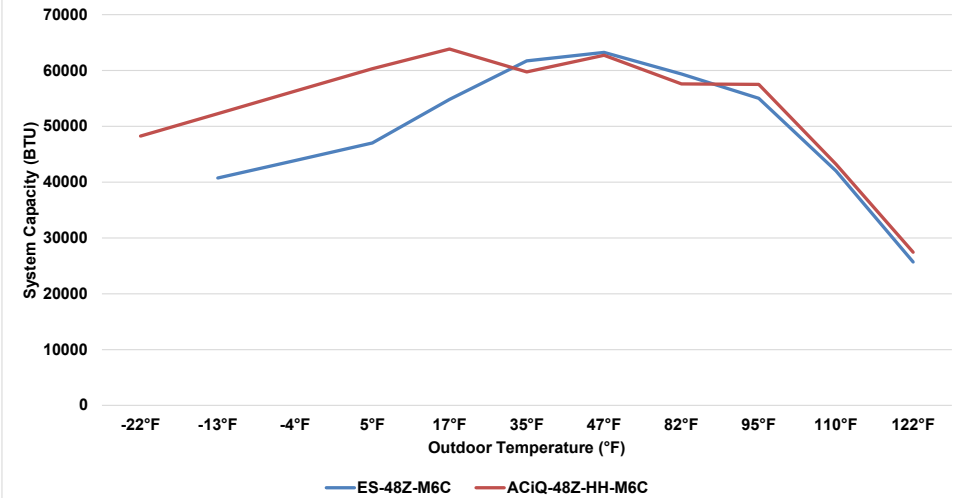


48K 6-Zone Systems

48K Standard & Extreme Heat Multi-Zone Heating Performance at 70°F Setpoint

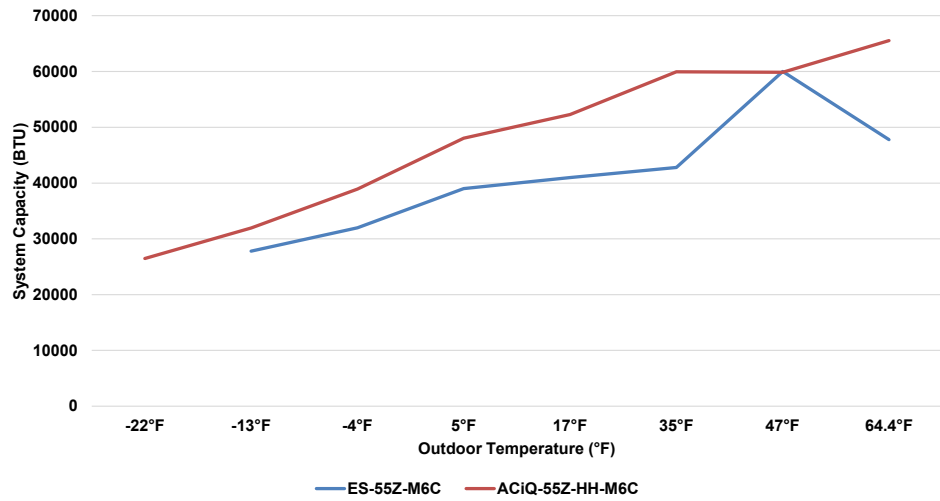


48K Standard & Extreme Heat Multi-Zone Cooling Performance at 80°F Setpoint



55K 6-Zone Systems

55K Standard & Extreme Heat Multi-Zone Heating Performance at 70°F Setpoint



55K Standard & Extreme Heat Multi-Zone Cooling Performance at 80°F Setpoint

