



# EXTENDED RATINGS

## Cooling Performance

**FSU36**

FSU36HP230V1R32AH / LIV36HP230V1R32AO

## Heating Performance

**FSU36**

FSU36HP230V1R32AH / LIV36HP230V1R32AO

Thank you for choosing our product.  
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your project and retain it for future reference.

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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	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)
-20°F																				
-15°F																				
-10°F																				
-5°F																				
0°F	26241	19222	73%	10.22	2569	27856	20405	73%	10.30	2704	28663	20996	73%	10.07	2846	31086	22770	73%	9.91	3138
5°F	26645	19584	74%	10.16	2622	28260	20771	74%	10.24	2760	29067	21364	74%	10.01	2905	31489	23145	74%	9.83	3203
10°F	27250	20097	74%	10.19	2675	28865	21288	74%	10.25	2816	29673	21884	74%	10.01	2964	32095	23670	74%	9.82	3268
15°F	27856	20613	74%	10.21	2728	29471	21808	74%	10.26	2872	30278	22406	74%	10.02	3023	32701	24198	74%	9.81	3333
20°F	28260	20983	74%	10.16	2781	29875	22182	74%	10.20	2928	30682	22781	74%	9.96	3082	33104	24580	74%	9.74	3398
25°F	28663	21354	75%	10.11	2835	30278	22557	74%	10.15	2984	31086	23159	75%	9.90	3141	33508	24963	74%	9.68	3463
30°F	29673	22180	75%	10.28	2888	31288	23387	75%	10.29	3040	32095	23991	75%	10.03	3200	34517	25802	75%	9.78	3528
35°F	30682	23011	75%	10.43	2941	32297	24223	75%	10.43	3096	33104	24828	75%	10.16	3259	35526	26645	75%	9.89	3593
40°F	31288	23544	75%	10.45	2994	32902	24759	75%	10.44	3152	33710	25367	75%	10.16	3317	36132	27189	75%	9.88	3658
45°F	31893	24079	75%	10.47	3047	33508	25298	75%	10.45	3208	34315	25908	75%	10.16	3376	36738	27737	76%	9.87	3722
50°F	32902	24924	76%	10.61	3100	34517	26147	76%	10.58	3263	35325	26758	76%	10.28	3435	37747	28593	76%	9.97	3787
55°F	33912	25773	76%	10.75	3153	35526	27000	76%	10.70	3319	36334	27614	76%	10.40	3494	38756	29455	76%	10.06	3852
60°F	34921	26627	76%	10.89	3207	36536	27859	76%	10.82	3375	37343	28474	76%	10.51	3553	39765	30321	76%	10.15	3917
65°F	35930	27487	76%	11.02	3260	37545	28722	76%	10.94	3431	38352	29340	76%	10.62	3612	40775	31193	77%	10.24	3982
70°F	37545	28816	77%	11.33	3313	39160	30055	77%	11.23	3487	39967	30675	77%	10.89	3671	42390	32534	77%	10.47	4047
75°F	39160	30153	77%	11.63	3366	40775	31397	77%	11.51	3543	41582	32018	77%	11.15	3730	44004	33883	77%	10.70	4112
80°F	39765	30719	77%	11.63	3419	41380	31966	77%	11.50	3599	42188	32590	77%	11.14	3789	44610	34461	77%	10.68	4177
85°F	40371	31288	77%	11.63	3472	41986	32539	78%	11.49	3655	42793	33165	78%	11.12	3847	45216	35042	78%	10.66	4242
90°F	39160	30447	78%	11.16	3508	40775	31702	78%	11.04	3692	41582	32330	78%	10.70	3887	44004	34213	78%	10.27	4285
95°F	37949	29600	78%	10.71	3543	39564	30860	78%	10.61	3730	40371	31489	78%	10.28	3926	42793	33379	78%	9.89	4328
100°F	35930	28115	78%	10.09	3561	37545	29379	78%	10.02	3748	37949	29695	78%	9.62	3946	40775	31906	78%	9.37	4350
105°F	33912	26621	79%	9.48	3579	35526	27888	79%	9.43	3767	36334	28522	78%	9.16	3965	38756	30424	79%	8.87	4372
110°F	29875	23526	79%	8.74	3419	31489	24798	79%	8.75	3599	32297	25434	79%	8.52	3789	34719	27341	79%	8.31	4177
115°F	25837	20412	79%	7.93	3260	27452	21687	79%	8.00	3431	28260	22325	79%	7.82	3612	30682	24239	79%	7.70	3982
120°F	26241	20796	79%	8.37	3136	27856	22076	79%	8.44	3301	28663	22716	79%	8.25	3475	31086	24635	79%	8.11	3831
122°F																				
125°F																				
129°F																				

MAX OUTPUT\*

\*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



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)	Power Input (W)
DB	WB													
-22°F	-22.5°F													
-20°F	-20.5°F													
-15°F	-16°F	20401	7.13	2862	19659	6.73	2920	18917	6.35	2978	18175	5.98	3037	
-10°F	-11°F	20957	7.25	2891	20215	6.85	2949	19473	6.47	3008	18731	6.10	3068	
-5°F	-6°F	21513	7.37	2921	20772	6.97	2979	20030	6.59	3039	19288	6.22	3099	
0°F	-1°F	22997	7.72	2980	22255	7.32	3040	21513	6.94	3101	20772	6.57	3163	
5°F	3°F	25223	8.29	3041	24481	7.89	3102	23739	7.50	3164	22997	7.13	3227	
10°F	8°F	27819	8.64	3220	27077	8.24	3284	26335	7.86	3350	25594	7.49	3417	
15°F	13°F	29674	9.26	3205	29674	9.08	3269	28932	8.68	3335	28190	8.29	3401	
17°F	15°F	31528	9.88	3190	32270	9.92	3254	31528	9.50	3319	30786	9.09	3385	
20°F	17°F	30601	9.00	3399	29859	8.61	3467	29117	8.23	3536	28375	7.87	3607	
25°F	22°F	30415	8.72	3488	29674	8.34	3558	28932	7.97	3629	28190	7.62	3702	
30°F	27°F	29117	9.30	3131	28375	8.89	3193	27634	8.48	3257	26892	8.09	3322	
35°F	33°F	27819	10.03	2773	27077	9.57	2828	26335	9.13	2885	25594	8.70	2943	
40°F	36°F	33012	11.53	2863	32270	11.05	2921	31528	10.58	2979	30786	10.13	3039	
45°F	41°F	36350	12.44	2922	35608	11.95	2980	34867	11.47	3040	34125	11.01	3101	
47°F	43°F	37092	12.44	2982	36350	11.95	3041	35608	11.48	3102	34867	11.02	3164	
50°F	46°F	36721	12.26	2996	35979	11.77	3056	35237	11.30	3117	34496	10.85	3180	
55°F	50°F	36350	12.07	3011	35608	11.59	3072	34867	11.13	3133	34125	10.68	3196	
60°F	55°F	35979	11.83	3041	35237	11.36	3102	34496	10.90	3164	33754	10.46	3227	
65°F	60°F	35237	12.06	2922	34496	11.57	2980	33754	11.10	3040	33012	10.65	3101	
70°F	64°F	34867	11.99	2907	34125	11.51	2965	33383	11.04	3024	32641	10.58	3085	
75°F	69°F	34496	11.93	2892	33754	11.44	2950	33012	10.97	3009	32270	10.51	3069	
80°F	74°F													
86°F	80°F													

MAX OUTPUT\*

\*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





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