

DIY E Star Performance Specifications

COOLING PERFORMANCE DATA																	
LEGEND: TC --- Total Net Capacity (1000 Btu/hour) SC --- Sensible Capacity (1000 Btu/hour) Input --- Total Power (kW) DB --- Dry Bulb Temperature Measurement																	
Model	Cooling		Outdoor Conditions (DB)														
			Operational Testing	Low Ambient Cooling						Standard							
	Indoor Conditions (DB)	-22F (-30C)	5F (-15C)	15F (-9.4C)	25F (-3.9C)	35F (1.7C)	45F (7.2C)	55F (12.8C)	65F (18.3C)	75F (23.9C)	85F (29.4C)	95F (35C)	105F (40.6C)	109.4F (43C)	115F (46.1C)	122F (50C)	
DIY-12-HP-115B :: DIY-12-HP-C-115B, DIY-12-HP-WMAH-115B	65F (18.3C)	TC	8.12	10.86	11.01	11.37	11.67	11.46	11.59	11.66	11.46	11.12	10.72	9.96	9.31	8.85	8.20
		SC	5.74	7.50	7.80	8.06	8.19	8.45	8.95	8.24	8.24	8.10	7.51	7.22	7.26	7.52	7.30
	70F (21.1C)	TC	8.59	11.55	11.72	11.89	12.13	12.26	12.19	12.26	12.19	11.63	11.21	10.48	9.85	9.36	8.53
		SC	6.08	7.98	8.30	8.43	8.51	9.04	9.41	8.66	8.76	8.47	7.86	7.60	7.68	7.96	7.59
	75F (23.9C)	TC	9.01	11.99	12.29	12.61	12.73	12.86	12.73	12.86	12.72	12.27	11.82	11.00	10.44	9.72	8.95
		SC	6.49	8.24	8.77	8.98	9.04	9.62	9.64	9.09	9.15	8.94	8.29	7.97	8.15	8.26	7.96
	80F (26.7C)	TC	9.39	12.55	12.81	13.07	13.33	13.33	13.33	13.32	13.32	12.78	12.25	11.51	10.82	10.17	9.37
		SC	6.76	8.66	9.06	9.36	9.41	9.79	10.09	9.42	9.58	9.31	8.59	8.35	8.44	8.65	8.34
DIY-18-HP-230B :: DIY-18-HP-C-230B, DIY-18-HP-WMAH-230B	65F (18.3C)	TC	11.72	15.67	15.64	15.73	15.98	15.75	15.93	16.02	15.74	15.88	15.94	14.81	13.84	13.16	12.19
		SC	8.29	10.83	11.08	11.15	11.21	11.61	12.30	11.32	11.32	11.57	11.17	10.74	10.80	11.19	10.85
	70F (21.1C)	TC	12.40	16.67	16.64	16.45	16.62	16.85	16.76	16.84	16.74	16.61	16.67	15.58	14.65	13.92	12.68
		SC	8.77	11.52	11.79	11.67	11.66	12.42	12.93	11.90	12.04	12.10	11.69	11.30	11.43	11.83	11.29
	75F (23.9C)	TC	13.01	17.30	17.46	17.45	17.45	17.68	17.49	17.66	17.47	17.53	17.58	16.35	15.53	14.45	13.31
		SC	9.37	11.89	12.46	12.42	12.39	13.22	13.25	12.48	12.57	12.77	12.32	11.86	12.12	12.28	11.84
	80F (26.7C)	TC	13.55	18.12	18.19	18.08	18.27	18.32	18.31	18.31	18.30	18.26	18.22	17.12	16.10	15.13	13.94
		SC	9.76	13.24	13.33	13.01	12.71	12.92	13.87	12.94	13.16	13.30	13.23	12.42	12.56	12.86	12.40
DIY-24-HP-230B :: DIY-24-HP-C-230B, DIY-24-HP-WMAH-230B	65F (18.3C)	TC	16.21	21.28	21.37	21.97	22.40	22.35	22.05	21.88	21.98	21.81	21.64	20.34	19.12	17.87	16.56
		SC	11.53	15.25	15.65	14.95	15.44	15.25	16.04	15.94	15.41	15.51	15.95	15.87	16.26	15.90	15.23
	70F (21.1C)	TC	16.78	22.56	22.92	23.16	23.46	23.28	23.24	23.06	23.02	22.85	22.94	21.44	20.27	18.95	17.55
		SC	11.86	16.36	16.94	15.60	16.10	15.94	16.90	16.80	16.14	16.15	16.90	16.72	17.23	16.86	16.14
	75F (23.9C)	TC	18.12	24.36	24.87	25.00	25.19	25.28	25.35	24.90	24.58	24.67	24.49	23.15	21.64	20.45	19.03
		SC	12.89	17.45	18.21	17.01	17.36	17.25	18.44	18.13	17.23	17.54	18.05	18.05	18.40	18.20	17.51
	80F (26.7C)	TC	19.18	25.64	25.90	26.31	26.51	26.61	26.41	26.21	26.01	25.96	25.92	24.36	22.90	21.53	19.83
		SC	13.52	18.33	18.97	17.72	18.32	18.06	19.10	19.09	18.23	18.30	19.38	19.00	19.47	19.16	18.24
DIY-36-HP-230B :: DIY-36-HP-C-230B, DIY-36-HP-WMAH-230B	65F (18.3C)	TC	19.62	26.07	26.44	26.98	27.87	27.71	27.85	28.32	28.45	28.85	29.26	27.84	26.01	24.30	22.52
		SC	13.35	18.75	19.26	18.92	20.21	20.48	20.25	20.62	19.94	20.39	22.82	23.10	22.11	21.63	20.49
	70F (21.1C)	TC	20.56	27.49	27.89	28.29	29.04	28.88	29.03	29.85	30.00	30.25	30.68	29.00	27.11	25.33	23.47
		SC	13.99	19.77	20.31	19.83	21.05	21.34	21.10	21.74	21.03	21.38	23.93	24.07	23.04	22.55	21.35
	75F (23.9C)	TC	21.97	29.69	29.97	30.75	31.54	31.39	31.90	32.24	32.24	32.87	33.51	31.34	29.61	27.69	25.64
		SC	14.95	21.35	21.83	21.55	22.87	23.19	23.19	23.48	22.60	23.23	26.14	26.01	25.17	24.64	23.33
	80F (26.7C)	TC	23.50	31.41	32.05	32.71	33.38	33.39	33.75	34.12	34.48	34.97	35.46	33.34	31.34	29.46	27.13
		SC	15.99	22.59	23.35	22.93	24.20	24.67	24.54	24.85	24.17	24.72	27.66	27.67	26.64	26.22	24.69

DIY E Star Performance Specifications

HEATING PERFORMANCE DATA		LEGEND: TC --- Total Net Capacity (1000 Btu/hour) Input --- Total Power (kW) DB --- Dry Bulb Temperature Measurement															
Model	Heating		Outdoor Conditions (DB)														
	Indoor Conditions (DB)		-22F (-30C)	-13F (-25C)	-5F (-20.6C)	0F (-17.8C)	5F (-15C)	17F (-8.3C)	19.4F (-7C)	24.8F (-4C)	32F (0C)	35F (1.7C)	39.2F (4C)	44.6F (7C)	47F (8.3C)	53.6F (12C)	57F (13.9C)
DIY-12-HP-115B :: DIY-12-HP-C-115B, DIY-12-HP-WMAH-115B	60F (15.6C)	TC	3.58	4.32	5.06	5.22	6.96	8.36	8.83	9.29	9.71	10.18	11.19	12.27	13.39	14.21	14.60
		Input	0.84	0.87	0.88	0.76	0.88	0.90	0.91	0.91	0.92	0.92	0.92	1.04	1.09	1.10	1.09
	65F (18.3C)	TC	3.46	4.18	4.92	5.05	6.77	8.07	8.48	8.92	9.39	9.83	10.88	11.93	12.92	13.70	14.13
		Input	0.85	0.88	0.89	0.78	0.90	0.92	0.92	0.93	0.93	0.94	1.00	1.06	1.11	1.12	1.11
	70F (21.1C)	TC	3.28	3.95	4.65	4.79	6.38	7.65	8.06	8.47	8.89	9.30	10.28	11.26	12.23	12.97	13.35
		Input	0.86	0.89	0.91	0.79	0.91	0.93	0.94	0.94	0.95	0.95	1.02	1.07	1.13	1.14	1.13
75F (23.9C)	TC	3.13	3.79	4.48	4.60	6.13	7.38	7.78	8.13	8.53	8.98	9.76	10.69	11.56	12.38	12.82	
	Input	0.88	0.91	0.92	0.80	0.92	0.94	0.95	0.96	0.96	0.97	1.03	1.09	1.14	1.14	1.14	
DIY-18-HP-230B :: DIY-18-HP-C-230B, DIY-18-HP-WMAH-230B	60F (15.6C)	TC	6.60	7.96	9.37	9.66	13.63	16.74	16.96	17.26	17.55	17.85	19.14	20.46	21.78	23.01	23.72
		Input	1.45	1.50	1.52	1.32	1.62	1.69	1.76	1.83	1.91	1.99	1.87	1.77	1.70	1.71	1.70
	65F (18.3C)	TC	6.39	7.71	9.08	9.36	13.17	16.18	16.47	16.76	16.93	17.22	18.50	19.77	21.01	22.30	22.99
		Input	1.47	1.52	1.54	1.34	1.64	1.71	1.78	1.86	1.94	2.02	1.89	1.80	1.72	1.74	1.72
	70F (21.1C)	TC	6.01	7.24	8.51	8.77	12.36	15.16	15.42	15.67	15.93	16.18	17.37	18.55	19.73	20.91	21.54
		Input	1.49	1.55	1.57	1.36	1.67	1.74	1.81	1.89	1.97	2.05	1.92	1.83	1.75	1.76	1.75
75F (23.9C)	TC	5.74	6.95	8.22	8.42	11.86	14.56	14.88	14.89	15.05	15.46	16.59	17.81	19.04	20.18	20.68	
	Input	1.52	1.57	1.59	1.38	1.69	1.77	1.84	1.92	2.00	2.08	1.95	1.85	1.77	1.79	1.77	
DIY-24-HP-230B :: DIY-24-HP-C-230B, DIY-24-HP-WMAH-230B	60F (15.6C)	TC	8.85	10.67	12.56	12.95	16.79	17.57	18.44	19.32	20.16	21.04	24.20	27.39	30.56	32.42	33.24
		Input	1.96	2.03	2.05	1.90	2.25	2.29	2.34	2.38	2.43	2.47	2.63	2.77	2.89	2.92	2.89
	65F (18.3C)	TC	8.56	10.32	12.15	12.53	16.28	17.04	17.89	18.74	19.59	20.35	23.40	26.46	29.33	31.12	32.09
		Input	1.99	2.06	2.08	1.93	2.29	2.32	2.37	2.42	2.47	2.51	2.67	2.81	2.93	2.96	2.93
	70F (21.1C)	TC	8.11	9.77	11.50	11.84	15.42	16.12	16.91	17.69	18.48	19.27	22.14	25.01	27.88	29.56	30.44
		Input	2.02	2.09	2.11	1.96	2.32	2.36	2.41	2.46	2.50	2.55	2.71	2.85	2.98	3.01	2.98
75F (23.9C)	TC	7.83	9.33	10.98	11.37	14.88	15.47	16.23	17.07	17.56	18.21	21.14	24.01	26.91	28.37	28.92	
	Input	2.05	2.12	2.15	1.99	2.35	2.39	2.44	2.49	2.54	2.59	2.75	2.90	3.02	3.05	3.02	
DIY-36-HP-230B :: DIY-36-HP-C-230B, DIY-36-HP-WMAH-230B	60F (15.6C)	TC	11.94	14.40	16.96	17.48	19.99	21.01	22.25	23.54	24.82	26.01	31.15	36.22	41.30	43.82	45.05
		Input	2.92	3.02	3.06	3.02	3.33	3.28	3.27	3.25	3.24	3.23	3.39	3.51	3.61	3.64	3.61
	65F (18.3C)	TC	11.46	13.83	16.28	16.71	19.14	20.12	21.37	22.60	23.83	25.07	29.79	34.65	39.35	41.76	43.09
		Input	2.96	3.07	3.11	3.07	3.38	3.33	3.32	3.30	3.29	3.28	3.44	3.56	3.67	3.70	3.66
	70F (21.1C)	TC	11.09	13.36	15.72	16.19	18.53	19.46	20.62	21.79	22.96	24.13	28.79	33.44	38.10	40.38	41.59
		Input	3.01	3.12	3.15	3.12	3.43	3.39	3.37	3.35	3.34	3.33	3.49	3.62	3.72	3.76	3.72
75F (23.9C)	TC	10.70	12.96	15.09	15.62	17.97	18.58	19.70	20.92	22.04	23.29	27.63	31.77	36.00	38.36	39.93	
	Input	3.05	3.16	3.20	3.16	3.48	3.44	3.42	3.40	3.39	3.38	3.54	3.67	3.78	3.81	3.78	