

4th Gen. 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)	-13F (-25C)	5F (-15C)	15F (-9.4C)	25F (-3.9C)	35F (1.7C)	45F (7.2C)	55F (12.8C)	65F (18.3C)	75F (23.9C)	80F (26.7C)	85F (29.4C)	95F (35C)	105F (40.6C)	109.4F (43C)	115F (46.1C)	122F (50C)	
DIY-12-HP-WMAH-115C25 DIY-12-HP-C-115C25	65F (18.3C)	TC	9.79	10.69	10.59	10.90	10.82	11.55	11.54	11.40	11.67	11.48	11.13	10.61	10.18	9.98	9.41	8.80
		SC	6.43	7.19	7.46	7.98	7.83	8.74	8.77	8.73	9.02	8.95	8.59	8.81	8.44	9.11	8.62	8.74
	70F (21.1C)	TC	10.39	11.27	11.25	11.55	11.50	12.26	12.03	11.96	12.28	11.96	11.71	11.26	10.79	10.43	9.82	9.34
		SC	6.78	7.54	7.90	8.41	8.28	9.22	9.09	9.10	9.43	9.27	8.98	9.30	8.90	9.47	8.94	9.24
	75F (23.9C)	TC	10.91	11.87	11.74	12.14	12.21	12.87	12.68	12.64	12.85	12.61	12.28	11.78	11.48	10.95	10.23	9.77
		SC	7.09	7.90	8.20	8.79	8.74	9.63	9.53	9.56	9.83	9.72	9.39	9.68	9.42	9.90	9.27	9.62
	80F (26.7C)	TC	11.38	12.48	12.47	12.71	12.93	13.41	13.40	13.40	13.40	13.40	12.98	12.53	12.08	11.53	10.89	10.17
		SC	7.35	8.26	8.65	9.15	9.21	9.97	10.03	10.08	10.19	10.27	9.87	10.24	9.86	10.37	9.81	9.97
DIY-18-HP-WMAH-230C25 DIY-18-HP-C-230C25	65F (18.3C)	TC	15.58	17.10	17.44	17.24	17.15	17.42	17.77	17.82	18.20	18.33	17.45	15.65	15.21	14.60	14.20	13.15
		SC	9.70	11.79	12.58	12.49	12.50	12.75	13.43	13.74	13.94	14.46	13.98	12.73	12.98	13.23	13.52	13.07
	70F (21.1C)	TC	16.55	17.90	18.43	18.13	17.96	18.44	18.64	18.72	19.20	19.15	18.23	16.60	15.98	15.38	15.01	13.83
		SC	10.24	12.29	13.23	13.07	13.01	13.41	14.03	14.36	14.63	15.02	14.54	13.42	13.55	13.86	14.22	13.69
	75F (23.9C)	TC	17.30	18.89	19.30	19.10	19.10	19.23	19.77	19.75	20.36	20.33	19.01	17.62	16.85	16.16	15.72	14.52
		SC	10.64	12.90	13.76	13.69	13.76	13.90	14.78	15.05	15.44	15.87	15.06	14.18	14.21	14.47	14.81	14.32
	80F (26.7C)	TC	18.36	20.09	20.21	20.21	20.22	20.32	20.64	20.94	21.25	21.58	20.22	18.66	17.91	17.17	16.46	15.29
		SC	11.24	13.64	14.33	14.39	14.47	14.61	15.35	15.89	16.03	16.75	15.94	14.95	15.01	15.28	15.41	15.00
DIY-24-HP-WMAH-230C25 DIY-24-HP-C-230C25	65F (18.3C)	TC	19.72	21.21	20.97	22.75	23.10	23.85	24.22	24.10	24.49	24.66	23.47	23.02	21.87	21.48	20.61	19.15
		SC	12.23	14.93	15.10	16.45	17.30	17.34	18.55	18.35	19.17	18.97	19.02	18.95	18.36	19.30	18.83	19.04
	70F (21.1C)	TC	20.85	22.30	22.21	23.69	24.11	24.87	25.36	25.53	25.65	25.69	24.97	24.11	23.00	22.51	21.61	20.15
		SC	12.85	15.60	15.89	17.02	17.94	17.97	19.32	19.32	19.96	19.66	20.13	19.73	19.21	20.14	19.64	19.96
	75F (23.9C)	TC	22.06	23.33	23.56	24.68	25.35	26.35	26.89	26.65	27.17	27.04	26.07	25.27	24.44	23.75	22.65	21.17
		SC	13.52	16.22	16.76	17.63	18.77	18.95	20.37	20.04	21.04	20.57	20.90	20.57	20.29	21.14	20.50	20.87
	80F (26.7C)	TC	23.10	24.45	25.03	25.84	26.55	27.91	28.04	28.17	28.30	28.43	27.44	26.63	25.72	24.76	23.84	22.47
		SC	14.09	16.90	17.72	18.37	19.56	19.95	21.12	21.07	21.79	21.49	21.87	21.54	21.22	21.92	21.46	22.05
DIY-36-HP-WMAH-230C25 DIY-36-HP-C-230C25	65F (18.3C)	TC	27.59	30.91	31.87	32.52	33.16	32.99	33.30	33.95	33.30	33.83	31.69	31.16	29.93	28.88	26.97	25.13
		SC	18.01	21.23	23.04	23.09	24.70	23.82	25.87	26.24	25.59	26.35	25.38	25.50	24.91	25.84	25.26	25.02
	70F (21.1C)	TC	29.29	32.46	33.55	34.41	34.68	34.51	34.73	35.58	35.32	35.31	33.43	32.53	31.71	30.37	28.69	26.31
		SC	19.01	22.17	24.12	24.31	25.67	24.76	26.85	27.35	26.97	27.36	26.65	26.50	26.24	27.02	26.72	26.08
	75F (23.9C)	TC	30.51	34.24	35.20	36.00	36.36	36.33	36.59	37.18	37.49	37.33	35.30	34.49	33.20	31.80	30.45	27.69
		SC	19.68	23.26	25.18	25.31	26.75	25.91	28.16	28.40	28.48	28.74	27.98	27.97	27.32	28.15	28.19	27.36
	80F (26.7C)	TC	32.19	36.43	37.41	37.77	38.11	38.60	38.76	38.93	39.09	39.25	37.55	36.04	34.66	33.16	31.72	29.40
		SC	20.63	24.59	26.60	26.40	27.90	27.41	29.65	29.55	29.52	30.03	29.59	29.09	28.35	29.21	29.22	28.90

***Disclaimer: The unit was tested down to this temperature to show that it will continue to operate, however, it is well below the effective operational range. For more information on the recommended operational range please refer to the Owner's/Install manual.**

4th Gen. 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)		-13F (-25C)	-4F (-20C)	0F (-17.8C)	5F (-15C)	10F(-12.2C)	17F (-8.3C)	20F (-6.7C)	25F (-3.9C)	32F (0C)	35F (1.7C)	40F (4.4C)	47F (8.3C)	50F (10C)	57F (13.9C)
DIY-12-HP-WMAH-115C25 DIY-12-HP-C-115C25	60F (15.6C)	TC	3.94	5.35	5.96	6.62	7.55	8.69	9.22	9.67	10.06	10.57	12.20	13.36	13.95	14.58
		Input	0.75	0.94	0.90	0.87	0.91	0.95	0.96	0.97	0.97	0.98	1.09	1.17	1.21	1.26
	65F (18.3C)	TC	3.84	5.20	5.81	6.39	7.29	8.45	8.96	9.39	9.72	10.26	11.81	13.01	13.60	14.16
		Input	0.77	0.97	0.93	0.89	0.93	0.98	0.99	0.99	1.00	1.01	1.12	1.20	1.24	1.29
	70F (21.1C)	TC	3.75	5.04	5.66	6.18	7.11	8.22	8.66	9.07	9.48	9.93	11.41	12.62	13.19	13.76
		Input	0.80	0.99	0.95	0.92	0.95	1.00	1.01	1.02	1.02	1.03	1.14	1.23	1.28	1.33
	75F (23.9C)	TC	3.61	4.83	5.41	5.95	6.80	7.90	8.32	8.75	9.12	9.51	10.91	12.18	12.65	13.14
		Input	0.82	1.02	0.98	0.95	0.98	1.03	1.04	1.04	1.05	1.06	1.18	1.26	1.32	1.36
DIY-18-HP-WMAH-230C25 DIY-18-HP-C-230C25	60F (15.6C)	TC	6.75	8.80	10.74	12.52	13.95	15.26	15.74	16.34	17.07	17.54	20.27	23.05	23.60	24.34
		Input	1.23	1.36	1.45	1.45	1.57	1.68	1.66	1.65	1.63	1.61	1.71	1.77	1.80	1.80
	65F (18.3C)	TC	6.53	8.55	10.47	12.13	13.54	14.80	15.34	15.94	16.61	17.11	19.72	22.27	22.91	23.67
		Input	1.27	1.39	1.48	1.49	1.61	1.72	1.70	1.69	1.67	1.66	1.76	1.82	1.84	1.86
	70F (21.1C)	TC	6.32	8.30	10.20	11.79	13.11	14.43	14.97	15.55	16.14	16.67	19.13	21.64	22.33	22.94
		Input	1.30	1.43	1.52	1.52	1.65	1.77	1.75	1.74	1.73	1.71	1.80	1.87	1.89	1.90
	75F (23.9C)	TC	6.05	8.01	9.82	11.29	12.57	13.84	14.31	14.99	15.57	15.98	18.29	20.82	21.44	22.05
		Input	1.34	1.48	1.57	1.56	1.70	1.81	1.80	1.78	1.77	1.77	1.85	1.92	1.95	1.95
DIY-24-HP-WMAH-230C25 DIY-24-HP-C-230C25	60F (15.6C)	TC	10.97	11.90	13.42	15.01	17.57	19.65	20.69	21.55	22.67	23.37	28.01	32.41	33.43	34.49
		Input	2.25	2.02	2.13	2.30	2.41	2.46	2.48	2.52	2.54	2.57	2.87	3.05	2.95	2.85
	65F (18.3C)	TC	10.69	11.58	12.98	14.60	17.11	18.98	20.07	20.98	22.03	22.80	27.09	31.35	32.30	33.39
		Input	2.29	2.08	2.19	2.35	2.48	2.54	2.55	2.58	2.62	2.63	2.94	3.13	3.01	2.92
	70F (21.1C)	TC	10.33	11.23	12.56	14.13	16.55	18.52	19.43	20.35	21.28	22.18	26.35	30.44	31.30	32.26
		Input	2.36	2.14	2.25	2.41	2.55	2.61	2.63	2.66	2.68	2.69	3.00	3.23	3.08	2.99
	75F (23.9C)	TC	9.88	10.82	12.11	13.50	15.93	17.72	18.73	19.47	20.52	21.20	25.35	29.37	30.21	30.94
		Input	2.43	2.21	2.32	2.48	2.64	2.68	2.70	2.73	2.76	2.77	3.09	3.31	3.19	3.06
DIY-36-HP-WMAH-230C25 DIY-36-HP-C-230C25	60F (15.6C)	TC	16.24	16.38	18.55	21.28	20.64	20.26	21.89	23.29	24.88	26.25	33.12	39.20	40.24	41.71
		Input	2.94	2.98	3.04	3.12	3.09	3.04	3.04	3.04	3.05	3.04	3.05	3.61	4.04	4.01
	65F (18.3C)	TC	15.69	15.88	18.08	20.72	20.14	19.69	21.17	22.55	24.13	25.49	32.03	38.09	39.26	40.38
		Input	3.01	3.06	3.12	3.20	3.16	3.13	3.12	3.13	3.13	3.14	3.70	4.15	4.13	4.10
	70F (21.1C)	TC	15.22	15.50	17.61	20.08	19.63	19.21	20.53	21.95	23.36	24.67	31.22	37.02	38.23	39.24
		Input	3.09	3.15	3.21	3.28	3.24	3.21	3.20	3.21	3.22	3.21	3.80	4.26	4.24	4.21
	75F (23.9C)	TC	14.54	14.94	16.97	19.30	18.84	18.38	19.69	21.01	22.47	23.56	30.06	35.61	36.55	37.79
		Input	3.19	3.25	3.30	3.38	3.36	3.33	3.28	3.32	3.33	3.32	3.91	4.38	4.36	4.35