

TC—Total Capacity of Outdoor Unit; PI—Power Input of Outdoor Unit																				
Connection Ratio	Outdoor Air Temperature (°F)		Indoor Air Temperature (°F DB)																	
			60.8			64.4			68.0			69.8			71.6			75.2		
	°F DB	°F WB	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W
135%	-22.0	-22.2	35.3	2.90	3.57	35.2	3.16	3.26	35.1	3.54	2.90	35.0	3.42	3.00	35.0	3.92	2.61	34.9	4.13	2.48
	-16.6	-16.8	36.4	3.07	3.47	36.3	3.33	3.19	36.2	3.66	2.90	36.1	3.61	2.93	36.0	4.00	2.64	36.0	4.23	2.50
	-12.6	-13.0	40.7	3.25	3.68	40.6	3.50	3.40	40.5	3.78	3.14	40.4	3.80	3.11	40.3	4.09	2.89	40.3	4.32	2.73
	-7.0	-7.6	44.3	3.41	3.80	44.1	3.67	3.53	44.0	3.89	3.32	43.9	3.98	3.23	43.8	4.16	3.08	43.8	4.42	2.91
	-3.6	-4.0	44.5	3.47	3.76	44.4	3.72	3.50	44.2	3.93	3.30	44.1	4.04	3.20	44.1	4.19	3.08	44.0	4.45	2.90
	-1.8	-2.2	44.9	3.53	3.73	44.7	3.77	3.48	44.7	3.96	3.31	44.7	4.10	3.19	44.5	4.22	3.10	44.4	4.48	2.91
	1.9	1.4	45.6	3.61	3.70	45.5	3.84	3.47	45.4	4.03	3.30	45.4	4.13	3.22	45.3	4.26	3.11	45.1	4.51	2.93
	7.3	5.0	46.4	3.69	3.69	46.3	3.91	3.47	46.1	4.07	3.32	46.2	4.19	3.23	46.1	4.32	3.13	45.9	4.53	2.97
	10.8	8.6	47.1	3.76	3.67	47.0	3.95	3.49	46.8	4.10	3.35	46.9	4.23	3.25	46.7	4.33	3.17	46.8	4.56	3.01
	14.4	12.2	47.9	3.81	3.68	47.7	4.00	3.50	47.6	4.14	3.37	47.7	4.24	3.29	47.7	4.35	3.22	47.6	4.55	3.07
	14.9	14.0	48.2	3.82	3.69	48.1	4.00	3.52	48.1	4.15	3.40	48.0	4.24	3.32	48.1	4.35	3.23	47.9	4.53	3.10
	16.7	15.6	48.7	3.85	3.70	48.5	4.02	3.54	48.5	4.14	3.43	48.5	4.25	3.34	48.3	4.33	3.27	48.4	4.54	3.13
	19.4	18.3	49.2	3.87	3.73	49.0	4.02	3.58	49.1	4.15	3.47	49.0	4.23	3.40	49.0	4.33	3.31	48.9	4.51	3.17
	23.0	21.9	53.1	4.12	3.78	53.0	4.19	3.70	53.0	4.40	3.53	52.9	4.48	3.46	52.8	4.57	3.39	52.7	4.73	3.27
	26.6	25.3	53.8	4.11	3.83	53.7	4.26	3.69	53.7	4.35	3.61	53.6	4.45	3.53	53.5	4.52	3.47	53.3	4.68	3.34
	32.0	30.7	54.9	4.08	3.94	54.8	4.20	3.82	54.7	4.28	3.75	54.7	4.35	3.68	54.6	4.43	3.61	54.7	4.57	3.50
	37.4	36.0	58.2	4.17	4.09	60.1	4.44	3.97	60.0	4.52	3.89	60.0	4.58	3.84	59.9	4.65	3.78	59.8	4.78	3.67
	41.0	39.4	67.1	4.70	4.19	74.5	5.36	4.07	70.6	5.15	4.02	67.9	5.04	3.95	65.2	4.91	3.89	60.9	4.71	3.79
	44.6	42.8	73.2	4.99	4.30	75.9	5.31	4.19	70.6	5.01	4.14	67.9	4.37	4.56	65.3	4.76	4.02	61.5	4.50	4.01
	48.2	46.2	73.3	4.85	4.42	76.0	5.16	4.32	70.7	4.85	4.27	68.0	4.74	4.21	65.8	4.60	4.20	61.5	4.23	4.26
	51.8	49.6	73.3	4.71	4.56	76.0	4.99	4.46	70.7	4.69	4.42	68.0	4.49	4.44	65.8	4.32	4.47	61.5	3.99	4.53
	55.4	53.2	74.8	4.65	4.71	76.0	4.83	4.61	70.7	4.39	4.72	68.0	4.21	4.73	65.8	4.06	4.76	61.5	3.74	4.82
	59.0	56.7	78.4	4.73	4.85	76.0	4.55	4.89	70.7	4.14	5.00	68.0	3.97	5.02	65.8	3.82	5.05	61.5	3.53	5.11
	64.4	62.2	78.4	4.48	5.13	75.8	4.32	5.14	70.6	3.92	5.27	68.1	3.78	5.28	65.8	3.61	5.34	61.5	3.35	5.38
	68.0	65.3	78.4	4.26	5.39	75.8	4.13	5.38	70.6	3.75	5.53	68.1	3.61	5.53	65.8	3.43	5.62	61.5	3.20	5.63
	75.2	68.9	78.4	4.08	5.63	75.8	3.97	5.59	70.6	3.60	5.75	68.1	3.47	5.75	65.8	3.28	5.88	61.5	3.09	5.84
120%	-22.0	-22.2	34.8	3.32	3.07	34.7	3.57	2.85	34.6	4.49	2.26	34.5	3.86	2.62	34.5	4.08	2.48	34.4	4.41	2.28
	-16.6	-16.8	35.8	3.47	3.03	35.7	3.71	2.82	35.6	4.41	2.37	35.6	4.01	2.61	35.6	4.20	2.48	35.5	4.50	2.31
	-12.6	-13.0	40.2	3.62	3.25	40.1	3.86	3.05	40.0	4.33	2.71	39.9	4.15	2.82	39.9	4.31	2.71	39.8	4.59	2.54
	-7.0	-7.6	44.0	3.76	3.43	43.9	3.99	3.22	43.7	4.25	3.02	43.7	4.29	2.99	43.7	4.42	2.89	43.5	4.68	2.73
	-3.6	-4.0	44.4	3.81	3.41	44.2	4.04	3.21	44.1	4.22	3.06	44.1	4.34	2.98	44.0	4.46	2.89	43.9	4.71	2.73
	-1.8	-2.2	44.7	3.86	3.40	44.6	4.09	3.20	44.5	4.19	3.11	44.5	4.38	2.98	44.4	4.49	2.90	44.3	4.74	2.74
	1.9	1.4	45.5	3.92	3.40	45.4	4.14	3.21	45.2	4.28	3.10	45.3	4.42	3.00	45.1	4.52	2.93	45.2	4.76	2.78
	7.3	5.0	46.3	3.98	3.41	46.1	4.18	3.23	46.1	4.33	3.12	46.1	4.44	3.04	46.1	4.56	2.97	46.0	4.77	2.82
	10.8	8.6	47.0	4.03	3.41	46.8	4.20	3.27	46.8	4.34	3.16	46.7	4.44	3.08	46.8	4.57	3.00	46.7	4.75	2.88
	14.4	12.2	47.7	4.06	3.44	47.6	4.23	3.30	47.7	4.35	3.21	47.7	4.47	3.13	47.6	4.55	3.06	47.5	4.75	2.93
	14.9	14.0	48.1	4.07	3.46	48.0	4.24	3.32	48.0	4.36	3.23	48.0	4.45	3.16	47.9	4.50	3.12	47.8	4.72	2.97
	16.7	15.6	48.5	4.09	3.48	48.5	4.26	3.34	48.5	4.35	3.26	48.3	4.45	3.19	48.4	4.54	3.12	48.2	4.72	3.00
	19.4	18.3	49.0	4.09	3.51	49.0	4.24	3.39	49.0	4.34	3.31	48.8	4.41	3.24	48.9	4.52	3.17	48.8	4.66	3.06
	23.0	21.9	53.0	4.33	3.59	52.8	4.48	3.46	52.7	4.57	3.38	52.8	4.66	3.32	52.8	4.75	3.26	52.7	4.91	3.15
	26.6	25.3	53.7	4.31	3.65	53.5	4.44	3.54	53.4	4.52	3.47	53.5	4.60	3.41	53.5	4.70	3.34	53.4	4.83	3.24
	32.0	30.7	54.8	4.26	3.77	54.7	4.36	3.67	54.7	4.49	3.57	54.6	4.50	3.55	54.7	4.59	3.49	54.6	4.71	3.40
	37.4	36.0	59.9	4.47	3.93	60.0	4.60	3.82	59.9	4.64	3.78	59.8	4.72	3.71	59.8	4.78	3.66	57.1	4.65	3.60
	41.0	39.4	74.5	5.41	4.04	70.1	5.21	3.94	65.1	4.90	3.89	62.6	4.79	3.83	61.0	4.73	3.78	57.1	4.37	3.83
	44.6	42.8	75.0	5.29	4.16	70.1	5.05	4.07	65.2	4.75	4.02	63.1	4.62	4.00	61.0	4.44	4.03	57.1	4.11	4.07
	48.2	46.2	75.1	5.14	4.28	70.2	4.91	4.19	65.3	4.52	4.23	63.1	4.34	4.26	61.0	4.18	4.28	57.1	3.87	4.32
	51.8	49.6	75.1	4.98	4.42	70.2	4.68	4.39	65.3	4.25	4.50	63.1	4.09	4.52	61.0	3.93	4.55	57.1	3.65	4.59
	55.4	53.2	75.1	4.76	4.63	70.2	4.39	4.68	65.3	3.99	4.79	63.1	3.84	4.81	61.0	3.70	4.84	57.1	3.43	4.88
	59.0	56.7	75.1	4.48	4.92	70.2	4.14	4.97	65.3	3.77	5.08	63.1	3.62	5.11	61.0	3.49	5.13	57.1	3.24	5.17
	64.4	62.2	75.1	4.23	5.20	70.1	3.91	5.25	65.3	3.58	5.35	63.1	3.43	5.39	61.0	3.30	5.41	57.0	3.07	5.45
	68.0	65.3	75.1	4.01	5.49	70.1	3.73	5.50	65.3	3.43	5.59	63.1	3.27	5.65	61.0	3.15	5.68	57.0	2.92	5.72
	75.2	68.9	75.1	3.81	5.77	70.1	3.58	5.74	65.3	3.30	5.80	63.1	3.14	5.89	61.0	3.02	5.92	57.0	2.80	5.96

TC—Total Capacity of Outdoor Unit; PI—Power Input of Outdoor Unit																				
Connection Ratio	Outdoor Air Temperature (°F)		Indoor Air Temperature (°F DB)																	
			60.8			64.4			68.0			69.8			71.6			75.2		
	°F DB	°F WB	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W
110%	-22.0	-22.2	33.7	3.75	2.63	33.6	4.20	2.34	33.5	4.44	2.21	33.5	4.57	2.15	33.4	4.44	2.20	33.4	5.14	1.91
	-16.6	-16.8	36.4	3.87	2.75	36.3	4.25	2.50	36.2	4.46	2.38	36.2	4.59	2.31	36.1	4.53	2.33	36.1	5.10	2.08
	-12.6	-13.0	39.1	4.00	2.87	39.0	4.30	2.66	38.9	4.49	2.54	38.9	4.61	2.47	38.8	4.62	2.46	38.8	5.05	2.25
	-7.0	-7.6	42.9	4.11	3.06	42.8	4.35	2.88	42.7	4.51	2.77	42.7	4.63	2.70	42.6	4.71	2.65	42.6	5.01	2.49
	-3.6	-4.0	44.2	4.15	3.12	44.1	4.36	2.96	44.0	4.52	2.85	44.0	4.64	2.78	43.9	4.74	2.72	43.9	4.99	2.58
	-1.8	-2.2	44.6	4.19	3.12	44.5	4.38	2.98	44.4	4.52	2.87	44.4	4.64	2.80	44.3	4.77	2.72	44.2	4.98	2.60
	1.9	1.4	45.4	4.24	3.14	45.2	4.44	2.99	45.1	4.55	2.91	45.1	4.68	2.83	45.1	4.79	2.76	45.1	5.01	2.64
	7.3	5.0	46.1	4.27	3.16	46.0	4.46	3.02	45.9	4.58	2.94	45.9	4.69	2.87	46.0	4.80	2.81	45.8	5.00	2.69
	10.8	8.6	46.8	4.31	3.18	46.8	4.47	3.07	46.7	4.59	2.99	46.6	4.67	2.93	46.7	4.79	2.85	46.5	4.96	2.75
	14.4	12.2	47.6	4.32	3.23	47.5	4.48	3.11	47.5	4.57	3.05	47.4	4.67	2.97	47.5	4.76	2.92	47.3	4.92	2.82
	14.9	14.0	48.0	4.31	3.26	48.0	4.48	3.14	47.9	4.58	3.07	47.8	4.65	3.01	47.8	4.74	2.96	47.7	4.91	2.85
	16.7	15.6	48.4	4.32	3.28	48.3	4.47	3.16	48.3	4.56	3.11	48.2	4.63	3.05	48.2	4.74	2.98	48.1	4.88	2.89
	19.4	18.3	48.9	4.32	3.32	48.8	4.43	3.23	48.8	4.53	3.16	48.7	4.60	3.10	48.8	4.63	3.09	48.6	4.84	2.95
	23.0	21.9	52.8	4.55	3.41	52.7	4.69	3.30	52.6	4.76	3.24	52.7	4.84	3.19	52.7	4.71	3.28	51.2	4.95	3.03
	26.6	25.3	53.5	4.51	3.48	53.4	4.62	3.39	53.3	4.69	3.33	53.3	4.77	3.28	53.4	4.49	3.49	51.2	4.79	3.13
	32.0	30.7	54.7	4.43	3.62	54.7	4.54	3.53	54.6	4.60	3.48	54.5	4.65	3.44	56.1	4.66	3.53	51.9	4.55	3.34
	37.4	36.0	59.8	4.64	3.78	59.9	4.75	3.69	59.7	4.79	3.66	58.2	4.73	3.60	56.0	4.53	3.62	51.9	4.14	3.67
	41.0	39.4	68.8	5.18	3.90	64.3	4.93	3.82	59.8	4.59	3.82	57.5	4.39	3.83	56.1	4.26	3.85	51.9	3.90	3.91
	44.6	42.8	68.9	5.02	4.02	64.3	4.76	3.96	59.9	4.32	4.07	57.5	4.14	4.08	56.1	4.01	4.10	51.9	3.67	4.15
	48.2	46.2	69.0	4.86	4.16	64.4	4.48	4.22	60.0	4.07	4.32	57.6	3.90	4.33	56.1	3.77	4.35	51.9	3.46	4.40
	51.8	49.6	69.0	4.57	4.42	64.4	4.21	4.48	60.0	3.83	4.59	57.6	3.67	4.59	56.1	3.56	4.62	51.9	3.26	4.66
	55.4	53.2	69.0	4.29	4.71	64.4	3.95	4.78	60.0	3.60	4.88	57.6	3.46	4.88	56.1	3.35	4.91	51.9	3.07	4.95
	59.0	56.7	69.0	4.04	5.00	64.4	3.73	5.06	60.0	3.40	5.16	57.6	3.26	5.17	56.1	3.17	5.19	51.9	2.91	5.23
	64.4	62.2	68.9	3.82	5.29	64.5	3.54	5.34	60.0	3.11	5.66	57.6	3.09	5.46	56.1	3.02	5.44	51.9	2.77	5.50
	68.0	65.3	68.9	3.63	5.57	64.5	3.36	5.62	60.0	2.95	5.96	57.6	2.95	5.73	56.1	2.89	5.68	51.9	2.65	5.75
	75.2	68.9	68.9	3.46	5.84	64.5	3.21	5.89	60.0	2.81	6.26	57.6	2.82	5.98	56.1	2.79	5.89	51.9	2.55	5.97
100%	-22.0	-22.2	32.5	4.17	2.28	32.5	4.91	1.94	32.4	4.62	2.05	32.2	4.94	1.91	32.2	4.78	1.97	32.1	5.35	1.76
	-16.6	-16.8	35.2	4.26	2.42	35.2	4.85	2.13	35.1	4.67	2.20	34.9	4.93	2.08	34.9	4.85	2.11	34.8	5.31	1.92
	-12.6	-13.0	37.9	4.36	2.55	37.9	4.78	2.33	37.8	4.73	2.34	37.6	4.92	2.24	37.6	4.92	2.24	37.5	5.27	2.08
	-7.0	-7.6	42.2	4.45	2.78	42.3	4.72	2.63	42.1	4.78	2.58	41.9	4.91	2.50	41.9	4.98	2.46	41.8	5.23	2.34
	-3.6	-4.0	44.0	4.48	2.88	44.1	4.70	2.75	43.9	4.79	2.68	43.7	4.90	2.61	43.6	5.00	2.56	43.5	5.22	2.44
	-1.8	-2.2	44.4	4.51	2.88	44.2	4.67	2.77	44.2	4.81	2.70	44.1	4.90	2.64	44.0	5.02	2.56	43.8	5.21	2.47
	1.9	1.4	45.1	4.54	2.91	44.9	4.71	2.79	44.7	4.79	2.74	44.8	4.90	2.68	44.7	5.01	2.61	44.5	5.18	2.52
	7.3	5.0	45.9	4.55	2.95	45.7	4.72	2.84	45.7	4.81	2.78	45.6	4.92	2.72	45.3	4.99	2.67	45.2	5.17	2.56
	10.8	8.6	46.6	4.57	2.99	46.4	4.70	2.89	46.4	4.80	2.83	46.3	4.88	2.78	46.0	4.77	2.83	45.9	5.12	2.63
	14.4	12.2	47.3	4.55	3.05	47.2	4.70	2.94	47.2	4.77	2.90	47.0	4.84	2.85	46.7	4.91	2.79	45.9	4.98	2.70
	14.9	14.0	47.7	4.54	3.08	47.7	4.69	2.98	47.5	4.74	2.94	47.6	4.85	2.88	47.1	4.88	2.83	45.9	4.92	2.73
	16.7	15.6	48.0	4.53	3.11	47.9	4.65	3.02	47.9	4.73	2.97	47.7	4.79	2.92	47.4	4.86	2.86	45.9	4.84	2.78
	19.4	18.3	48.5	4.50	3.15	48.5	4.63	3.07	48.3	4.68	3.02	48.2	4.75	2.97	47.9	4.79	2.93	45.9	4.74	2.84
	23.0	21.9	51.9	4.70	3.24	51.8	4.81	3.15	51.8	4.87	3.12	51.7	4.95	3.06	50.7	4.93	3.02	47.7	4.75	2.94
	26.6	25.3	52.6	4.65	3.32	52.5	4.74	3.25	52.5	4.80	3.20	52.0	4.82	3.16	50.7	4.77	3.12	47.7	4.49	3.11
	32.0	30.7	53.7	4.53	3.47	53.5	4.61	3.40	53.5	4.66	3.36	52.5	4.58	3.36	50.7	4.40	3.38	47.7	4.09	3.42
	37.4	36.0	58.6	4.71	3.65	58.1	4.77	3.57	54.0	4.31	3.67	52.5	4.17	3.69	50.7	4.01	3.71	47.7	3.72	3.75
	41.0	39.4	62.2	4.85	3.76	58.1	4.48	3.80	54.0	4.06	3.90	52.5	3.93	3.92	50.7	3.78	3.93	47.7	3.51	3.98
	44.6	42.8	62.2	4.57	3.99	58.1	4.21	4.04	54.0	3.77	4.20	52.5	3.70	4.16	50.7	3.56	4.18	47.7	3.31	4.22
	48.2	46.2	62.2	4.30	4.24	58.1	3.96	4.30	54.0	3.58	4.42	52.5	3.49	4.41	50.7	3.36	4.43	47.7	3.12	4.47
	51.8	49.6	62.2	4.05	4.51	58.1	3.73	4.56	54.0	3.38	4.68	52.5	3.29	4.68	50.7	3.17	4.69	47.7	2.95	4.73
	55.4	53.2	62.2	3.80	4.80	58.1	3.51	4.85	54.0	3.18	4.97	52.5	3.10	4.96	50.7	2.99	4.98	47.7	2.78	5.02
	59.0	56.7	62.2	3.58	5.09	58.1	3.31	5.14	54.0	3.01	5.26	52.5	2.93	5.25	50.7	2.82	5.26	47.7	2.64	5.29
	64.4	62.2	62.2	3.38	5.40	58.2	3.16	5.39	54.0	2.91	5.44	52.5	2.78	5.53	50.7	2.68	5.56	47.7	2.51	5.56
	68.0	65.3	62.2	3.19	5.72	58.1	3.03	5.61	54.0	2.79	5.66	52.5	2.66	5.79	50.7	2.55	5.83	47.7	2.41	5.79
	75.2	68.9	62.2	3.02	6.05	58.1	2.93	5.81	54.0	2.69	5.89	52.4	2.56	6.01	50.7	2.45	6.07	47.7	2.34	5.98

TC—Total Capacity of Outdoor Unit; PI—Power Input of Outdoor Unit																				
Connection Ratio	Outdoor Air Temperature (°F)		Indoor Air Temperature (°F DB)																	
			60.8			64.4			68.0			69.8			71.6			75.2		
	° DB	° WB	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W
90%	-22.0	-22.2	39.1	4.60	2.49	39.0	4.97	2.30	38.9	4.87	2.34	39.0	5.27	2.17	39.0	5.46	2.09	37.0	5.53	1.96
	-16.6	-16.8	40.2	4.67	2.52	40.1	4.98	2.36	40.0	4.93	2.38	40.0	5.25	2.23	40.1	5.42	2.17	38.0	5.43	2.05
	-12.6	-13.0	41.8	4.73	2.59	41.7	4.99	2.45	41.6	4.99	2.44	41.7	5.23	2.33	41.7	5.37	2.28	39.5	5.34	2.17
	-7.0	-7.6	43.5	4.80	2.65	43.3	4.99	2.54	43.2	5.05	2.51	43.3	5.21	2.43	43.3	5.33	2.38	41.1	5.24	2.29
	-3.6	-4.0	43.8	4.82	2.67	43.7	5.00	2.56	43.6	5.07	2.52	43.7	5.20	2.46	43.7	5.32	2.41	41.4	5.21	2.33
	-1.8	-2.2	44.2	4.84	2.68	44.1	5.00	2.59	44.0	5.09	2.53	44.1	5.20	2.48	44.1	5.30	2.44	41.5	5.18	2.34
	1.9	1.4	45.0	4.86	2.71	44.8	5.02	2.62	44.9	5.10	2.58	44.8	5.18	2.53	44.8	5.30	2.48	41.5	5.07	2.40
	7.3	5.0	45.7	4.85	2.76	45.6	5.01	2.67	45.7	5.08	2.64	45.6	5.13	2.60	45.5	5.25	2.54	41.6	4.96	2.46
	10.8	8.6	46.4	4.85	2.81	46.3	4.97	2.73	46.4	5.05	2.69	46.3	5.13	2.65	45.5	5.12	2.60	41.6	4.84	2.52
	14.4	12.2	47.3	4.82	2.88	47.2	4.94	2.80	47.1	5.00	2.76	47.2	5.09	2.72	45.5	4.98	2.68	41.7	4.71	2.59
	14.9	14.0	47.7	4.79	2.91	47.6	4.93	2.83	47.5	4.96	2.80	47.4	5.05	2.75	45.5	4.93	2.71	42.0	4.66	2.64
	16.7	15.6	47.9	4.77	2.94	47.8	4.88	2.87	47.8	4.94	2.84	47.4	4.97	2.80	45.5	4.85	2.75	42.5	4.64	2.69
	19.4	18.3	48.3	4.73	3.00	48.4	4.84	2.93	48.3	4.89	2.89	47.3	4.86	2.85	45.5	4.73	2.82	42.5	4.43	2.81
	23.0	21.9	51.8	4.91	3.09	51.7	5.02	3.02	48.8	4.78	3.00	47.0	4.66	2.96	45.4	4.51	2.95	42.5	4.17	2.99
	26.6	25.3	52.5	4.84	3.18	52.4	4.39	3.49	48.8	4.60	3.11	47.0	4.42	3.12	45.4	4.25	3.13	42.5	3.93	3.17
	32.0	30.7	53.5	4.69	3.35	52.4	4.10	3.75	48.8	4.18	3.43	47.0	4.02	3.43	45.4	3.86	3.45	42.5	3.57	3.49
	37.4	36.0	56.1	4.55	3.61	52.4	4.19	3.66	48.8	3.81	3.76	47.0	3.67	3.76	45.4	3.53	3.78	42.5	3.27	3.81
	41.0	39.4	56.1	4.28	3.84	52.4	3.94	3.89	48.8	3.59	3.98	47.0	3.46	3.99	45.4	3.33	4.00	42.5	3.08	4.04
	44.6	42.8	56.1	4.02	4.09	52.4	3.71	4.13	48.8	3.39	4.23	47.0	3.26	4.22	45.4	3.14	4.24	42.5	2.91	4.28
	48.2	46.2	56.1	3.79	4.34	52.4	3.50	4.39	48.8	3.19	4.48	47.0	3.08	4.48	45.4	2.97	4.49	42.5	2.75	4.52
	51.8	49.6	56.1	3.57	4.61	52.4	3.30	4.66	48.8	3.02	4.74	47.0	2.91	4.73	45.4	2.80	4.75	42.5	2.61	4.77
	55.4	53.2	56.1	3.36	4.89	52.4	3.11	4.94	48.8	2.85	5.03	47.0	2.75	5.02	45.4	2.65	5.02	42.5	2.46	5.06
	59.0	56.7	56.1	3.18	5.18	52.4	2.94	5.23	48.8	2.70	5.30	47.0	2.59	5.31	45.4	2.51	5.30	42.5	2.34	5.33
	64.4	62.2	56.1	3.00	5.48	52.4	2.78	5.53	48.9	2.56	5.59	47.0	2.45	5.62	45.4	2.38	5.59	42.5	2.22	5.60
	68.0	65.3	56.1	2.83	5.80	52.4	2.62	5.85	48.9	2.43	5.88	47.0	2.31	5.96	45.4	2.26	5.88	42.5	2.12	5.87
	75.2	68.9	56.1	2.68	6.14	52.5	2.48	6.20	48.9	2.31	6.20	47.0	2.18	6.31	45.4	2.15	6.20	42.5	2.03	6.14
80%	-22.0	-22.2	43.6	5.03	2.54	43.5	5.40	2.36	43.4	5.68	2.24	41.7	5.57	2.20	40.2	5.82	2.02	37.6	5.37	2.05
	-16.6	-16.8	43.6	5.07	2.52	43.5	5.38	2.37	43.4	5.58	2.28	41.7	5.47	2.23	40.2	5.62	2.09	37.6	5.25	2.10
	-12.6	-13.0	43.7	5.11	2.51	43.6	5.35	2.39	43.5	5.49	2.32	41.8	5.38	2.28	40.3	5.43	2.18	37.7	5.14	2.15
	-7.0	-7.6	43.7	5.15	2.49	43.6	5.33	2.40	43.5	5.39	2.36	41.8	5.28	2.32	40.3	5.24	2.25	37.7	5.03	2.20
	-3.6	-4.0	43.7	5.17	2.48	43.6	5.32	2.40	43.5	5.36	2.37	41.8	5.25	2.33	40.3	5.18	2.28	37.7	4.99	2.21
	-1.8	-2.2	44.1	5.18	2.50	44.0	5.31	2.43	43.5	5.33	2.39	41.9	5.22	2.35	40.3	5.12	2.31	37.7	4.95	2.23
	1.9	1.4	44.8	5.17	2.54	44.7	5.32	2.46	43.5	5.23	2.44	41.9	5.11	2.40	40.4	5.00	2.37	38.1	4.87	2.29
	7.3	5.0	45.6	5.15	2.60	45.5	5.28	2.52	43.6	5.11	2.50	42.0	4.99	2.47	40.5	4.91	2.42	38.1	4.74	2.35
	10.8	8.6	46.3	5.12	2.65	46.2	5.23	2.59	43.6	4.99	2.56	42.0	4.87	2.53	40.5	4.77	2.49	38.1	4.52	2.47
	14.4	12.2	47.1	5.06	2.72	46.9	5.16	2.66	43.7	4.85	2.64	42.0	4.73	2.60	40.5	4.60	2.58	38.1	4.27	2.61
	14.9	14.0	47.4	5.03	2.76	47.0	5.10	2.70	43.7	4.77	2.68	42.1	4.66	2.65	40.5	4.47	2.66	38.1	4.14	2.69
	16.7	15.6	47.8	5.01	2.80	47.0	5.03	2.74	43.7	4.72	2.72	42.1	4.55	2.71	40.5	4.36	2.73	38.1	4.03	2.76
	19.4	18.3	48.2	4.95	2.86	46.9	4.91	2.80	43.6	4.52	2.83	42.0	4.33	2.84	40.5	4.16	2.85	38.1	3.87	2.88
	23.0	21.9	50.0	4.42	3.32	46.6	4.68	2.92	43.4	4.23	3.01	42.0	4.08	3.02	40.5	3.91	3.03	38.1	3.63	3.07
	26.6	25.3	50.0	4.27	3.43	46.6	4.40	3.10	43.4	3.98	3.19	42.0	3.86	3.19	40.5	3.69	3.22	38.1	3.43	3.25
	32.0	30.7	50.0	4.35	3.37	46.6	4.00	3.42	43.4	3.63	3.50	42.0	3.51	3.51	40.5	3.36	3.53	38.1	3.13	3.56
	37.4	36.0	50.0	3.96	3.70	46.6	3.65	3.75	43.4	3.32	3.83	42.0	3.20	3.84	40.5	3.08	3.85	38.1	2.87	3.88
	41.0	39.4	50.0	3.73	3.93	46.6	3.44	3.97	43.4	3.13	4.06	42.0	3.03	4.07	40.5	2.91	4.07	38.1	2.72	4.11
	44.6	42.8	50.0	3.51	4.17	46.6	3.25	4.20	43.4	2.96	4.29	42.0	2.86	4.30	40.5	2.75	4.31	38.1	2.57	4.34
	48.2	46.2	50.0	3.32	4.42	46.6	3.06	4.46	43.4	2.81	4.52	42.0	2.70	4.55	40.5	2.60	4.55	38.1	2.44	4.58
	51.8	49.6	50.0	3.13	4.68	46.6	2.89	4.72	43.4	2.65	4.80	42.0	2.56	4.81	40.5	2.46	4.81	38.1	2.31	4.83
	55.4	53.2	50.0	2.95	4.97	46.6	2.73	5.00	43.4	2.51	5.07	42.0	2.42	5.08	40.5	2.33	5.09	38.1	2.18	5.11
	59.0	56.7	50.0	2.79	5.25	46.6	2.59	5.28	43.4	2.38	5.35	42.0	2.30	5.36	40.5	2.21	5.36	38.1	2.08	5.37
	64.4	62.2	50.1	2.67	5.50	46.6	2.46	5.55	43.4	2.26	5.62	41.9	2.18	5.64	40.5	2.10	5.65	38.1	1.98	5.62
	68.0	65.3	50.1	2.56	5.72	46.6	2.36	5.79	43.4	2.16	5.87	41.9	2.08	5.91	40.5	2.00	5.94	38.1	1.89	5.89
	75.2	68.9	50.1	2.49	5.90	46.6	2.29	5.98	43.4	2.08	6.13	41.9	1.99	6.18	40.5	1.91	6.21	38.1	1.81	6.15

TC—Total Capacity of Outdoor Unit; PI—Power Input of Outdoor Unit																				
Connection Ratio	Outdoor Air Temperature (°F)		Indoor Air Temperature (°F DB)																	
			60.8			64.4			68.0			69.8			71.6			75.2		
	° DB	° WB	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W	kBtu/h	kW	W/W
70%	-22.0	-22.2	43.3	5.38	2.36	40.8	5.90	2.02	38.1	5.34	2.09	36.6	5.22	2.05	35.2	5.11	2.02	33.3	5.54	1.76
	-16.6	-16.8	43.3	5.41	2.35	40.8	5.72	2.09	38.1	5.24	2.13	36.6	5.11	2.10	35.2	5.01	2.06	33.3	5.25	1.86
	-12.6	-13.0	43.4	5.44	2.34	40.9	5.55	2.16	38.2	5.13	2.18	36.7	5.00	2.15	35.3	4.90	2.11	33.4	4.97	1.97
	-7.0	-7.6	43.4	5.48	2.32	40.9	5.37	2.23	38.2	5.02	2.23	36.7	4.90	2.19	35.3	4.79	2.16	33.4	4.68	2.09
	-3.6	-4.0	43.4	5.49	2.32	40.9	5.31	2.25	38.2	4.98	2.24	36.7	4.86	2.21	35.3	4.76	2.18	33.4	4.59	2.14
	-1.8	-2.2	43.8	5.50	2.33	40.9	5.25	2.28	38.2	4.95	2.26	36.7	4.83	2.23	35.4	4.72	2.19	33.4	4.49	2.18
	1.9	1.4	43.8	5.38	2.39	41.0	5.14	2.34	38.2	4.83	2.32	36.7	4.71	2.29	35.4	4.60	2.26	33.4	4.29	2.29
	7.3	5.0	43.9	5.26	2.45	41.0	5.04	2.39	38.3	4.71	2.38	36.8	4.47	2.41	35.5	4.38	2.37	33.4	4.08	2.40
	10.8	8.6	43.9	5.13	2.51	41.0	4.89	2.46	38.3	4.50	2.50	36.8	4.33	2.49	35.5	4.15	2.50	33.4	3.87	2.53
	14.4	12.2	44.0	4.99	2.59	41.1	4.71	2.56	38.4	4.26	2.64	36.9	4.10	2.64	35.5	3.93	2.65	33.4	3.66	2.68
	14.9	14.0	44.0	4.91	2.63	41.1	4.57	2.63	38.4	4.14	2.72	36.9	3.98	2.72	35.5	3.82	2.72	33.4	3.56	2.75
	16.7	15.6	44.0	4.83	2.67	41.1	4.45	2.71	38.4	4.03	2.79	36.9	3.88	2.79	35.5	3.72	2.80	33.4	3.47	2.82
	19.4	18.3	43.9	4.61	2.79	41.0	4.24	2.83	38.3	3.85	2.92	36.8	3.71	2.91	35.5	3.56	2.92	33.4	3.32	2.95
	23.0	21.9	43.7	4.30	2.97	40.8	3.97	3.01	38.1	3.61	3.09	36.6	3.47	3.09	35.5	3.35	3.10	33.4	3.14	3.12
	26.6	25.3	43.7	4.05	3.16	40.8	3.74	3.20	38.1	3.41	3.28	36.6	3.28	3.27	35.5	3.17	3.28	33.4	2.96	3.30
	32.0	30.7	43.7	3.69	3.47	40.8	3.43	3.49	38.1	3.11	3.59	36.6	3.00	3.58	35.5	2.90	3.58	33.4	2.72	3.60
	37.4	36.0	43.7	3.37	3.80	40.8	3.12	3.83	38.1	2.86	3.91	36.6	2.75	3.90	35.5	2.66	3.90	33.4	2.50	3.93
	41.0	39.4	43.7	3.18	4.02	40.8	2.94	4.06	38.1	2.70	4.13	36.6	2.60	4.12	35.5	2.52	4.12	33.4	2.36	4.14
	44.6	42.8	43.7	3.01	4.26	40.8	2.79	4.29	38.1	2.56	4.37	36.6	2.46	4.35	35.5	2.39	4.35	33.4	2.24	4.37
	48.2	46.2	43.7	2.84	4.50	40.8	2.64	4.54	38.1	2.42	4.61	36.6	2.34	4.59	35.5	2.27	4.59	33.4	2.13	4.61
	51.8	49.6	43.7	2.69	4.76	40.8	2.49	4.80	38.1	2.30	4.86	36.6	2.22	4.84	35.5	2.15	4.84	33.4	2.02	4.85
	55.4	53.2	43.7	2.54	5.04	40.8	2.36	5.06	38.1	2.17	5.13	36.6	2.10	5.10	35.5	2.04	5.11	33.4	1.92	5.10
	59.0	56.7	43.7	2.41	5.32	40.8	2.24	5.34	38.1	2.07	5.40	36.6	2.00	5.37	35.5	1.94	5.37	33.4	1.83	5.36
	64.4	62.2	43.7	2.29	5.61	40.8	2.13	5.62	38.1	1.97	5.68	36.5	1.90	5.63	35.5	1.85	5.63	33.4	1.75	5.61
	68.0	65.3	43.7	2.18	5.88	40.8	2.03	5.90	38.1	1.88	5.95	36.5	1.82	5.90	35.5	1.77	5.89	33.4	1.68	5.84
	75.2	68.9	43.7	2.08	6.16	40.8	1.93	6.18	38.1	1.80	6.19	36.5	1.74	6.15	35.5	1.70	6.11	33.4	1.62	6.06
60%	-22.0	-22.2	37.5	5.46	2.01	35.1	5.49	1.87	32.6	5.32	1.79	31.4	5.10	1.80	30.6	5.04	1.78	28.5	4.62	1.81
	-16.6	-16.8	37.5	5.34	2.06	35.1	5.30	1.94	32.6	5.04	1.89	31.4	4.84	1.90	30.6	4.75	1.89	28.5	4.37	1.92
	-12.6	-13.0	37.6	5.22	2.11	35.2	5.10	2.02	32.7	4.76	2.01	31.5	4.57	2.02	30.7	4.47	2.01	28.6	4.11	2.04
	-7.0	-7.6	37.6	5.11	2.16	35.2	4.92	2.10	32.7	4.50	2.13	31.5	4.32	2.14	30.7	4.20	2.14	28.6	3.87	2.17
	-3.6	-4.0	37.6	5.07	2.17	35.2	4.86	2.12	32.7	4.41	2.17	31.5	4.24	2.18	30.7	4.11	2.19	28.6	3.79	2.21
	-1.8	-2.2	37.6	5.03	2.19	35.3	4.80	2.15	32.7	4.32	2.22	31.5	4.15	2.23	30.7	4.03	2.23	28.6	3.71	2.26
	1.9	1.4	37.7	4.90	2.25	35.3	4.60	2.25	32.7	4.13	2.32	31.6	3.97	2.33	30.7	3.85	2.34	28.6	3.55	2.36
	7.3	5.0	37.7	4.75	2.33	35.4	4.38	2.37	32.8	3.94	2.44	31.6	3.79	2.45	30.7	3.66	2.45	28.6	3.38	2.48
	10.8	8.6	37.7	4.49	2.46	35.4	4.15	2.50	32.8	3.74	2.57	31.6	3.60	2.58	30.7	3.48	2.58	28.6	3.22	2.61
	14.4	12.2	37.8	4.25	2.61	35.4	3.93	2.64	32.8	3.55	2.71	31.7	3.41	2.72	30.7	3.30	2.73	28.6	3.05	2.75
	14.9	14.0	37.8	4.13	2.68	35.4	3.82	2.72	32.9	3.45	2.79	31.7	3.32	2.80	30.7	3.21	2.81	28.6	2.97	2.83
	16.7	15.6	37.8	4.02	2.75	35.4	3.73	2.79	32.9	3.37	2.86	31.7	3.24	2.87	30.7	3.13	2.88	28.6	2.90	2.90
	19.4	18.3	37.7	3.84	2.88	35.4	3.56	2.91	32.8	3.22	2.99	31.6	3.10	2.99	30.7	3.00	3.00	28.6	2.78	3.02
	23.0	21.9	37.5	3.60	3.06	35.1	3.33	3.09	32.6	3.02	3.16	31.4	2.91	3.17	30.7	2.83	3.18	28.6	2.63	3.19
	26.6	25.3	37.5	3.40	3.24	35.1	3.15	3.27	32.6	2.87	3.33	31.4	2.76	3.34	30.7	2.68	3.35	28.6	2.49	3.37
	32.0	30.7	37.5	3.10	3.54	35.1	2.88	3.57	32.6	2.62	3.64	31.4	2.53	3.64	30.7	2.46	3.65	28.6	2.29	3.67
	37.4	36.0	37.5	2.84	3.87	35.1	2.65	3.89	32.6	2.42	3.96	31.4	2.33	3.96	30.7	2.27	3.96	28.6	2.11	3.97
	41.0	39.4	37.5	2.69	4.09	35.1	2.51	4.11	32.6	2.29	4.18	31.4	2.21	4.17	30.7	2.15	4.18	28.6	2.01	4.18
	44.6	42.8	37.5	2.55	4.32	35.1	2.37	4.34	32.6	2.17	4.41	31.4	2.10	4.40	30.7	2.05	4.39	28.6	1.91	4.40
	48.2	46.2	37.5	2.41	4.56	35.1	2.25	4.58	32.6	2.06	4.64	31.4	1.99	4.63	30.7	1.94	4.63	28.6	1.82	4.62
	51.8	49.6	37.5	2.29	4.81	35.1	2.14	4.82	32.6	1.96	4.87	31.4	1.89	4.87	30.7	1.85	4.87	28.6	1.73	4.85
	55.4	53.2	37.5	2.16	5.08	35.1	2.03	5.09	32.6	1.86	5.13	31.4	1.80	5.13	30.7	1.76	5.12	28.6	1.64	5.10
	59.0	56.7	37.5	2.06	5.33	35.1	1.92	5.36	32.6	1.77	5.39	31.4	1.71	5.38	30.7	1.68	5.37	28.6	1.57	5.35
	64.4	62.2	37.6	1.97	5.59	35.1	1.83	5.63	32.6	1.69	5.64	31.5	1.64	5.62	30.7	1.61	5.60	28.6	1.50	5.58
	68.0	65.3	37.5	1.88	5.83	35.1	1.75	5.89	32.6	1.62	5.89	31.5	1.57	5.85	30.7	1.55	5.82	28.6	1.45	5.80
	75.2	68.9	37.5	1.81	6.06	35.1	1.68	6.14	32.6	1.56	6.11	31.5	1.52	6.06	30.7	1.50	6.01	28.6	1.40	6.00

TC—Total Capacity of Outdoor Unit; PI—Power Input of Outdoor Unit																				
Connection Ratio	Outdoor Air Temperature (°F)		Indoor Air Temperature (°F DB)																	
			60.8			64.4			68.0			69.8			71.6			75.2		
	°F DB	°F WB	TC kBtu/h	PI kW	COP W/W	TC kBtu/h	PI kW	COP W/W	TC kBtu/h	PI kW	COP W/W	TC kBtu/h	PI kW	COP W/W	TC kBtu/h	PI kW	COP W/W	TC kBtu/h	PI kW	COP W/W
50%	-22.0	-22.2	31.3	5.18	1.77	29.3	4.74	1.81	27.2	4.21	1.89	26.1	4.13	1.85	25.4	4.04	1.85	23.7	3.70	1.88
	-16.6	-16.8	31.3	4.90	1.87	29.3	4.49	1.91	27.2	4.01	1.99	26.1	3.91	1.95	25.4	3.82	1.95	23.7	3.51	1.98
	-12.6	-13.0	31.4	4.62	1.99	29.4	4.24	2.03	27.3	3.80	2.11	26.2	3.69	2.08	25.5	3.60	2.08	23.8	3.32	2.11
	-7.0	-7.6	31.4	4.35	2.12	29.4	4.01	2.15	27.3	3.61	2.22	26.2	3.48	2.20	25.5	3.39	2.21	23.8	3.14	2.23
	-3.6	-4.0	31.4	4.26	2.16	29.4	3.93	2.19	27.3	3.54	2.26	26.2	3.41	2.25	25.5	3.32	2.25	23.8	3.08	2.27
	-1.8	-2.2	31.4	4.17	2.21	29.4	3.85	2.24	27.4	3.48	2.31	26.2	3.34	2.30	25.5	3.25	2.30	23.8	3.02	2.32
	1.9	1.4	31.5	3.99	2.31	29.4	3.68	2.34	27.4	3.33	2.41	26.2	3.20	2.40	25.5	3.12	2.40	23.8	2.89	2.42
	7.3	5.0	31.5	3.80	2.43	29.5	3.52	2.46	27.4	3.18	2.53	26.3	3.06	2.51	25.5	2.97	2.52	23.8	2.76	2.53
	10.8	8.6	31.5	3.61	2.56	29.5	3.35	2.58	27.4	3.03	2.66	26.3	2.91	2.64	25.5	2.83	2.65	23.8	2.63	2.66
	14.4	12.2	31.6	3.43	2.70	29.5	3.17	2.73	27.5	2.88	2.80	26.3	2.77	2.78	25.7	2.71	2.78	23.8	2.50	2.80
	14.9	14.0	31.6	3.33	2.78	29.6	3.09	2.81	27.5	2.81	2.87	26.3	2.70	2.85	25.7	2.64	2.86	23.8	2.43	2.87
	16.7	15.6	31.6	3.25	2.85	29.6	3.01	2.87	27.5	2.74	2.94	26.3	2.64	2.92	25.7	2.58	2.92	23.8	2.38	2.94
	19.4	18.3	31.5	3.11	2.97	29.5	2.90	2.99	27.4	2.62	3.06	26.3	2.53	3.04	25.7	2.48	3.04	23.8	2.29	3.05
	23.0	21.9	31.4	2.92	3.15	29.3	2.71	3.17	27.3	2.47	3.23	26.1	2.38	3.21	25.7	2.35	3.21	23.8	2.17	3.22
	26.6	25.3	31.4	2.76	3.33	29.3	2.57	3.35	27.3	2.34	3.41	26.1	2.26	3.39	25.7	2.22	3.39	23.8	2.06	3.39
	32.0	30.7	31.4	2.54	3.62	29.3	2.36	3.64	27.3	2.16	3.70	26.1	2.08	3.68	25.7	2.05	3.67	23.8	1.90	3.67
	37.4	36.0	31.4	2.33	3.94	29.3	2.17	3.95	27.3	1.99	4.01	26.1	1.92	3.98	25.7	1.90	3.96	23.8	1.76	3.96
	41.0	39.4	31.4	2.22	4.15	29.3	2.06	4.17	27.3	1.89	4.22	26.1	1.83	4.18	25.7	1.81	4.17	23.8	1.68	4.16
	44.6	42.8	31.4	2.10	4.37	29.3	1.96	4.38	27.3	1.81	4.43	26.1	1.74	4.40	25.7	1.72	4.38	23.8	1.60	4.36
	48.2	46.2	31.4	1.99	4.61	29.3	1.86	4.61	27.3	1.72	4.66	26.1	1.66	4.61	25.7	1.64	4.60	23.8	1.53	4.58
	51.8	49.6	31.4	1.90	4.85	29.3	1.77	4.85	27.3	1.64	4.88	26.1	1.58	4.84	25.7	1.56	4.82	23.8	1.46	4.80
	55.4	53.2	31.4	1.80	5.09	29.3	1.68	5.10	27.3	1.56	5.13	26.1	1.51	5.08	25.7	1.49	5.07	23.8	1.39	5.02
	59.0	56.7	31.4	1.72	5.35	29.3	1.61	5.34	27.3	1.49	5.37	26.1	1.44	5.32	25.7	1.42	5.30	23.8	1.32	5.27
	64.4	62.2	31.4	1.64	5.62	29.2	1.53	5.59	27.3	1.43	5.60	26.1	1.38	5.55	25.7	1.36	5.54	23.8	1.26	5.53
	68.0	65.3	31.3	1.55	5.90	29.1	1.46	5.84	27.3	1.37	5.82	26.1	1.33	5.76	25.7	1.30	5.78	23.8	1.21	5.78
	75.2	68.9	31.3	1.48	6.19	29.1	1.40	6.10	27.3	1.28	6.25	26.1	1.29	5.96	25.7	1.25	6.01	23.8	1.16	6.04