

9k -36k BTU Single Zone Wall Mounted, Concealed Ducted, and Cassette R- 454B Refrigerant

SYSTEM	Wall Mounted	Outdoor Condenser	Cassette	Concealed Ducted
FXHW093D FPHC093D FPHD093D	FAHFW09A3D	FPHFR09A3D	FPHFC093D	FPHFD093D
FXHW123D FPHC123D FPHD123D	FAHFW12A3D	FPHFR12A3D	FPHFC123D	FPHFD123D
FXHW183D FPHC183D FPHD183D	FAHFW18A3D	FPHFR18A3D	FPHFC183D	FPHFD183D
FXHW243D FPHC243D FPHD243D	FAHFW24A3D	FPHFR24A3D	FPHFC243D	FPHFD243D
FPHC363D FPHD363D	N/A	FPHFR36A3D	FPHSC363D	FPHSD363D

5. CAPACITY TABLES

5. Capacity Tables

5.1 Capacity Characteristic Charts

The following charts show the characteristics of outdoor unit capacity, which corresponds with the operating ambient temperature of outdoor unit.

The data are based on the following conditions:

- ① Pipe length / height difference : 25 ft. (7.6m) / 0 ft.(0m)
- ② Compressor at rated inverter frequency
- ③ Indoor fan speed at high fan speed
- ④ Capacity loss due to white frost and defrost operation is not included.

5. CAPACITIES AND SELECTION DATA

Duct

Cooling Capacity Table																			
Model No. / Nominal Capacity	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °FWB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
9K	5	8.91	7.14	0.31	9.47	7.54	0.42	10.02	7.76	0.45	10.42	7.46	0.46	11.13	7.52	0.46	11.68	7.66	0.46
	10	8.90	7.19	0.32	9.45	7.60	0.43	10.01	7.82	0.46	10.41	7.51	0.47	11.12	7.58	0.47	11.67	7.72	0.47
	15	8.89	7.25	0.32	9.44	7.65	0.44	9.99	7.88	0.48	10.39	7.56	0.48	11.10	7.63	0.48	11.65	7.77	0.48
	20	8.88	7.29	0.33	9.43	7.71	0.45	9.98	7.93	0.49	10.38	7.62	0.50	11.08	7.68	0.50	11.63	7.83	0.50
	25	8.87	7.35	0.34	9.41	7.76	0.46	9.96	7.99	0.50	10.36	7.67	0.51	11.07	7.74	0.51	11.62	7.88	0.51
	30	8.85	7.40	0.35	9.40	7.82	0.47	9.95	8.04	0.51	10.35	7.73	0.52	11.05	7.79	0.52	11.60	7.94	0.52
	35	8.84	7.45	0.36	9.39	7.87	0.48	9.94	8.10	0.53	10.33	7.78	0.53	11.03	7.85	0.53	11.58	8.00	0.53
	40	8.82	7.50	0.37	9.38	7.92	0.50	9.92	8.16	0.54	10.32	7.83	0.55	11.02	7.90	0.55	11.57	8.05	0.55
	45	8.81	7.55	0.38	9.36	7.98	0.51	9.91	8.21	0.55	10.30	7.89	0.56	11.00	7.95	0.56	11.55	8.10	0.56
	50	8.80	7.60	0.38	9.35	8.03	0.52	9.89	8.27	0.56	10.29	7.94	0.57	10.99	8.01	0.57	11.53	8.16	0.57
	55	8.79	7.65	0.39	9.33	8.09	0.53	9.88	8.32	0.58	10.27	7.99	0.58	10.97	8.06	0.58	11.52	8.21	0.58
	60	8.78	7.70	0.40	9.32	8.14	0.54	9.86	8.38	0.59	10.26	8.04	0.60	10.95	8.11	0.60	11.50	8.27	0.60
	65	8.76	7.75	0.41	9.30	8.19	0.55	9.85	8.43	0.60	10.24	8.10	0.61	10.94	8.16	0.61	11.48	8.32	0.61
	70	8.75	7.80	0.42	9.29	8.24	0.57	9.84	8.49	0.62	10.23	8.15	0.62	10.92	8.22	0.62	11.46	8.37	0.62
	75	8.54	7.67	0.45	9.08	8.12	0.58	9.62	8.37	0.63	10.01	8.04	0.64	10.71	8.12	0.65	11.25	8.28	0.65
	80	8.33	7.54	0.47	8.87	7.99	0.60	9.41	8.24	0.65	9.80	7.93	0.66	10.49	8.02	0.67	11.03	8.18	0.68
	85	8.12	7.41	0.54	8.66	7.86	0.65	9.20	8.12	0.70	9.59	7.81	0.71	10.28	7.91	0.72	10.82	8.08	0.73
	90	7.91	7.26	0.60	8.45	7.72	0.71	8.99	7.98	0.74	9.38	7.69	0.75	10.06	7.80	0.77	10.60	7.97	0.78
	95	7.68	7.19	0.67	8.22	7.65	0.75	8.76	7.92	0.78	9.00	7.52	0.77	9.83	7.76	0.81	10.36	7.94	0.82
	100	7.50	7.00	0.70	8.03	7.46	0.77	8.57	7.73	0.79	8.88	7.41	0.78	9.64	7.59	0.81	10.17	7.77	0.82
	105	7.31	6.80	0.73	7.85	7.26	0.78	8.38	7.55	0.79	8.77	7.29	0.80	9.45	7.42	0.81	9.99	7.61	0.82
	110	7.12	6.57	0.71	7.66	7.03	0.74	8.19	7.31	0.74	8.58	7.07	0.73	9.26	7.21	0.74	9.80	7.40	0.76
	115	6.93	6.38	0.64	7.47	6.83	0.65	8.01	7.12	0.63	8.39	6.89	0.62	9.08	7.04	0.62	9.61	7.23	0.64
	118	6.55	6.08	0.57	7.07	6.52	0.56	7.58	6.80	0.53	7.95	6.59	0.52	8.61	6.74	0.52	9.12	6.93	0.53
	122	6.42	5.97	0.54	6.93	6.41	0.53	7.44	6.69	0.50	7.80	6.48	0.48	8.45	6.63	0.48	8.96	6.82	0.50

Heating Capacity Table														
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)		Indoor Air Temp. °F DB / °F WB											
	°F DB	°F WB	61		64		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9K	-22	-23	3.78	0.80	3.72	0.82	3.63	0.85	3.53	0.88	3.47	0.89	3.43	0.90
	-13	-15	8.84	0.66	8.65	0.68	8.40	0.70	8.26	0.71	8.15	0.72	7.86	0.74
	-4	-6	10.11	0.89	9.88	0.92	9.60	0.95	9.44	0.97	9.32	0.98	8.98	1.01
	0	-2	11.37	1.31	11.12	1.36	10.80	1.40	10.62	1.43	10.48	1.44	10.10	1.49
	5	3	12.63	1.76	12.35	1.82	12.00	1.88	11.80	1.91	11.65	1.94	11.22	2.00
	10	8	10.99	1.31	10.75	1.36	10.44	1.40	10.27	1.43	10.13	1.44	9.76	1.49
	17	15	9.35	0.89	9.14	0.92	8.88	0.95	8.73	0.97	8.62	0.98	8.30	1.01
	20	18	6.62	0.61	6.41	0.62	6.20	0.65	6.08	0.66	5.99	0.67	5.76	0.68
	25	23	7.18	0.62	6.97	0.64	6.72	0.66	6.60	0.67	6.50	0.68	6.25	0.70
	30	28	7.75	0.64	7.50	0.66	7.25	0.68	7.11	0.69	7.01	0.70	6.75	0.72
	35	32	8.31	0.65	8.05	0.68	7.77	0.69	7.63	0.71	7.52	0.72	7.25	0.74
	40	36	8.73	0.67	8.49	0.69	8.22	0.71	8.08	0.73	7.96	0.74	7.68	0.76
	45	41	9.27	0.69	9.04	0.72	8.78	0.74	8.63	0.75	8.51	0.76	8.20	0.79
	47	43	9.48	0.70	9.27	0.73	9.00	0.75	8.85	0.76	8.73	0.77	8.42	0.80
	50	44	9.50	0.70	9.31	0.72	9.08	0.74	8.95	0.75	8.85	0.76	8.55	0.78
	55	48	9.55	0.69	9.39	0.71	9.22	0.73	9.11	0.73	9.03	0.74	8.76	0.76
	60	52	9.60	0.68	9.47	0.70	9.35	0.71	9.28	0.72	9.21	0.72	8.98	0.73
	63	54	9.62	0.68	9.52	0.69	9.44	0.70	9.37	0.71	9.32	0.71	9.10	0.72
	68	58	9.65	0.68	9.57	0.68	9.52	0.69	9.47	0.69	9.43	0.70	9.24	0.70
	75	64	9.68	0.67	9.62	0.68	9.61	0.68	9.57	0.68	9.55	0.69	9.37	0.69

Remarks:

TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor, evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

5. CAPACITIES AND SELECTION DATA DUCT

Cooling Capacity Table																			
Model No. / Nominal Capacity	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12K	5	11.89	9.52	0.41	12.63	10.06	0.55	13.37	10.35	0.60	13.90	9.94	0.61	14.84	10.03	0.61	15.58	10.22	0.61
	10	11.87	9.59	0.42	12.61	10.13	0.57	13.35	10.43	0.62	13.88	10.02	0.63	14.82	10.10	0.63	15.56	10.29	0.63
	15	11.85	9.66	0.43	12.59	10.21	0.58	13.33	10.50	0.64	13.86	10.09	0.64	14.80	10.17	0.65	15.54	10.37	0.64
	20	11.84	9.73	0.44	12.57	10.28	0.60	13.31	10.58	0.65	13.84	10.16	0.66	14.78	10.25	0.66	15.51	10.44	0.66
	25	11.82	9.80	0.46	12.55	10.35	0.62	13.29	10.65	0.67	13.82	10.23	0.68	14.76	10.32	0.68	15.49	10.51	0.68
	30	11.80	9.87	0.47	12.54	10.42	0.63	13.27	10.73	0.68	13.80	10.30	0.69	14.74	10.39	0.70	15.47	10.59	0.69
	35	11.79	9.94	0.48	12.52	10.49	0.65	13.25	10.80	0.70	13.78	10.38	0.71	14.71	10.46	0.71	15.45	10.66	0.71
	40	11.77	10.00	0.49	12.50	10.57	0.66	13.23	10.88	0.72	13.76	10.45	0.73	14.69	10.53	0.73	15.42	10.73	0.73
	45	11.75	10.07	0.50	12.48	10.64	0.68	13.21	10.95	0.73	13.74	10.52	0.74	14.67	10.61	0.75	15.40	10.81	0.74
	50	11.74	10.14	0.51	12.46	10.71	0.69	13.19	11.02	0.75	13.72	10.59	0.76	14.65	10.68	0.76	15.38	10.88	0.76
	55	11.72	10.21	0.52	12.45	10.78	0.71	13.17	11.10	0.77	13.70	10.66	0.78	14.63	10.75	0.78	15.36	10.95	0.78
	60	11.70	10.27	0.53	12.43	10.85	0.72	13.15	11.17	0.78	13.68	10.73	0.79	14.61	10.82	0.80	15.33	11.02	0.79
	65	11.68	10.34	0.55	12.41	10.92	0.74	13.14	11.24	0.80	13.66	10.80	0.81	14.59	10.89	0.81	15.31	11.10	0.81
	70	11.67	10.41	0.56	12.39	10.99	0.75	13.12	11.32	0.82	13.64	10.87	0.83	14.57	10.96	0.83	15.29	11.17	0.83
	75	11.39	10.23	0.59	12.11	10.83	0.78	12.83	11.16	0.84	13.35	10.72	0.86	14.28	10.83	0.86	15.00	11.04	0.87
	80	11.11	10.06	0.63	11.83	10.65	0.80	12.55	10.99	0.86	13.07	10.57	0.88	13.99	10.69	0.89	14.71	10.91	0.90
	85	10.83	9.88	0.72	11.55	10.48	0.87	12.27	10.82	0.93	12.79	10.42	0.94	13.70	10.55	0.96	14.42	10.77	0.97
	90	10.55	9.69	0.80	11.27	10.29	0.94	11.98	10.65	0.99	12.50	10.26	1.00	13.42	10.40	1.03	14.14	10.63	1.04
	95	10.25	9.59	0.89	10.96	10.20	1.00	11.68	10.57	1.04	12.00	10.03	1.03	13.10	10.34	1.08	13.82	10.59	1.10
	100	10.00	9.33	0.93	10.71	9.94	1.03	11.43	10.31	1.05	11.85	9.88	1.04	12.85	10.12	1.08	13.57	10.37	1.10
	105	9.75	9.07	0.97	10.46	9.69	1.05	11.18	10.06	1.06	11.69	9.72	1.06	12.60	9.90	1.08	13.32	10.15	1.10
	110	9.50	8.76	0.95	10.21	9.37	0.99	10.93	9.75	0.98	11.44	9.43	0.98	12.35	9.62	0.99	13.07	9.87	1.01
	115	9.25	8.50	0.85	9.96	9.11	0.86	10.68	9.49	0.84	11.19	9.19	0.83	12.10	9.39	0.83	12.82	9.65	0.85
	118	8.74	8.10	0.75	9.42	8.69	0.74	10.11	9.07	0.71	10.60	8.78	0.69	11.48	8.98	0.69	12.16	9.24	0.71
	122	8.56	7.97	0.72	9.24	8.55	0.70	9.92	8.92	0.67	10.40	8.65	0.65	11.27	8.84	0.65	11.94	9.10	0.66

Heating Capacity Table													
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)		Indoor Air Temp. °F DB / °F WB										
	°F DB	°F WB	61		64		68		70		72		75
12K			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC
	-22	-23	5.03	1.06	4.95	1.09	4.84	1.13	4.70	1.17	4.62	1.19	4.56
	-13	-15	8.84	0.66	8.65	0.68	8.40	0.70	8.26	0.71	8.15	0.72	7.86
	-4	-6	10.11	0.89	9.88	0.92	9.60	0.95	9.44	0.97	9.32	0.98	8.98
	0	-2	11.37	1.31	11.12	1.36	10.80	1.40	10.62	1.43	10.48	1.44	10.10
	5	3	12.63	1.76	12.35	1.82	12.00	1.88	11.80	1.91	11.65	1.94	11.22
	10	8	10.99	1.31	10.75	1.36	10.44	1.40	10.27	1.43	10.13	1.44	9.76
	17	15	9.35	0.89	9.14	0.92	8.88	0.95	8.73	0.97	8.62	0.98	8.30
	20	18	8.82	0.81	8.54	0.83	8.27	0.86	8.11	0.88	7.98	0.89	7.68
	25	23	9.57	0.83	9.29	0.85	8.97	0.88	8.80	0.90	8.66	0.91	8.34
	30	28	10.33	0.85	10.01	0.88	9.67	0.90	9.49	0.92	9.35	0.94	9.00
	35	32	11.08	0.87	10.73	0.90	10.37	0.92	10.18	0.95	10.03	0.96	9.67
	40	36	11.65	0.89	11.32	0.92	10.96	0.95	10.77	0.97	10.62	0.99	10.23
	45	41	12.35	0.92	12.06	0.96	11.70	0.99	11.51	1.00	11.35	1.02	10.94
	47	43	12.63	0.94	12.35	0.97	12.00	1.00	11.80	1.02	11.65	1.03	11.22
	50	44	12.67	0.93	12.42	0.96	12.11	0.99	11.93	1.00	11.79	1.01	11.40
	55	48	12.73	0.92	12.52	0.95	12.29	0.97	12.15	0.98	12.04	0.99	11.68
	60	52	12.80	0.91	12.63	0.93	12.47	0.95	12.37	0.96	12.28	0.96	11.97
	63	54	12.83	0.91	12.69	0.92	12.58	0.94	12.50	0.94	12.43	0.94	12.14
	68	58	12.87	0.90	12.76	0.91	12.70	0.92	12.63	0.92	12.58	0.93	12.31
	75	64	12.91	0.90	12.82	0.90	12.81	0.91	12.76	0.91	12.73	0.92	12.49

Remarks:
 TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor, evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
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		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
18K	5	17.83	14.28	0.62	18.94	15.08	0.83	20.05	15.53	0.90	20.84	14.91	0.92	22.26	15.04	0.92	23.36	15.32	0.92
	10	17.81	14.39	0.63	18.91	15.20	0.85	20.02	15.64	0.92	20.81	15.02	0.94	22.23	15.15	0.94	23.33	15.44	0.94
	15	17.78	14.49	0.65	18.89	15.31	0.88	19.99	15.75	0.95	20.78	15.13	0.96	22.19	15.26	0.97	23.30	15.55	0.96
	20	17.75	14.59	0.66	18.86	15.41	0.90	19.96	15.86	0.98	20.75	15.24	0.99	22.16	15.37	0.99	23.27	15.66	0.99
	25	17.73	14.69	0.68	18.83	15.53	0.92	19.93	15.98	1.00	20.72	15.35	1.02	22.13	15.47	1.02	23.24	15.77	1.02
	30	17.70	14.80	0.70	18.80	15.63	0.95	19.90	16.09	1.02	20.69	15.45	1.04	22.10	15.59	1.05	23.20	15.88	1.04
	35	17.68	14.90	0.72	18.77	15.74	0.97	19.88	16.20	1.05	20.66	15.56	1.07	22.07	15.69	1.07	23.17	15.99	1.07
	40	17.65	15.00	0.73	18.75	15.85	0.99	19.85	16.31	1.08	20.63	15.67	1.09	22.04	15.80	1.09	23.13	16.10	1.09
	45	17.63	15.11	0.75	18.72	15.95	1.02	19.82	16.43	1.10	20.60	15.77	1.12	22.01	15.91	1.12	23.10	16.21	1.12
	50	17.60	15.20	0.77	18.69	16.06	1.04	19.79	16.53	1.12	20.57	15.88	1.15	21.98	16.01	1.15	23.06	16.31	1.15
	55	17.57	15.31	0.78	18.67	16.17	1.06	19.76	16.64	1.15	20.54	15.98	1.17	21.94	16.12	1.17	23.03	16.43	1.17
	60	17.55	15.41	0.80	18.64	16.28	1.08	19.73	16.76	1.18	20.51	16.09	1.19	21.91	16.22	1.20	23.00	16.53	1.19
	65	17.52	15.50	0.82	18.61	16.38	1.11	19.70	16.86	1.20	20.48	16.19	1.22	21.88	16.33	1.22	22.97	16.64	1.22
	70	17.50	15.61	0.84	18.59	16.49	1.13	19.67	16.97	1.23	20.45	16.30	1.25	21.85	16.43	1.25	22.93	16.75	1.25
	75	17.08	15.35	0.89	18.16	16.24	1.17	19.25	16.73	1.26	20.03	16.08	1.28	21.41	16.24	1.29	22.49	16.56	1.30
	80	16.66	15.08	0.95	17.74	15.98	1.21	18.82	16.49	1.29	19.60	15.86	1.31	20.98	16.04	1.34	22.07	16.37	1.35
	85	16.24	14.81	1.08	17.32	15.71	1.31	18.40	16.23	1.39	19.18	15.62	1.41	20.55	15.82	1.44	21.63	16.16	1.46
	90	15.82	14.53	1.20	16.90	15.44	1.41	17.97	15.97	1.48	18.75	15.38	1.51	20.12	15.59	1.54	21.20	15.95	1.56
	95	15.37	14.38	1.33	16.44	15.30	1.51	17.51	15.85	1.56	18.00	15.05	1.54	19.65	15.51	1.61	20.72	15.88	1.65
	100	14.99	14.00	1.40	16.07	14.91	1.54	17.14	15.47	1.58	17.77	14.81	1.56	19.28	15.17	1.61	20.35	15.55	1.65
	105	14.62	13.61	1.46	15.69	14.53	1.57	16.76	15.09	1.58	17.54	14.58	1.59	18.90	14.84	1.61	19.97	15.23	1.65
	110	14.24	13.14	1.42	15.32	14.06	1.48	16.39	14.63	1.48	17.16	14.15	1.47	18.53	14.42	1.48	19.60	14.81	1.52
	115	13.87	12.75	1.28	14.94	13.66	1.29	16.01	14.24	1.26	16.79	13.79	1.24	18.15	14.08	1.25	19.22	14.47	1.28
	118	13.10	12.15	1.13	14.13	13.04	1.12	15.16	13.60	1.06	15.90	13.17	1.04	17.21	13.47	1.04	18.24	13.85	1.06
	122	12.84	11.95	1.08	13.86	12.83	1.05	14.87	13.38	1.00	15.60	12.97	0.97	16.90	13.26	0.97	17.91	13.64	0.99

Heating Capacity Tables														
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)		Indoor Air Temp. °F DB / °F WB											
	°F DB	°F WB	61		64		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
18K	-22	-23	8.14	1.79	8.01	1.85	7.83	1.91	7.61	1.97	7.48	2.00	7.38	2.03
	-13	-15	13.27	1.01	12.97	1.04	12.60	1.08	12.39	1.10	12.23	1.11	11.78	1.15
	-4	-6	15.16	1.37	14.82	1.42	14.40	1.46	14.16	1.49	13.98	1.51	13.47	1.55
	0	-2	17.06	2.02	16.68	2.09	16.20	2.16	15.93	2.19	15.72	2.22	15.15	2.29
	5	3	18.95	2.71	18.53	2.80	18.00	2.90	17.70	2.95	17.47	2.99	16.83	3.08
	10	8	11.44	1.20	10.98	1.24	10.73	1.28	10.52	1.29	10.34	1.31	9.93	1.35
	17	15	12.56	1.22	12.12	1.27	11.77	1.31	11.54	1.33	11.36	1.35	10.92	1.38
	20	18	13.23	1.24	12.81	1.28	12.40	1.33	12.16	1.35	11.97	1.37	11.51	1.40
	25	23	14.36	1.27	13.93	1.31	13.45	1.35	13.19	1.38	12.99	1.40	12.50	1.44
	30	28	15.50	1.31	15.01	1.35	14.50	1.39	14.23	1.42	14.02	1.44	13.50	1.48
	35	32	16.62	1.34	16.09	1.39	15.55	1.42	15.27	1.46	15.04	1.48	14.50	1.52
	40	36	17.47	1.38	16.98	1.42	16.44	1.46	16.15	1.50	15.93	1.52	15.35	1.56
	45	41	18.53	1.42	18.09	1.47	17.55	1.52	17.26	1.55	17.03	1.57	16.41	1.62
	47	43	18.95	1.44	18.53	1.49	18.00	1.54	17.70	1.57	17.47	1.59	16.83	1.64
	50	44	19.01	1.44	18.62	1.48	18.16	1.52	17.90	1.55	17.69	1.56	17.10	1.61
	55	48	19.10	1.42	18.79	1.46	18.44	1.49	18.22	1.51	18.06	1.52	17.52	1.55
	60	52	19.19	1.40	18.94	1.43	18.71	1.46	18.55	1.47	18.42	1.48	17.95	1.50
	63	54	19.25	1.40	19.04	1.42	18.87	1.44	18.75	1.45	18.64	1.45	18.21	1.47
	68	58	19.30	1.39	19.13	1.40	19.04	1.42	18.94	1.42	18.87	1.43	18.47	1.44
	75	64	19.36	1.38	19.23	1.39	19.21	1.40	19.14	1.40	19.09	1.41	18.74	1.42

Remarks:
 TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor, evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

5. CAPACITIES AND SELECTION DATA DUCT

Cooling Capacity Tables																			
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
24K	5	23.77	19.04	0.82	25.25	20.11	1.11	26.73	20.70	1.20	27.79	19.88	1.22	29.68	20.05	1.22	31.15	20.43	1.22
	10	23.74	19.18	0.84	25.21	20.26	1.14	26.69	20.85	1.23	27.75	20.03	1.25	29.64	20.20	1.25	31.11	20.58	1.25
	15	23.70	19.32	0.86	25.18	20.41	1.17	26.65	21.00	1.27	27.71	20.17	1.28	29.59	20.34	1.29	31.07	20.73	1.28
	20	23.67	19.45	0.88	25.14	20.55	1.20	26.61	21.15	1.30	27.67	20.32	1.32	29.55	20.49	1.32	31.02	20.88	1.32
	25	23.64	19.59	0.91	25.10	20.70	1.23	26.57	21.30	1.33	27.63	20.46	1.35	29.51	20.63	1.35	30.98	21.02	1.35
	30	23.60	19.73	0.93	25.07	20.84	1.26	26.53	21.45	1.36	27.59	20.60	1.38	29.47	20.78	1.39	30.93	21.17	1.38
	35	23.57	19.87	0.95	25.03	20.98	1.29	26.50	21.60	1.40	27.55	20.75	1.42	29.42	20.92	1.42	30.89	21.32	1.42
	40	23.53	20.00	0.97	25.00	21.13	1.32	26.46	21.75	1.44	27.51	20.89	1.46	29.38	21.06	1.46	30.84	21.46	1.46
	45	23.50	20.14	1.00	24.96	21.27	1.35	26.42	21.90	1.47	27.47	21.03	1.49	29.34	21.21	1.50	30.80	21.61	1.49
	50	23.47	20.27	1.03	24.92	21.41	1.38	26.38	22.04	1.50	27.43	21.17	1.53	29.30	21.35	1.53	30.75	21.75	1.53
	55	23.43	20.41	1.05	24.89	21.56	1.41	26.34	22.19	1.54	27.39	21.31	1.56	29.25	21.49	1.56	30.71	21.90	1.56
	60	23.40	20.54	1.07	24.85	21.70	1.45	26.30	22.34	1.57	27.35	21.45	1.59	29.21	21.63	1.60	30.66	22.04	1.59
	65	23.36	20.67	1.10	24.81	21.84	1.48	26.27	22.48	1.60	27.31	21.59	1.63	29.17	21.77	1.63	30.62	22.19	1.63
	70	23.33	20.81	1.12	24.78	21.98	1.51	26.23	22.63	1.64	27.27	21.73	1.66	29.13	21.91	1.66	30.57	22.33	1.66
	75	22.77	20.46	1.19	24.21	21.65	1.56	25.66	22.31	1.68	26.70	21.44	1.71	28.55	21.65	1.72	29.99	22.08	1.73
	80	22.21	20.11	1.26	23.65	21.30	1.61	25.09	21.98	1.72	26.13	21.14	1.75	27.97	21.38	1.78	29.42	21.82	1.80
	85	21.65	19.75	1.44	23.09	20.95	1.74	24.53	21.64	1.86	25.57	20.83	1.89	27.40	21.09	1.92	28.84	21.54	1.95
	90	21.09	19.37	1.60	22.53	20.58	1.89	23.96	21.29	1.98	25.00	20.51	2.01	26.83	20.79	2.05	28.27	21.26	2.08
	95	20.49	19.17	1.77	21.92	20.40	2.01	23.35	21.13	2.08	24.00	20.06	2.05	26.20	20.68	2.15	27.63	21.17	2.19
	100	19.99	18.66	1.87	21.42	19.88	2.05	22.85	20.62	2.10	23.69	19.75	2.08	25.70	20.23	2.15	27.13	20.73	2.19
	105	19.49	18.14	1.95	20.92	19.37	2.09	22.35	20.12	2.11	23.38	19.44	2.12	25.20	19.79	2.15	26.63	20.30	2.19
	110	18.99	17.52	1.90	20.42	18.74	1.98	21.85	19.50	1.97	22.88	18.86	1.96	24.70	19.23	1.98	26.13	19.74	2.03
	115	18.49	17.00	1.70	19.92	18.21	1.72	21.35	18.98	1.68	22.38	18.38	1.65	24.20	18.77	1.66	25.63	19.29	1.70
	118	17.47	16.20	1.51	18.84	17.38	1.49	20.21	18.13	1.41	21.20	17.56	1.38	22.95	17.96	1.38	24.32	18.47	1.41
	122	17.12	15.93	1.45	18.48	17.10	1.40	19.83	17.84	1.33	20.80	17.29	1.29	22.53	17.68	1.29	23.88	18.19	1.32

Heating Capacity Tables														
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)		Indoor Air Temp. °F DB / °F WB											
	°F DB	°F WB	61		64		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
24K	-22	-23	16.47	2.38	16.21	2.46	15.85	2.54	15.40	2.62	15.14	2.66	14.94	2.70
	-13	-15	17.69	1.31	17.30	1.36	16.80	1.40	16.52	1.43	16.30	1.44	15.71	1.49
	-4	-6	20.21	1.78	19.77	1.84	19.20	1.90	18.89	1.93	18.63	1.96	17.95	2.02
	0	-2	22.74	2.63	22.24	2.71	21.60	2.80	21.25	2.85	20.96	2.89	20.20	2.98
	5	3	25.27	3.53	24.71	3.64	24.00	3.76	23.61	3.83	23.29	3.88	22.44	4.00
	10	8	15.26	1.56	14.64	1.62	14.31	1.66	14.02	1.68	13.79	1.70	13.25	1.75
	17	15	16.74	1.59	16.16	1.64	15.69	1.70	15.39	1.72	15.14	1.75	14.56	1.79
	20	18	17.64	1.62	17.08	1.66	16.53	1.72	16.22	1.75	15.97	1.78	15.35	1.82
	25	23	19.15	1.65	18.58	1.70	17.93	1.76	17.59	1.79	17.32	1.82	16.67	1.88
	30	28	20.66	1.70	20.01	1.75	19.33	1.80	18.97	1.84	18.69	1.88	18.00	1.92
	35	32	22.16	1.74	21.46	1.80	20.73	1.85	20.35	1.89	20.06	1.92	19.33	1.97
	40	36	23.29	1.79	22.64	1.85	21.92	1.90	21.53	1.95	21.24	1.97	20.47	2.03
	45	41	24.71	1.85	24.11	1.91	23.41	1.97	23.01	2.01	22.71	2.04	21.88	2.10
	47	43	25.27	1.88	24.71	1.94	24.00	2.00	23.61	2.04	23.29	2.06	22.44	2.13
	50	44	25.35	1.87	24.83	1.92	24.22	1.97	23.87	2.01	23.59	2.03	22.79	2.09
	55	48	25.47	1.85	25.05	1.89	24.59	1.94	24.30	1.96	24.08	1.97	23.36	2.02
	60	52	25.59	1.82	25.26	1.86	24.94	1.89	24.73	1.91	24.56	1.92	23.94	1.95
	63	54	25.66	1.81	25.38	1.84	25.16	1.88	25.00	1.88	24.86	1.88	24.28	1.91
	68	58	25.74	1.80	25.51	1.82	25.39	1.85	25.26	1.85	25.15	1.86	24.63	1.88
	75	64	25.82	1.79	25.64	1.80	25.62	1.82	25.52	1.81	25.45	1.83	24.98	1.84

Remarks:
 TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor, evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

5. CAPACITIES AND SELECTION DATA

DUCT

Cooling Capacity Table																			
Model No. / Nominal Capacity	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
36K	5	32.68	26.18	1.13	34.72	27.65	1.52	36.75	28.46	1.65	38.21	27.34	1.68	40.81	27.57	1.68	42.83	28.09	1.68
	10	32.64	26.37	1.16	34.66	27.86	1.57	36.70	28.67	1.69	38.16	27.54	1.72	40.76	27.78	1.72	42.78	28.30	1.72
	15	32.59	26.57	1.18	34.62	28.06	1.61	36.64	28.88	1.75	38.10	27.73	1.76	40.69	27.97	1.78	42.72	28.50	1.76
	20	32.55	26.74	1.21	34.57	28.26	1.65	36.59	29.08	1.79	38.05	27.94	1.82	40.63	28.17	1.82	42.65	28.71	1.82
	25	32.51	26.94	1.25	34.51	28.46	1.69	36.53	29.29	1.83	37.99	28.13	1.86	40.58	28.37	1.86	42.60	28.90	1.86
	30	32.45	27.13	1.28	34.47	28.66	1.73	36.48	29.49	1.88	37.94	28.33	1.90	40.52	28.57	1.92	42.53	29.11	1.90
	35	32.41	27.32	1.31	34.42	28.85	1.78	36.44	29.70	1.93	37.88	28.53	1.96	40.45	28.77	1.96	42.47	29.32	1.96
	40	32.35	27.50	1.34	34.38	29.05	1.82	36.38	29.91	1.97	37.83	28.72	2.00	40.40	28.96	2.00	42.41	29.51	2.00
	45	32.31	27.69	1.38	34.32	29.25	1.86	36.33	30.11	2.02	37.77	28.92	2.04	40.34	29.16	2.06	42.35	29.71	2.04
	50	32.27	27.87	1.41	34.27	29.44	1.90	36.27	30.31	2.06	37.72	29.11	2.10	40.29	29.36	2.10	42.28	29.91	2.10
	55	32.22	28.06	1.44	34.22	29.65	1.95	36.22	30.51	2.12	37.66	29.30	2.14	40.22	29.55	2.14	42.23	30.11	2.14
	60	32.18	28.24	1.47	34.17	29.84	1.99	36.16	30.72	2.16	37.61	29.49	2.19	40.16	29.74	2.20	42.16	30.31	2.19
	65	32.12	28.42	1.51	34.11	30.03	2.03	36.12	30.91	2.20	37.55	29.69	2.24	40.11	29.93	2.24	42.10	30.51	2.24
	70	32.08	28.61	1.54	34.07	30.22	2.07	36.07	31.12	2.26	37.50	29.88	2.28	40.05	30.13	2.28	42.03	30.70	2.28
	75	31.31	28.13	1.64	33.29	29.77	2.14	35.28	30.68	2.31	36.71	29.48	2.35	39.26	29.77	2.37	41.24	30.36	2.38
	80	30.54	27.65	1.73	32.52	29.29	2.21	34.50	30.22	2.37	35.93	29.07	2.41	38.46	29.40	2.45	40.45	30.00	2.48
	85	29.77	27.16	1.97	31.75	28.81	2.40	33.73	29.76	2.55	35.16	28.64	2.59	37.68	29.00	2.64	39.66	29.62	2.68
	90	29.00	26.63	2.20	30.98	28.30	2.59	32.95	29.27	2.72	34.38	28.20	2.76	36.89	28.59	2.82	38.87	29.23	2.86
	95	28.17	26.36	2.44	30.14	28.05	2.76	32.11	29.05	2.86	33.00	27.58	2.82	36.03	28.44	2.96	37.99	29.11	3.02
	100	27.49	25.66	2.57	29.45	27.34	2.82	31.42	28.35	2.89	32.57	27.16	2.86	35.34	27.82	2.96	37.30	28.50	3.02
	105	26.80	24.94	2.68	28.77	26.63	2.88	30.73	27.67	2.90	32.15	26.73	2.92	34.65	27.21	2.96	36.62	27.91	3.02
	110	26.11	24.09	2.61	28.08	25.77	2.72	30.04	26.81	2.71	31.46	25.93	2.69	33.96	26.44	2.72	35.93	27.14	2.79
	115	25.42	23.38	2.34	27.39	25.04	2.37	29.36	26.10	2.31	30.77	25.27	2.27	33.28	25.81	2.28	35.24	26.52	2.34
	118	24.02	22.28	2.07	25.91	23.90	2.04	27.79	24.93	1.95	29.15	24.15	1.90	31.56	24.70	1.90	33.44	25.40	1.95
	122	23.54	21.90	1.99	25.41	23.51	1.93	27.27	24.53	1.83	28.60	23.77	1.78	30.98	24.31	1.78	32.84	25.01	1.82

Heating Capacity Table													
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)		Indoor Air Temp. °F DB / °F WB										
	°F DB	°F WB	61		64		68		70		72		75
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC
36K	-22	-23	18.88	3.64	18.57	3.75	18.16	3.88	17.64	4.00	17.35	4.07	17.12
	-13	-15	26.53	1.90	25.94	1.97	25.20	2.03	24.79	2.07	24.46	2.09	23.57
	-4	-6	30.32	2.58	29.65	2.67	28.80	2.76	28.33	2.80	27.95	2.84	26.93
	0	-2	34.11	3.81	33.36	3.93	32.40	4.06	31.87	4.13	31.44	4.19	30.30
	5	3	37.90	5.11	37.06	5.28	36.00	5.45	35.41	5.55	34.94	5.62	33.67
	10	8	22.89	2.27	21.95	2.34	21.47	2.41	21.04	2.43	20.68	2.46	19.87
	17	15	25.11	2.30	24.24	2.38	23.54	2.46	23.08	2.50	22.71	2.54	21.84
	20	18	26.47	2.34	25.63	2.41	24.80	2.50	24.33	2.54	23.95	2.58	23.03
	25	23	28.72	2.40	27.87	2.46	26.90	2.55	26.39	2.60	25.98	2.64	25.01
	30	28	30.99	2.46	30.02	2.54	29.00	2.62	28.46	2.67	28.04	2.72	27.00
	35	32	33.25	2.52	32.18	2.62	31.10	2.68	30.53	2.74	30.09	2.78	29.00
	40	36	34.94	2.59	33.95	2.68	32.88	2.76	32.30	2.82	31.86	2.86	30.70
	45	41	37.06	2.68	36.17	2.77	35.11	2.86	34.52	2.91	34.06	2.95	32.81
	47	43	37.90	2.72	37.06	2.81	36.00	2.90	35.41	2.95	34.94	2.99	33.67
	50	44	38.02	2.71	37.25	2.78	36.33	2.86	35.80	2.91	35.38	2.94	34.19
	55	48	38.20	2.68	37.57	2.74	36.88	2.81	36.45	2.84	36.12	2.86	35.04
	60	52	38.39	2.64	37.89	2.69	37.42	2.74	37.10	2.77	36.84	2.78	35.91
	63	54	38.49	2.63	38.07	2.67	37.74	2.72	37.50	2.73	37.29	2.73	36.42
	68	58	38.61	2.62	38.27	2.64	38.09	2.68	37.89	2.68	37.73	2.69	36.94
	75	64	38.73	2.60	38.47	2.62	38.43	2.64	38.29	2.63	38.18	2.65	37.48

Remarks:
 TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor, evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

5. CAPACITIES AND SELECTION DATA

Cassette

Cooling Capacity Table																			
Model No. / Nominal Capacity	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
9K	5	8.91	7.14	0.30	9.47	7.54	0.41	10.02	7.76	0.44	10.42	7.46	0.45	11.13	7.52	0.45	11.68	7.66	0.45
	10	8.90	7.19	0.31	9.45	7.60	0.42	10.01	7.82	0.45	10.41	7.51	0.46	11.12	7.58	0.46	11.67	7.72	0.46
	15	8.89	7.25	0.32	9.44	7.65	0.43	9.99	7.88	0.47	10.39	7.56	0.47	11.10	7.63	0.47	11.65	7.77	0.47
	20	8.88	7.29	0.32	9.43	7.71	0.44	9.98	7.93	0.48	10.38	7.62	0.48	11.08	7.68	0.48	11.63	7.83	0.48
	25	8.87	7.35	0.33	9.41	7.76	0.45	9.96	7.99	0.49	10.36	7.67	0.50	11.07	7.74	0.50	11.62	7.88	0.50
	30	8.85	7.40	0.34	9.40	7.82	0.46	9.95	8.04	0.50	10.35	7.73	0.51	11.05	7.79	0.51	11.60	7.94	0.51
	35	8.84	7.45	0.35	9.39	7.87	0.47	9.94	8.10	0.51	10.33	7.78	0.52	11.03	7.85	0.52	11.58	8.00	0.52
	40	8.82	7.50	0.36	9.38	7.92	0.48	9.92	8.16	0.53	10.32	7.83	0.53	11.02	7.90	0.53	11.57	8.05	0.53
	45	8.81	7.55	0.37	9.36	7.98	0.50	9.91	8.21	0.54	10.30	7.89	0.54	11.00	7.95	0.55	11.55	8.10	0.54
	50	8.80	7.60	0.38	9.35	8.03	0.51	9.89	8.27	0.55	10.29	7.94	0.56	10.99	8.01	0.56	11.53	8.16	0.56
	55	8.79	7.65	0.38	9.33	8.09	0.52	9.88	8.32	0.56	10.27	7.99	0.57	10.97	8.06	0.57	11.52	8.21	0.57
	60	8.78	7.70	0.39	9.32	8.14	0.53	9.86	8.38	0.57	10.26	8.04	0.58	10.95	8.11	0.59	11.50	8.27	0.58
	65	8.76	7.75	0.40	9.30	8.19	0.54	9.85	8.43	0.59	10.24	8.10	0.60	10.94	8.16	0.60	11.48	8.32	0.60
	70	8.75	7.80	0.41	9.29	8.24	0.55	9.84	8.49	0.60	10.23	8.15	0.61	10.92	8.22	0.61	11.46	8.37	0.61
	75	8.54	7.67	0.44	9.08	8.12	0.57	9.62	8.37	0.62	10.01	8.04	0.63	10.71	8.12	0.63	11.25	8.28	0.63
	80	8.33	7.54	0.46	8.87	7.99	0.59	9.41	8.24	0.63	9.80	7.93	0.64	10.49	8.02	0.65	11.03	8.18	0.66
	85	8.12	7.41	0.53	8.66	7.86	0.64	9.20	8.12	0.68	9.59	7.81	0.69	10.28	7.91	0.70	10.82	8.08	0.71
	90	7.91	7.26	0.59	8.45	7.72	0.69	8.99	7.98	0.72	9.38	7.69	0.74	10.06	7.80	0.75	10.60	7.97	0.76
	95	7.68	7.19	0.65	8.22	7.65	0.74	8.76	7.92	0.76	9.00	7.52	0.75	9.83	7.76	0.79	10.36	7.94	0.80
	100	7.50	7.00	0.68	8.03	7.46	0.75	8.57	7.73	0.77	8.88	7.41	0.76	9.64	7.59	0.79	10.17	7.77	0.80
	105	7.31	6.80	0.71	7.85	7.26	0.77	8.38	7.55	0.77	8.77	7.29	0.78	9.45	7.42	0.79	9.99	7.61	0.80
	110	7.12	6.57	0.69	7.66	7.03	0.72	8.19	7.31	0.72	8.58	7.07	0.72	9.26	7.21	0.72	9.80	7.40	0.74
	115	6.93	6.38	0.62	7.47	6.83	0.63	8.01	7.12	0.62	8.39	6.89	0.60	9.08	7.04	0.61	9.61	7.23	0.62
	118	6.55	6.08	0.55	7.07	6.52	0.54	7.58	6.80	0.52	7.95	6.59	0.51	8.61	6.74	0.51	9.12	6.93	0.52
	122	6.42	5.97	0.53	6.93	6.41	0.51	7.44	6.69	0.49	7.80	6.48	0.47	8.45	6.63	0.47	8.96	6.82	0.48

Heating Capacity Table														
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp.		Indoor Air Temp. °F DB / °F WB											
			61		64		68		70		72		75	
	(°F DB)	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9K	-22	-23	3.78	0.78	3.72	0.81	3.63	0.83	3.53	0.86	3.47	0.87	3.43	0.89
	-13	-15	8.84	0.66	8.65	0.68	8.40	0.70	8.26	0.71	8.15	0.72	7.86	0.74
	-4	-6	10.11	0.89	9.88	0.92	9.60	0.95	9.44	0.97	9.32	0.98	8.98	1.01
	0	-2	11.37	1.31	11.12	1.36	10.80	1.40	10.62	1.43	10.48	1.44	10.10	1.49
	5	3	12.63	1.76	12.35	1.82	12.00	1.88	11.80	1.91	11.65	1.94	11.22	2.00
	10	8	10.99	1.31	10.75	1.36	10.44	1.40	10.27	1.43	10.13	1.44	9.76	1.49
	17	15	9.35	0.89	9.14	0.92	8.88	0.95	8.73	0.97	8.62	0.98	8.30	1.01
	20	18	6.62	0.61	6.41	0.62	6.20	0.65	6.08	0.66	5.99	0.67	5.76	0.68
	25	23	7.18	0.62	6.97	0.64	6.72	0.66	6.60	0.67	6.50	0.68	6.25	0.70
	30	28	7.75	0.64	7.50	0.66	7.25	0.68	7.11	0.69	7.01	0.70	6.75	0.72
	35	32	8.31	0.65	8.05	0.68	7.77	0.69	7.63	0.71	7.52	0.72	7.25	0.74
	40	36	8.73	0.67	8.49	0.69	8.22	0.71	8.08	0.73	7.96	0.74	7.68	0.76
	45	41	9.27	0.69	9.04	0.72	8.78	0.74	8.63	0.75	8.51	0.76	8.20	0.79
	47	43	9.48	0.70	9.27	0.73	9.00	0.75	8.85	0.76	8.73	0.77	8.42	0.80
	50	44	9.50	0.70	9.31	0.72	9.08	0.74	8.95	0.75	8.85	0.76	8.55	0.78
	55	48	9.55	0.69	9.39	0.71	9.22	0.73	9.11	0.73	9.03	0.74	8.76	0.76
	60	52	9.60	0.68	9.47	0.70	9.35	0.71	9.28	0.72	9.21	0.72	8.98	0.73
	63	54	9.62	0.68	9.52	0.69	9.44	0.70	9.37	0.71	9.32	0.71	9.10	0.72
	68	58	9.65	0.68	9.57	0.68	9.52	0.69	9.47	0.69	9.43	0.70	9.24	0.70
	75	64	9.68	0.67	9.62	0.68	9.61	0.68	9.57	0.68	9.55	0.69	9.37	0.69

Remarks:
 TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor, evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

5. CAPACITIES AND SELECTION DATA

CASSETTE

Cooling Capacity Table																			
Model No. / Nominal Capacity	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12K	5	11.89	9.52	0.40	12.63	10.06	0.54	13.37	10.35	0.59	13.90	9.94	0.60	14.84	10.03	0.60	15.58	10.22	0.60
	10	11.87	9.59	0.41	12.61	10.13	0.56	13.35	10.43	0.60	13.88	10.02	0.61	14.82	10.10	0.61	15.56	10.29	0.61
	15	11.85	9.66	0.42	12.59	10.21	0.57	13.33	10.50	0.62	13.86	10.09	0.63	14.80	10.17	0.63	15.54	10.37	0.63
	20	11.84	9.73	0.43	12.57	10.28	0.59	13.31	10.58	0.64	13.84	10.16	0.65	14.78	10.25	0.65	15.51	10.44	0.65
	25	11.82	9.80	0.45	12.55	10.35	0.60	13.29	10.65	0.65	13.82	10.23	0.66	14.76	10.32	0.66	15.49	10.51	0.66
	30	11.80	9.87	0.46	12.54	10.42	0.62	13.27	10.73	0.67	13.80	10.30	0.68	14.74	10.39	0.68	15.47	10.59	0.68
	35	11.79	9.94	0.47	12.52	10.49	0.63	13.25	10.80	0.69	13.78	10.38	0.70	14.71	10.46	0.70	15.45	10.66	0.70
	40	11.77	10.00	0.48	12.50	10.57	0.65	13.23	10.88	0.70	13.76	10.45	0.71	14.69	10.53	0.71	15.42	10.73	0.71
	45	11.75	10.07	0.49	12.48	10.64	0.66	13.21	10.95	0.72	13.74	10.52	0.73	14.67	10.61	0.73	15.40	10.81	0.73
	50	11.74	10.14	0.50	12.46	10.71	0.68	13.19	11.02	0.73	13.72	10.59	0.75	14.65	10.68	0.75	15.38	10.88	0.75
	55	11.72	10.21	0.51	12.45	10.78	0.69	13.17	11.10	0.75	13.70	10.66	0.76	14.63	10.75	0.76	15.36	10.95	0.76
	60	11.70	10.27	0.52	12.43	10.85	0.71	13.15	11.17	0.77	13.68	10.73	0.78	14.61	10.82	0.78	15.33	11.02	0.78
	65	11.68	10.34	0.54	12.41	10.92	0.72	13.14	11.24	0.78	13.66	10.80	0.80	14.59	10.89	0.80	15.31	11.10	0.80
	70	11.67	10.41	0.55	12.39	10.99	0.74	13.12	11.32	0.80	13.64	10.87	0.81	14.57	10.96	0.81	15.29	11.17	0.81
	75	11.39	10.23	0.58	12.11	10.83	0.76	12.83	11.16	0.82	13.35	10.72	0.84	14.28	10.83	0.84	15.00	11.04	0.85
	80	11.11	10.06	0.62	11.83	10.65	0.79	12.55	10.99	0.84	13.07	10.57	0.86	13.99	10.69	0.87	14.71	10.91	0.88
	85	10.83	9.88	0.70	11.55	10.48	0.85	12.27	10.82	0.91	12.79	10.42	0.92	13.70	10.55	0.94	14.42	10.77	0.95
	90	10.55	9.69	0.78	11.27	10.29	0.92	11.98	10.65	0.97	12.50	10.26	0.98	13.42	10.40	1.00	14.14	10.63	1.02
	95	10.25	9.59	0.87	10.96	10.20	0.98	11.68	10.57	1.02	12.00	10.03	1.00	13.10	10.34	1.05	13.82	10.59	1.07
	100	10.00	9.33	0.91	10.71	9.94	1.00	11.43	10.31	1.03	11.85	9.88	1.02	12.85	10.12	1.05	13.57	10.37	1.07
	105	9.75	9.07	0.95	10.46	9.69	1.02	11.18	10.06	1.03	11.69	9.72	1.04	12.60	9.90	1.05	13.32	10.15	1.07
	110	9.50	8.76	0.93	10.21	9.37	0.97	10.93	9.75	0.96	11.44	9.43	0.96	12.35	9.62	0.97	13.07	9.87	0.99
	115	9.25	8.50	0.83	9.96	9.11	0.84	10.68	9.49	0.82	11.19	9.19	0.81	12.10	9.39	0.81	12.82	9.65	0.83
	118	8.74	8.10	0.74	9.42	8.69	0.73	10.11	9.07	0.69	10.60	8.78	0.68	11.48	8.98	0.68	12.16	9.24	0.69
	122	8.56	7.97	0.71	9.24	8.55	0.69	9.92	8.92	0.65	10.40	8.65	0.63	11.27	8.84	0.63	11.94	9.10	0.65

Heating Capacity Table														
Model No. Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)		Indoor Air Temp. °F DB / °F WB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
12K	-22	-23	5.03	1.05	4.95	1.08	4.84	1.11	4.70	1.15	4.62	1.17	4.56	1.19
	-13	-15	8.84	0.66	8.65	0.68	8.40	0.70	8.26	0.71	8.15	0.72	7.86	0.74
	-4	-6	10.11	0.89	9.88	0.92	9.60	0.95	9.44	0.97	9.32	0.98	8.98	1.01
	0	-2	11.37	1.31	11.12	1.36	10.80	1.40	10.62	1.43	10.48	1.44	10.10	1.49
	5	3	12.63	1.76	12.35	1.82	12.00	1.88	11.80	1.91	11.65	1.94	11.22	2.00
	10	8	10.99	1.31	10.75	1.36	10.44	1.40	10.27	1.43	10.13	1.44	9.76	1.49
	17	15	9.35	0.89	9.14	0.92	8.88	0.95	8.73	0.97	8.62	0.98	8.30	1.01
	20	18	8.82	0.81	8.54	0.83	8.27	0.86	8.11	0.88	7.98	0.89	7.68	0.91
	25	23	9.57	0.83	9.29	0.85	8.97	0.88	8.80	0.90	8.66	0.91	8.34	0.94
	30	28	10.33	0.85	10.01	0.88	9.67	0.90	9.49	0.92	9.35	0.94	9.00	0.96
	35	32	11.08	0.87	10.73	0.90	10.37	0.92	10.18	0.95	10.03	0.96	9.67	0.99
	40	36	11.65	0.89	11.32	0.92	10.96	0.95	10.77	0.97	10.62	0.99	10.23	1.01
	45	41	12.35	0.92	12.06	0.96	11.70	0.99	11.51	1.00	11.35	1.02	10.94	1.05
	47	43	12.63	0.94	12.35	0.97	12.00	1.00	11.80	1.02	11.65	1.03	11.22	1.06
	50	44	12.67	0.93	12.42	0.96	12.11	0.99	11.93	1.00	11.79	1.01	11.40	1.04
	55	48	12.73	0.92	12.52	0.95	12.29	0.97	12.15	0.98	12.04	0.99	11.68	1.01
	60	52	12.80	0.91	12.63	0.93	12.47	0.95	12.37	0.96	12.28	0.96	11.97	0.97
	63	54	12.83	0.91	12.69	0.92	12.58	0.94	12.50	0.94	12.43	0.94	12.14	0.96
	68	58	12.87	0.90	12.76	0.91	12.70	0.92	12.63	0.92	12.58	0.93	12.31	0.94
	75	64	12.91	0.90	12.82	0.90	12.81	0.91	12.76	0.91	12.73	0.92	12.49	0.92

Remarks:
 TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor, evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

5. CAPACITIES AND SELECTION DATA

CASSETTE

Cooling Capacity Tables																			
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
18K	5	17.83	14.28	0.60	18.94	15.08	0.81	20.05	15.53	0.88	20.84	14.91	0.89	22.26	15.04	0.89	23.36	15.32	0.89
	10	17.81	14.39	0.62	18.91	15.20	0.83	20.02	15.64	0.90	20.81	15.02	0.92	22.23	15.15	0.92	23.33	15.44	0.92
	15	17.78	14.49	0.63	18.89	15.31	0.86	19.99	15.75	0.93	20.78	15.13	0.94	22.19	15.26	0.95	23.30	15.55	0.94
	20	17.75	14.59	0.65	18.86	15.41	0.88	19.96	15.86	0.95	20.75	15.24	0.97	22.16	15.37	0.97	23.27	15.66	0.97
	25	17.73	14.69	0.67	18.83	15.53	0.90	19.93	15.98	0.98	20.72	15.35	0.99	22.13	15.47	0.99	23.24	15.77	0.99
	30	17.70	14.80	0.68	18.80	15.63	0.92	19.90	16.09	1.00	20.69	15.45	1.01	22.10	15.59	1.02	23.20	15.88	1.01
	35	17.68	14.90	0.70	18.77	15.74	0.95	19.88	16.20	1.03	20.66	15.56	1.04	22.07	15.69	1.04	23.17	15.99	1.04
	40	17.65	15.00	0.71	18.75	15.85	0.97	19.85	16.31	1.05	20.63	15.67	1.07	22.04	15.80	1.07	23.13	16.10	1.07
	45	17.63	15.11	0.74	18.72	15.95	0.99	19.82	16.43	1.07	20.60	15.77	1.09	22.01	15.91	1.10	23.10	16.21	1.09
	50	17.60	15.20	0.75	18.69	16.06	1.01	19.79	16.53	1.10	20.57	15.88	1.12	21.98	16.01	1.12	23.06	16.31	1.12
	55	17.57	15.31	0.77	18.67	16.17	1.04	19.76	16.64	1.13	20.54	15.98	1.14	21.94	16.12	1.14	23.03	16.43	1.14
	60	17.55	15.41	0.78	18.64	16.28	1.06	19.73	16.76	1.15	20.51	16.09	1.16	21.91	16.22	1.17	23.00	16.53	1.16
	65	17.52	15.50	0.80	18.61	16.38	1.08	19.70	16.86	1.17	20.48	16.19	1.19	21.88	16.33	1.19	22.97	16.64	1.19
	70	17.50	15.61	0.82	18.59	16.49	1.10	19.67	16.97	1.20	20.45	16.30	1.22	21.85	16.43	1.22	22.93	16.75	1.22
	75	17.08	15.35	0.87	18.16	16.24	1.14	19.25	16.73	1.23	20.03	16.08	1.25	21.41	16.24	1.26	22.49	16.56	1.27
	80	16.66	15.08	0.92	17.74	15.98	1.18	18.82	16.49	1.26	19.60	15.86	1.28	20.98	16.04	1.31	22.07	16.37	1.32
	85	16.24	14.81	1.05	17.32	15.71	1.28	18.40	16.23	1.36	19.18	15.62	1.38	20.55	15.82	1.40	21.63	16.16	1.43
	90	15.82	14.53	1.17	16.90	15.44	1.38	17.97	15.97	1.45	18.75	15.38	1.47	20.12	15.59	1.50	21.20	15.95	1.52
	95	15.37	14.38	1.30	16.44	15.30	1.47	17.51	15.85	1.52	18.00	15.05	1.50	19.65	15.51	1.58	20.72	15.88	1.61
	100	14.99	14.00	1.37	16.07	14.91	1.50	17.14	15.47	1.54	17.77	14.81	1.52	19.28	15.17	1.58	20.35	15.55	1.61
	105	14.62	13.61	1.43	15.69	14.53	1.53	16.76	15.09	1.55	17.54	14.58	1.55	18.90	14.84	1.58	19.97	15.23	1.61
	110	14.24	13.14	1.39	15.32	14.06	1.45	16.39	14.63	1.44	17.16	14.15	1.43	18.53	14.42	1.45	19.60	14.81	1.49
	115	13.87	12.75	1.25	14.94	13.66	1.26	16.01	14.24	1.23	16.79	13.79	1.21	18.15	14.08	1.22	19.22	14.47	1.25
	118	13.10	12.15	1.10	14.13	13.04	1.09	15.16	13.60	1.04	15.90	13.17	1.01	17.21	13.47	1.01	18.24	13.85	1.04
	122	12.84	11.95	1.06	13.86	12.83	1.03	14.87	13.38	0.98	15.60	12.97	0.95	16.90	13.26	0.95	17.91	13.64	0.97

Heating Capacity Tables														
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp.		Indoor Air Temp. °F DB / °F WB											
	°F DB	°F WB	61		64		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
18K	-22	-23	8.14	1.77	8.01	1.82	7.83	1.88	7.61	1.94	7.48	1.98	7.38	2.00
	-13	-15	13.27	1.02	12.97	1.06	12.60	1.09	12.39	1.11	12.23	1.13	11.78	1.16
	-4	-6	15.16	1.39	14.82	1.44	14.40	1.48	14.16	1.51	13.98	1.53	13.47	1.57
	0	-2	17.06	2.05	16.68	2.12	16.20	2.18	15.93	2.22	15.72	2.25	15.15	2.32
	5	3	18.95	2.75	18.53	2.84	18.00	2.93	17.70	2.99	17.47	3.02	16.83	3.12
	10	8	11.44	1.22	10.98	1.26	10.73	1.30	10.52	1.31	10.34	1.32	9.93	1.37
	17	15	12.56	1.24	12.12	1.28	11.77	1.32	11.54	1.34	11.36	1.37	10.92	1.40
	20	18	13.23	1.26	12.81	1.30	12.40	1.34	12.16	1.37	11.97	1.39	11.51	1.42
	25	23	14.36	1.29	13.93	1.32	13.45	1.37	13.19	1.40	12.99	1.42	12.50	1.46
	30	28	15.50	1.32	15.01	1.37	14.50	1.41	14.23	1.43	14.02	1.46	13.50	1.50
	35	32	16.62	1.36	16.09	1.41	15.55	1.44	15.27	1.48	15.04	1.50	14.50	1.54
	40	36	17.47	1.39	16.98	1.44	16.44	1.48	16.15	1.52	15.93	1.54	15.35	1.58
	45	41	18.53	1.44	18.09	1.49	17.55	1.54	17.26	1.57	17.03	1.59	16.41	1.64
	47	43	18.95	1.46	18.53	1.51	18.00	1.56	17.70	1.59	17.47	1.61	16.83	1.66
	50	44	19.01	1.46	18.62	1.50	18.16	1.54	17.90	1.57	17.69	1.58	17.10	1.63
	55	48	19.10	1.44	18.79	1.48	18.44	1.51	18.22	1.53	18.06	1.54	17.52	1.57
	60	52	19.19	1.42	18.94	1.45	18.71	1.48	18.55	1.49	18.42	1.50	17.95	1.52
	63	54	19.25	1.41	19.04	1.43	18.87	1.46	18.75	1.47	18.64	1.47	18.21	1.49
	68	58	19.30	1.41	19.13	1.42	19.04	1.44	18.94	1.44	18.87	1.45	18.47	1.46
	75	64	19.36	1.40	19.23	1.41	19.21	1.42	19.14	1.41	19.09	1.43	18.74	1.44

Remarks:
 TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor, evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

5. CAPACITIES AND SELECTION DATA

CASSETTE

Cooling Capacity Tables																			
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
24K	5	23.77	19.04	0.80	25.25	20.11	1.08	26.73	20.70	1.17	27.79	19.88	1.19	29.68	20.05	1.19	31.15	20.43	1.19
	10	23.74	19.18	0.82	25.21	20.26	1.11	26.69	20.85	1.20	27.75	20.03	1.22	29.64	20.20	1.22	31.11	20.58	1.22
	15	23.70	19.32	0.84	25.18	20.41	1.14	26.65	21.00	1.24	27.71	20.17	1.25	29.59	20.34	1.26	31.07	20.73	1.25
	20	23.67	19.45	0.86	25.14	20.55	1.17	26.61	21.15	1.27	27.67	20.32	1.29	29.55	20.49	1.29	31.02	20.88	1.29
	25	23.64	19.59	0.89	25.10	20.70	1.20	26.57	21.30	1.30	27.63	20.46	1.32	29.51	20.63	1.32	30.98	21.02	1.32
	30	23.60	19.73	0.91	25.07	20.84	1.23	26.53	21.45	1.33	27.59	20.60	1.35	29.47	20.78	1.36	30.93	21.17	1.35
	35	23.57	19.87	0.93	25.03	20.98	1.26	26.50	21.60	1.37	27.55	20.75	1.39	29.42	20.92	1.39	30.89	21.32	1.39
	40	23.53	20.00	0.95	25.00	21.13	1.29	26.46	21.75	1.40	27.51	20.89	1.42	29.38	21.06	1.42	30.84	21.46	1.42
	45	23.50	20.14	0.98	24.96	21.27	1.32	26.42	21.90	1.43	27.47	21.03	1.45	29.34	21.21	1.46	30.80	21.61	1.45
	50	23.47	20.27	1.00	24.92	21.41	1.35	26.38	22.04	1.46	27.43	21.17	1.49	29.30	21.35	1.49	30.75	21.75	1.49
	55	23.43	20.41	1.02	24.89	21.56	1.38	26.34	22.19	1.50	27.39	21.31	1.52	29.25	21.49	1.52	30.71	21.90	1.52
	60	23.40	20.54	1.04	24.85	21.70	1.41	26.30	22.34	1.53	27.35	21.45	1.55	29.21	21.63	1.56	30.66	22.04	1.55
	65	23.36	20.67	1.07	24.81	21.84	1.44	26.27	22.48	1.56	27.31	21.59	1.59	29.17	21.77	1.59	30.62	22.19	1.59
	70	23.33	20.81	1.09	24.78	21.98	1.47	26.23	22.63	1.60	27.27	21.73	1.62	29.13	21.91	1.62	30.57	22.33	1.62
	75	22.77	20.46	1.16	24.21	21.65	1.52	25.66	22.31	1.64	26.70	21.44	1.67	28.55	21.65	1.68	29.99	22.08	1.69
	80	22.21	20.11	1.23	23.65	21.30	1.57	25.09	21.98	1.68	26.13	21.14	1.71	27.97	21.38	1.74	29.42	21.82	1.76
	85	21.65	19.75	1.40	23.09	20.95	1.70	24.53	21.64	1.81	25.57	20.83	1.84	27.40	21.09	1.87	28.84	21.54	1.90
	90	21.09	19.37	1.56	22.53	20.58	1.84	23.96	21.29	1.93	25.00	20.51	1.96	26.83	20.79	2.00	28.27	21.26	2.03
	95	20.49	19.17	1.73	21.92	20.40	1.96	23.35	21.13	2.03	24.00	20.06	2.00	26.20	20.68	2.10	27.63	21.17	2.14
	100	19.99	18.66	1.82	21.42	19.88	2.00	22.85	20.62	2.05	23.69	19.75	2.03	25.70	20.23	2.10	27.13	20.73	2.14
	105	19.49	18.14	1.90	20.92	19.37	2.04	22.35	20.12	2.06	23.38	19.44	2.07	25.20	19.79	2.10	26.63	20.30	2.14
	110	18.99	17.52	1.85	20.42	18.74	1.93	21.85	19.50	1.92	22.88	18.86	1.91	24.70	19.23	1.93	26.13	19.74	1.98
	115	18.49	17.00	1.66	19.92	18.21	1.68	21.35	18.98	1.64	22.38	18.38	1.61	24.20	18.77	1.62	25.63	19.29	1.66
	118	17.47	16.20	1.47	18.84	17.38	1.45	20.21	18.13	1.38	21.20	17.56	1.35	22.95	17.96	1.35	24.32	18.47	1.38
	122	17.12	15.93	1.41	18.48	17.10	1.37	19.83	17.84	1.30	20.80	17.29	1.26	22.53	17.68	1.26	23.88	18.19	1.29

Heating Capacity Tables														
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp.		Indoor Air Temp. °F DB / °F WB											
	°F DB	°F WB	61		64		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
24K	-22	-23	16.53	2.40	16.26	2.47	15.90	2.56	15.45	2.64	15.19	2.68	14.99	2.72
	-13	-15	17.69	1.31	17.30	1.36	16.80	1.40	16.52	1.43	16.30	1.44	15.71	1.49
	-4	-6	20.21	1.78	19.77	1.84	19.20	1.90	18.89	1.93	18.63	1.96	17.95	2.02
	0	-2	22.74	2.63	22.24	2.71	21.60	2.80	21.25	2.85	20.96	2.89	20.20	2.98
	5	3	25.27	3.53	24.71	3.64	24.00	3.76	23.61	3.83	23.29	3.88	22.44	4.00
	10	8	15.26	1.56	14.64	1.62	14.31	1.66	14.02	1.68	13.79	1.70	13.25	1.75
	17	15	16.74	1.59	16.16	1.64	15.69	1.70	15.39	1.72	15.14	1.75	14.56	1.79
	20	18	17.64	1.62	17.08	1.66	16.53	1.72	16.22	1.75	15.97	1.78	15.35	1.82
	25	23	19.15	1.65	18.58	1.70	17.93	1.76	17.59	1.79	17.32	1.82	16.67	1.88
	30	28	20.66	1.70	20.01	1.75	19.33	1.80	18.97	1.84	18.69	1.88	18.00	1.92
	35	32	22.16	1.74	21.46	1.80	20.73	1.85	20.35	1.89	20.06	1.92	19.33	1.97
	40	36	23.29	1.79	22.64	1.85	21.92	1.90	21.53	1.95	21.24	1.97	20.47	2.03
	45	41	24.71	1.85	24.11	1.91	23.41	1.97	23.01	2.01	22.71	2.04	21.88	2.10
	47	43	25.27	1.88	24.71	1.94	24.00	2.00	23.61	2.04	23.29	2.06	22.44	2.13
	50	44	25.35	1.87	24.83	1.92	24.22	1.97	23.87	2.01	23.59	2.03	22.79	2.09
	55	48	25.47	1.85	25.05	1.89	24.59	1.94	24.30	1.96	24.08	1.97	23.36	2.02
	60	52	25.59	1.82	25.26	1.86	24.94	1.89	24.73	1.91	24.56	1.92	23.94	1.95
	63	54	25.66	1.81	25.38	1.84	25.16	1.88	25.00	1.88	24.86	1.88	24.28	1.91
	68	58	25.74	1.80	25.51	1.82	25.39	1.85	25.26	1.85	25.15	1.86	24.63	1.88
	75	64	25.82	1.79	25.64	1.80	25.62	1.82	25.52	1.81	25.45	1.83	24.98	1.84

Remarks:
 TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor, evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

5. CAPACITIES AND SELECTION DATA

CASSETTE

Cooling Capacity Table																			
Model No. / Nominal Capacity	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
36K	5	35.66	28.56	1.20	37.88	30.17	1.62	40.10	31.05	1.76	41.69	29.82	1.79	44.52	30.08	1.79	46.73	30.65	1.79
	10	35.61	28.77	1.23	37.82	30.39	1.67	40.04	31.28	1.80	41.63	30.05	1.83	44.46	30.30	1.83	46.67	30.87	1.83
	15	35.55	28.98	1.26	37.77	30.62	1.71	39.98	31.50	1.86	41.57	30.26	1.88	44.39	30.51	1.89	46.61	31.10	1.88
	20	35.51	29.18	1.29	37.71	30.83	1.76	39.92	31.73	1.91	41.51	30.48	1.94	44.33	30.74	1.94	46.53	31.32	1.94
	25	35.46	29.39	1.34	37.65	31.05	1.80	39.86	31.95	1.95	41.45	30.69	1.98	44.27	30.95	1.98	46.47	31.53	1.98
	30	35.40	29.60	1.37	37.61	31.26	1.85	39.80	32.18	2.00	41.39	30.90	2.03	44.21	31.17	2.04	46.40	31.76	2.03
	35	35.36	29.81	1.40	37.55	31.47	1.89	39.75	32.40	2.06	41.33	31.13	2.09	44.13	31.38	2.09	46.34	31.98	2.09
	40	35.30	30.00	1.43	37.50	31.70	1.94	39.69	32.63	2.10	41.27	31.34	2.13	44.07	31.59	2.13	46.26	32.19	2.13
	45	35.25	30.21	1.47	37.44	31.91	1.98	39.63	32.85	2.15	41.21	31.55	2.18	44.01	31.82	2.19	46.20	32.42	2.18
	50	35.21	30.41	1.50	37.38	32.12	2.03	39.57	33.06	2.19	41.15	31.76	2.24	43.95	32.03	2.24	46.13	32.63	2.24
	55	35.15	30.62	1.53	37.34	32.34	2.07	39.51	33.29	2.25	41.09	31.97	2.28	43.88	32.24	2.28	46.07	32.85	2.28
	60	35.10	30.81	1.56	37.28	32.55	2.12	39.45	33.51	2.30	41.03	32.18	2.33	43.82	32.45	2.34	45.99	33.06	2.33
	65	35.04	31.01	1.61	37.22	32.76	2.16	39.41	33.72	2.34	40.97	32.39	2.39	43.76	32.66	2.39	45.93	33.29	2.39
	70	35.00	31.22	1.64	37.17	32.97	2.21	39.35	33.95	2.40	40.91	32.60	2.43	43.70	32.87	2.43	45.86	33.50	2.43
	75	34.16	30.69	1.74	36.32	32.48	2.28	38.49	33.47	2.46	40.05	32.16	2.51	42.83	32.48	2.52	44.99	33.12	2.54
	80	33.32	30.17	1.85	35.48	31.95	2.36	37.64	32.97	2.52	39.20	31.71	2.57	41.96	32.07	2.61	44.13	32.73	2.64
	85	32.48	29.63	2.10	34.64	31.43	2.55	36.80	32.46	2.72	38.36	31.25	2.76	41.10	31.64	2.81	43.26	32.31	2.85
	90	31.64	29.06	2.34	33.80	30.87	2.76	35.94	31.94	2.90	37.50	30.77	2.94	40.25	31.19	3.00	42.41	31.89	3.05
	95	30.74	28.76	2.60	32.88	30.60	2.94	35.03	31.70	3.05	36.00	30.09	3.00	39.30	31.02	3.15	41.45	31.76	3.21
	100	29.99	27.99	2.73	32.13	29.82	3.00	34.28	30.93	3.08	35.54	29.63	3.05	38.55	30.35	3.15	40.70	31.10	3.21
	105	29.24	27.21	2.85	31.38	29.06	3.06	33.53	30.18	3.09	35.07	29.16	3.11	37.80	29.69	3.15	39.95	30.45	3.21
	110	28.49	26.28	2.78	30.63	28.11	2.90	32.78	29.25	2.88	34.32	28.29	2.87	37.05	28.85	2.90	39.20	29.61	2.97
	115	27.74	25.50	2.49	29.88	27.32	2.52	32.03	28.47	2.46	33.57	27.57	2.42	36.30	28.16	2.43	38.45	28.94	2.49
	118	26.21	24.30	2.21	28.26	26.07	2.18	30.32	27.20	2.07	31.80	26.34	2.03	34.43	26.94	2.03	36.48	27.71	2.07
	122	25.68	23.90	2.12	27.72	25.65	2.06	29.75	26.76	1.95	31.20	25.94	1.89	33.80	26.52	1.89	35.82	27.29	1.94

Heating Capacity Table														
Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)		Indoor Air Temp. °F DB / °F WB											
	°F DB	°F WB	61		64		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
36K	-22	-23	18.88	3.64	18.57	3.75	18.16	3.88	17.64	4.00	17.35	4.07	17.12	4.13
	-13	-15	26.53	1.90	25.94	1.97	25.20	2.03	24.79	2.07	24.46	2.09	23.57	2.16
	-4	-6	30.32	2.58	29.65	2.67	28.80	2.76	28.33	2.80	27.95	2.84	26.93	2.93
	0	-2	34.11	3.81	33.36	3.93	32.40	4.06	31.87	4.13	31.44	4.19	30.30	4.31
	5	3	37.90	5.11	37.06	5.28	36.00	5.45	35.41	5.55	34.94	5.62	33.67	5.79
	10	8	22.89	2.27	21.95	2.34	21.47	2.41	21.04	2.43	20.68	2.46	19.87	2.54
	17	15	25.11	2.30	24.24	2.38	23.54	2.46	23.08	2.50	22.71	2.54	21.84	2.60
	20	18	26.47	2.34	25.63	2.41	24.80	2.50	24.33	2.54	23.95	2.58	23.03	2.64
	25	23	28.72	2.40	27.87	2.46	26.90	2.55	26.39	2.60	25.98	2.64	25.01	2.72
	30	28	30.99	2.46	30.02	2.54	29.00	2.62	28.46	2.67	28.04	2.72	27.00	2.78
	35	32	33.25	2.52	32.18	2.62	31.10	2.68	30.53	2.74	30.09	2.78	29.00	2.86
	40	36	34.94	2.59	33.95	2.68	32.88	2.76	32.30	2.82	31.86	2.86	30.70	2.94
	45	41	37.06	2.68	36.17	2.77	35.11	2.86	34.52	2.91	34.06	2.95	32.81	3.04
	47	43	37.90	2.72	37.06	2.81	36.00	2.90	35.41	2.95	34.94	2.99	33.67	3.08
	50	44	38.02	2.71	37.25	2.78	36.33	2.86	35.80	2.91	35.38	2.94	34.19	3.03
	55	48	38.20	2.68	37.57	2.74	36.88	2.81	36.45	2.84	36.12	2.86	35.04	2.93
	60	52	38.39	2.64	37.89	2.69	37.42	2.74	37.10	2.77	36.84	2.78	35.91	2.82
	63	54	38.49	2.63	38.07	2.67	37.74	2.72	37.50	2.73	37.29	2.73	36.42	2.77
	68	58	38.61	2.62	38.27	2.64	38.09	2.68	37.89	2.68	37.73	2.69	36.94	2.72
	75	64	38.73	2.60	38.47	2.62	38.43	2.64	38.29	2.63	38.18	2.65	37.48	2.67

Remarks:

TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor, evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

Wall Mount 9K BTU

Cooling Capacity Tables

Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB																	
	°F DB	68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
09K	5	7.46	6.21	0.30	7.93	6.60	0.41	8.38	6.82	0.44	8.73	6.51	0.45	9.32	6.58	0.45	9.77	6.69	0.45
	10	7.46	6.21	0.31	7.93	6.60	0.42	8.38	6.82	0.45	8.73	6.51	0.46	9.32	6.58	0.46	9.77	6.69	0.46
	15	7.46	6.21	0.32	7.93	6.60	0.43	8.38	6.82	0.47	8.73	6.51	0.47	9.32	6.58	0.47	9.77	6.69	0.47
	20	7.46	6.21	0.32	7.93	6.60	0.44	8.38	6.82	0.48	8.73	6.51	0.48	9.32	6.58	0.48	9.77	6.69	0.48
	25	7.46	6.21	0.33	7.93	6.60	0.45	8.38	6.82	0.49	8.73	6.51	0.50	9.32	6.58	0.50	9.77	6.69	0.50
	30	7.46	6.21	0.34	7.93	6.60	0.46	8.38	6.82	0.50	8.73	6.51	0.51	9.32	6.58	0.51	9.77	6.69	0.51
	35	7.46	6.21	0.35	7.93	6.60	0.47	8.38	6.82	0.51	8.73	6.51	0.52	9.32	6.58	0.52	9.77	6.69	0.52
	40	7.46	6.21	0.36	7.93	6.60	0.48	8.38	6.82	0.53	8.73	6.51	0.53	9.32	6.58	0.53	9.77	6.69	0.53
	45	7.46	6.21	0.37	7.93	6.60	0.50	8.38	6.82	0.54	8.73	6.51	0.54	9.32	6.58	0.55	9.77	6.69	0.54
	50	7.46	6.21	0.38	7.93	6.60	0.51	8.38	6.82	0.55	8.73	6.51	0.56	9.32	6.58	0.56	9.77	6.69	0.56
	55	7.68	6.97	0.38	8.22	7.41	0.52	8.76	7.68	0.56	9.00	7.29	0.57	9.83	7.52	0.57	10.36	7.69	0.57
	60	7.68	6.97	0.39	8.22	7.41	0.53	8.76	7.68	0.57	9.00	7.29	0.58	9.83	7.52	0.59	10.36	7.69	0.58
	65	7.68	6.97	0.40	8.22	7.41	0.54	8.76	7.68	0.59	9.00	7.29	0.60	9.83	7.52	0.60	10.36	7.69	0.60
	70	7.68	6.97	0.41	8.22	7.41	0.55	8.76	7.68	0.60	9.00	7.29	0.61	9.83	7.52	0.61	10.36	7.69	0.61
	75	7.68	6.97	0.44	8.22	7.41	0.57	8.76	7.68	0.62	9.00	7.29	0.63	9.83	7.52	0.63	10.36	7.69	0.63
	80	7.68	6.97	0.46	8.22	7.41	0.59	8.76	7.68	0.63	9.00	7.29	0.64	9.83	7.52	0.65	10.36	7.69	0.66
	85	7.68	6.97	0.53	8.22	7.41	0.64	8.76	7.68	0.68	9.00	7.29	0.69	9.83	7.52	0.70	10.36	7.69	0.71
	90	7.68	6.97	0.59	8.22	7.41	0.69	8.76	7.68	0.72	9.00	7.29	0.74	9.83	7.52	0.75	10.36	7.69	0.76
	95	7.68	6.97	0.65	8.22	7.41	0.74	8.76	7.68	0.76	9.00	7.29	0.75	9.83	7.52	0.79	10.36	7.69	0.80
	100	7.68	6.37	0.68	8.22	6.81	0.75	8.76	7.09	0.77	9.00	6.85	0.76	9.83	6.99	0.79	10.36	7.17	0.80
	105	7.68	6.37	0.71	8.22	6.81	0.77	8.76	7.09	0.77	9.00	6.85	0.78	9.83	6.99	0.79	10.36	7.17	0.80
	110	7.68	6.37	0.73	8.22	6.81	0.78	8.76	7.09	0.79	9.00	6.85	0.79	9.83	6.99	0.80	10.36	7.17	0.82
	115	6.93	6.18	0.62	7.47	6.62	0.63	8.01	6.90	0.62	8.39	6.68	0.60	9.08	6.82	0.61	9.61	7.01	0.62
	118	6.55	5.89	0.55	7.07	6.32	0.54	7.58	6.59	0.52	7.95	6.38	0.51	8.61	6.53	0.51	9.12	6.71	0.52
	125	6.42	5.79	0.53	6.93	6.21	0.51	7.44	6.48	0.49	7.80	6.28	0.47	8.45	6.43	0.47	8.96	6.61	0.48

Heating Capacity Tables

Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp.		Indoor Air Temp. °F DB / °F WB											
	°F DB	°F WB	61		64		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
09K	-22	-24	3.77	0.78	3.71	0.81	3.63	0.84	3.53	0.86	3.47	0.88	3.42	0.98
	-13	-15	6.74	1.01	6.63	1.04	6.49	1.08	6.30	1.11	6.20	1.13	6.11	1.15
	-4	-6	7.22	1.08	7.11	1.12	6.95	1.15	6.75	1.19	6.64	1.21	6.44	1.23
	0	-2	7.70	1.15	7.58	1.19	7.41	1.23	7.20	1.27	7.08	1.29	6.87	1.31
	5	3	9.63	1.20	9.48	1.24	9.27	1.28	9.00	1.32	8.85	1.34	8.74	1.36
	10	8	9.63	1.14	9.48	1.18	9.27	1.22	9.00	1.25	8.85	1.28	8.74	1.29
	17	15	9.63	1.08	9.48	1.12	9.27	1.15	9.00	1.19	8.85	1.21	8.74	1.23
	20	18	9.63	1.03	9.48	1.06	9.27	1.09	9.00	1.13	8.85	1.15	8.74	1.16
	25	23	9.63	0.97	9.48	1.00	9.27	1.03	9.00	1.07	8.85	1.08	8.74	1.10
	30	28	9.63	0.91	9.48	0.94	9.27	0.97	9.00	1.00	8.85	1.02	8.74	1.03
	35	32	9.63	0.85	9.48	0.88	9.27	0.91	9.00	0.94	8.85	0.96	8.74	0.97
	40	36	9.63	0.80	9.48	0.82	9.27	0.85	9.00	0.88	8.85	0.89	8.74	0.90
	45	41	9.63	0.74	9.48	0.76	9.27	0.79	9.00	0.81	8.85	0.83	8.74	0.84
	47	43	9.63	0.68	9.48	0.70	9.27	0.73	9.00	0.75	8.85	0.76	8.74	0.77
	50	44	9.63	0.67	9.48	0.69	9.27	0.72	9.00	0.74	8.85	0.75	8.74	0.76
	55	48	9.63	0.66	9.48	0.68	9.27	0.70	9.00	0.73	8.85	0.74	8.74	0.75
	60	52	9.63	0.65	9.48	0.66	9.27	0.69	9.00	0.71	8.85	0.72	8.74	0.73
	63	54	9.63	0.64	9.48	0.66	9.27	0.68	9.00	0.70	8.85	0.72	8.74	0.73
	68	58	9.63	0.63	9.48	0.65	9.27	0.67	9.00	0.69	8.85	0.70	8.74	0.71
	75	64	9.63	0.62	9.48	0.64	9.27	0.66	9.00	0.68	8.85	0.69	8.74	0.70

Remarks:

TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor,
 evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

Wall Mount 12K BTU

Cooling Capacity Tables

Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (*F DB)	Indoor Air Temp. *F DB / *F WB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12K	5	9.95	8.28	0.43	10.57	8.80	0.58	11.17	9.09	0.63	11.64	8.68	0.64	12.43	8.77	0.64	13.03	8.93	0.64
	10	9.95	8.28	0.44	10.57	8.80	0.59	11.17	9.09	0.64	11.64	8.68	0.65	12.43	8.77	0.65	13.03	8.93	0.65
	15	9.95	8.28	0.45	10.57	8.80	0.61	11.17	9.09	0.66	11.64	8.68	0.67	12.43	8.77	0.67	13.03	8.93	0.67
	20	9.95	8.28	0.46	10.57	8.80	0.63	11.17	9.09	0.68	11.64	8.68	0.69	12.43	8.77	0.69	13.03	8.93	0.69
	25	9.95	8.28	0.48	10.57	8.80	0.64	11.17	9.09	0.70	11.64	8.68	0.71	12.43	8.77	0.71	13.03	8.93	0.71
	30	9.95	8.28	0.49	10.57	8.80	0.66	11.17	9.09	0.71	11.64	8.68	0.72	12.43	8.77	0.73	13.03	8.93	0.72
	35	9.95	8.28	0.50	10.57	8.80	0.67	11.17	9.09	0.73	11.64	8.68	0.74	12.43	8.77	0.74	13.03	8.93	0.74
	40	9.95	8.28	0.51	10.57	8.80	0.69	11.17	9.09	0.75	11.64	8.68	0.76	12.43	8.77	0.76	13.03	8.93	0.76
	45	9.95	8.28	0.52	10.57	8.80	0.71	11.17	9.09	0.77	11.64	8.68	0.78	12.43	8.77	0.78	13.03	8.93	0.78
	50	9.95	8.28	0.54	10.57	8.80	0.72	11.17	9.09	0.78	11.64	8.68	0.80	12.43	8.77	0.80	13.03	8.93	0.80
	55	10.24	9.29	0.55	10.96	9.88	0.74	11.67	10.24	0.80	12.00	9.72	0.81	13.10	10.02	0.81	13.82	10.26	0.81
	60	10.24	9.29	0.56	10.96	9.88	0.76	11.67	10.24	0.82	12.00	9.72	0.83	13.10	10.02	0.84	13.82	10.26	0.83
	65	10.24	9.29	0.57	10.96	9.88	0.77	11.67	10.24	0.84	12.00	9.72	0.85	13.10	10.02	0.85	13.82	10.26	0.85
	70	10.24	9.29	0.58	10.96	9.88	0.79	11.67	10.24	0.86	12.00	9.72	0.87	13.10	10.02	0.87	13.82	10.26	0.87
	75	10.24	9.29	0.62	10.96	9.88	0.81	11.67	10.24	0.88	12.00	9.72	0.89	13.10	10.02	0.90	13.82	10.26	0.90
	80	10.24	9.29	0.66	10.96	9.88	0.84	11.67	10.24	0.90	12.00	9.72	0.92	13.10	10.02	0.93	13.82	10.26	0.94
	85	10.24	9.29	0.75	10.96	9.88	0.91	11.67	10.24	0.97	12.00	9.72	0.99	13.10	10.02	1.00	13.82	10.26	1.02
	90	10.24	9.29	0.84	10.96	9.88	0.99	11.67	10.24	1.03	12.00	9.72	1.05	13.10	10.02	1.07	13.82	10.26	1.09
	95	10.24	9.29	0.93	10.96	9.88	1.05	11.67	10.24	1.09	12.00	9.72	1.07	13.10	10.02	1.12	13.82	10.26	1.15
	100	10.24	8.49	0.97	10.96	9.08	1.07	11.67	9.45	1.10	12.00	9.14	1.09	13.10	9.32	1.12	13.82	9.56	1.15
	105	10.24	8.49	1.02	10.96	9.08	1.09	11.67	9.45	1.10	12.00	9.14	1.11	13.10	9.32	1.12	13.82	9.56	1.15
	110	10.24	8.49	1.04	10.96	9.08	1.12	11.67	9.45	1.12	12.00	9.14	1.13	13.10	9.32	1.15	13.82	9.56	1.17
	115	9.25	8.24	0.89	9.96	8.82	0.90	10.68	9.20	0.88	11.19	8.91	0.86	12.10	9.09	0.87	12.82	9.35	0.89
	118	8.74	7.85	0.79	9.42	8.42	0.78	10.11	8.78	0.74	10.60	8.51	0.72	11.48	8.70	0.72	12.16	8.95	0.74
	125	8.56	7.72	0.76	9.24	8.29	0.73	9.92	8.64	0.70	10.40	8.38	0.67	11.27	8.57	0.67	11.94	8.81	0.69

Heating Capacity Tables

Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (*F DB)		Indoor Air Temp. *F DB / *F WB											
	*F DB	*F WB	61		64		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
12K	-22	-24	5.03	1.05	4.95	1.08	4.84	1.11	4.70	1.15	4.63	1.17	4.57	1.19
	-13	-15	8.99	1.35	8.84	1.39	8.65	1.44	8.40	1.48	8.26	1.51	8.15	1.53
	-4	-6	9.63	1.44	9.48	1.49	9.27	1.54	9.00	1.59	8.85	1.61	8.59	1.64
	0	-2	10.27	1.54	10.11	1.58	9.88	1.64	9.60	1.69	9.44	1.72	9.16	1.74
	5	3	12.84	1.60	12.63	1.65	12.35	1.70	12.00	1.76	11.80	1.79	11.65	1.81
	10	8	12.84	1.52	12.63	1.57	12.35	1.62	12.00	1.67	11.80	1.70	11.65	1.72
	17	15	12.84	1.45	12.63	1.49	12.35	1.54	12.00	1.59	11.80	1.62	11.65	1.64
	20	18	12.84	1.37	12.63	1.41	12.35	1.46	12.00	1.50	11.80	1.53	11.65	1.55
	25	23	12.84	1.29	12.63	1.33	12.35	1.38	12.00	1.42	11.80	1.44	11.65	1.46
	30	28	12.84	1.22	12.63	1.25	12.35	1.29	12.00	1.33	11.80	1.36	11.65	1.38
	35	32	12.84	1.14	12.63	1.17	12.35	1.21	12.00	1.25	11.80	1.27	11.65	1.29
	40	36	12.84	1.06	12.63	1.10	12.35	1.13	12.00	1.17	11.80	1.19	11.65	1.20
	45	41	12.84	0.99	12.63	1.02	12.35	1.05	12.00	1.08	11.80	1.10	11.65	1.12
	47	43	12.84	0.91	12.63	0.94	12.35	0.97	12.00	1.00	11.80	1.02	11.65	1.03
	50	44	12.84	0.90	12.63	0.92	12.35	0.96	12.00	0.99	11.80	1.00	11.65	1.02
	55	48	12.84	0.88	12.63	0.91	12.35	0.94	12.00	0.97	11.80	0.99	11.65	1.00
	60	52	12.84	0.86	12.63	0.89	12.35	0.92	12.00	0.94	11.80	0.96	11.65	0.97
	63	54	12.84	0.85	12.63	0.88	12.35	0.91	12.00	0.94	11.80	0.95	11.65	0.97
	68	58	12.84	0.84	12.63	0.87	12.35	0.90	12.00	0.92	11.80	0.94	11.65	0.95
	75	64	12.84	0.83	12.63	0.85	12.35	0.88	12.00	0.91	11.80	0.93	11.65	0.94

Remarks:
TC: Total Cooling Capacity (Gross) (kBtu/h)
SHC: Sensible Heat Capacity (Gross)
PI: Power Input (including the compressor,
evap. fan motor & cond. fan motor) (kW)
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature

Wall Mount 18K BTU

Cooling Capacity Tables

Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB																	
		68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
18K	5	14.92	11.81	0.62	15.85	12.55	0.83	16.76	12.96	0.90	17.45	12.38	0.92	18.64	12.50	0.92	19.55	12.73	0.92
	10	14.92	11.81	0.63	15.85	12.55	0.85	16.76	12.96	0.92	17.45	12.38	0.94	18.64	12.50	0.94	19.55	12.73	0.94
	15	14.92	11.81	0.65	15.85	12.55	0.88	16.76	12.96	0.95	17.45	12.38	0.96	18.64	12.50	0.97	19.55	12.73	0.96
	20	14.92	11.81	0.66	15.85	12.55	0.90	16.76	12.96	0.98	17.45	12.38	0.99	18.64	12.50	0.99	19.55	12.73	0.99
	25	14.92	11.81	0.68	15.85	12.55	0.92	16.76	12.96	1.00	17.45	12.38	1.02	18.64	12.50	1.02	19.55	12.73	1.02
	30	14.92	11.81	0.70	15.85	12.55	0.95	16.76	12.96	1.02	17.45	12.38	1.04	18.64	12.50	1.05	19.55	12.73	1.04
	35	14.92	11.81	0.72	15.85	12.55	0.97	16.76	12.96	1.05	17.45	12.38	1.07	18.64	12.50	1.07	19.55	12.73	1.07
	40	14.92	11.81	0.73	15.85	12.55	0.99	16.76	12.96	1.08	17.45	12.38	1.09	18.64	12.50	1.09	19.55	12.73	1.09
	45	14.92	11.81	0.75	15.85	12.55	1.02	16.76	12.96	1.10	17.45	12.38	1.12	18.64	12.50	1.12	19.55	12.73	1.12
	50	14.92	11.81	0.77	15.85	12.55	1.04	16.76	12.96	1.12	17.45	12.38	1.15	18.64	12.50	1.15	19.55	12.73	1.15
	55	15.37	13.24	0.78	16.44	14.09	1.06	17.51	14.60	1.15	18.00	13.86	1.17	19.65	14.29	1.17	20.72	14.63	1.17
	60	15.37	13.24	0.80	16.44	14.09	1.08	17.51	14.60	1.18	18.00	13.86	1.19	19.65	14.29	1.20	20.72	14.63	1.19
	65	15.37	13.24	0.82	16.44	14.09	1.11	17.51	14.60	1.20	18.00	13.86	1.22	19.65	14.29	1.22	20.72	14.63	1.22
	70	15.37	13.24	0.84	16.44	14.09	1.13	17.51	14.60	1.23	18.00	13.86	1.25	19.65	14.29	1.25	20.72	14.63	1.25
	75	15.37	13.24	0.89	16.44	14.09	1.17	17.51	14.60	1.26	18.00	13.86	1.28	19.65	14.29	1.29	20.72	14.63	1.30
	80	15.37	13.24	0.95	16.44	14.09	1.21	17.51	14.60	1.29	18.00	13.86	1.31	19.65	14.29	1.34	20.72	14.63	1.35
	85	15.37	13.24	1.08	16.44	14.09	1.31	17.51	14.60	1.39	18.00	13.86	1.41	19.65	14.29	1.44	20.72	14.63	1.46
	90	15.37	13.24	1.20	16.44	14.09	1.41	17.51	14.60	1.48	18.00	13.86	1.51	19.65	14.29	1.54	20.72	14.63	1.56
	95	15.37	13.24	1.33	16.44	14.09	1.51	17.51	14.60	1.56	18.00	13.86	1.54	19.65	14.29	1.61	20.72	14.63	1.65
	100	15.37	12.11	1.40	16.44	12.95	1.54	17.51	13.47	1.58	18.00	13.03	1.56	19.65	13.29	1.61	20.72	13.64	1.65
	105	15.37	12.11	1.46	16.44	12.95	1.57	17.51	13.47	1.58	18.00	13.03	1.59	19.65	13.29	1.61	20.72	13.64	1.65
	110	15.37	12.11	1.49	16.44	12.95	1.60	17.51	13.47	1.61	18.00	13.03	1.63	19.65	13.29	1.65	20.72	13.64	1.68
	115	13.87	11.75	1.28	14.94	12.58	1.29	16.01	13.11	1.26	16.79	12.70	1.24	18.15	12.97	1.25	19.22	13.33	1.28
	118	13.10	11.19	1.13	14.13	12.01	1.12	15.16	12.53	1.06	15.90	12.13	1.04	17.21	12.41	1.04	18.24	12.76	1.06
	125	12.84	11.01	1.08	13.86	11.81	1.05	14.87	12.33	1.00	15.60	11.95	0.97	16.90	12.22	0.97	17.91	12.57	0.99

Heating Capacity Tables

Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp. (°F DB)		Indoor Air Temp. °F DB / °F WB											
	°F DB	°F WB	61		64		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
18K	-22	-24	7.55	1.57	7.43	1.62	7.26	1.67	7.06	1.73	6.94	1.76	6.85	1.78
	-13	-15	13.48	2.02	13.27	2.09	12.97	2.16	12.60	2.22	12.39	2.26	12.23	2.29
	-4	-6	14.45	2.17	14.21	2.23	13.90	2.31	13.50	2.38	13.28	2.42	12.89	2.45
	0	-2	15.41	2.31	15.16	2.38	14.82	2.46	14.40	2.53	14.16	2.58	13.75	2.61
	5	3	19.26	2.40	18.95	2.47	18.53	2.55	18.00	2.64	17.71	2.68	17.47	2.72
	10	8	19.26	2.28	18.95	2.35	18.53	2.43	18.00	2.51	17.71	2.55	17.47	2.59
	17	15	19.26	2.17	18.95	2.23	18.53	2.31	18.00	2.38	17.71	2.42	17.47	2.46
	20	18	19.26	2.05	18.95	2.12	18.53	2.19	18.00	2.26	17.71	2.29	17.47	2.33
	25	23	19.26	1.94	18.95	2.00	18.53	2.06	18.00	2.13	17.71	2.17	17.47	2.20
	30	28	19.26	1.82	18.95	1.88	18.53	1.94	18.00	2.00	17.71	2.04	17.47	2.07
	35	32	19.26	1.71	18.95	1.76	18.53	1.82	18.00	1.88	17.71	1.91	17.47	1.94
	40	36	19.26	1.59	18.95	1.64	18.53	1.70	18.00	1.75	17.71	1.78	17.47	1.81
	45	41	19.26	1.48	18.95	1.53	18.53	1.58	18.00	1.62	17.71	1.65	17.47	1.68
	47	43	19.26	1.37	18.95	1.41	18.53	1.45	18.00	1.50	17.71	1.53	17.47	1.55
	50	44	19.26	1.35	18.95	1.39	18.53	1.43	18.00	1.48	17.71	1.50	17.47	1.52
	55	48	19.26	1.32	18.95	1.36	18.53	1.41	18.00	1.45	17.71	1.48	17.47	1.50
	60	52	19.26	1.29	18.95	1.33	18.53	1.37	18.00	1.42	17.71	1.44	17.47	1.46
	63	54	19.26	1.28	18.95	1.32	18.53	1.36	18.00	1.41	17.71	1.43	17.47	1.45
	68	58	19.26	1.26	18.95	1.30	18.53	1.34	18.00	1.39	17.71	1.41	17.47	1.43
	75	64	19.26	1.24	18.95	1.28	18.53	1.32	18.00	1.37	17.71	1.39	17.47	1.41

Remarks:
 TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor,
 evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

Wall Mount 18K BTU

Cooling Capacity Tables

Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp.		Indoor Air Temp. °F DB / °F WB																	
	°F DB	°F WB	68 / 57			73 / 61			77 / 64			80 / 67			86 / 72			90 / 75		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
24K	5	19.90	14.52	0.87	21.13	15.43	1.18	22.34	15.94	1.28	23.27	15.22	1.30	24.86	15.37	1.30	26.07	15.65	1.30	
	10	19.90	14.52	0.89	21.13	15.43	1.21	22.34	15.94	1.31	23.27	15.22	1.33	24.86	15.37	1.33	26.07	15.65	1.33	
	15	19.90	14.52	0.92	21.13	15.43	1.24	22.34	15.94	1.35	23.27	15.22	1.36	24.86	15.37	1.37	26.07	15.65	1.36	
	20	19.90	14.52	0.94	21.13	15.43	1.28	22.34	15.94	1.38	23.27	15.22	1.41	24.86	15.37	1.41	26.07	15.65	1.41	
	25	19.90	14.52	0.97	21.13	15.43	1.31	22.34	15.94	1.42	23.27	15.22	1.44	24.86	15.37	1.44	26.07	15.65	1.44	
	30	19.90	14.52	0.99	21.13	15.43	1.34	22.34	15.94	1.45	23.27	15.22	1.47	24.86	15.37	1.48	26.07	15.65	1.47	
	35	19.90	14.52	1.01	21.13	15.43	1.37	22.34	15.94	1.49	23.27	15.22	1.52	24.86	15.37	1.52	26.07	15.65	1.52	
	40	19.90	14.52	1.04	21.13	15.43	1.41	22.34	15.94	1.53	23.27	15.22	1.55	24.86	15.37	1.55	26.07	15.65	1.55	
	45	19.90	14.52	1.07	21.13	15.43	1.44	22.34	15.94	1.56	23.27	15.22	1.58	24.86	15.37	1.59	26.07	15.65	1.58	
	50	19.90	14.52	1.09	21.13	15.43	1.47	22.34	15.94	1.59	23.27	15.22	1.62	24.86	15.37	1.62	26.07	15.65	1.62	
	55	20.49	16.28	1.11	21.92	17.33	1.50	23.35	17.95	1.64	24.00	17.04	1.66	26.20	17.57	1.66	27.63	17.98	1.66	
	60	20.49	16.28	1.13	21.92	17.33	1.54	23.35	17.95	1.67	24.00	17.04	1.69	26.20	17.57	1.70	27.63	17.98	1.69	
	65	20.49	16.28	1.17	21.92	17.33	1.57	23.35	17.95	1.70	24.00	17.04	1.73	26.20	17.57	1.73	27.63	17.98	1.73	
	70	20.49	16.28	1.19	21.92	17.33	1.60	23.35	17.95	1.74	24.00	17.04	1.77	26.20	17.57	1.77	27.63	17.98	1.77	
	75	20.49	16.28	1.26	21.92	17.33	1.66	23.35	17.95	1.79	24.00	17.04	1.82	26.20	17.57	1.83	27.63	17.98	1.84	
	80	20.49	16.28	1.34	21.92	17.33	1.71	23.35	17.95	1.83	24.00	17.04	1.86	26.20	17.57	1.90	27.63	17.98	1.92	
	85	20.49	16.28	1.53	21.92	17.33	1.85	23.35	17.95	1.97	24.00	17.04	2.01	26.20	17.57	2.04	27.63	17.98	2.07	
	90	20.49	16.28	1.70	21.92	17.33	2.01	23.35	17.95	2.10	24.00	17.04	2.14	26.20	17.57	2.18	27.63	17.98	2.21	
	95	20.49	16.28	1.89	21.92	17.33	2.14	23.35	17.95	2.21	24.00	17.04	2.18	26.20	17.57	2.29	27.63	17.98	2.33	
	100	20.49	14.88	1.98	21.92	15.92	2.18	23.35	16.56	2.24	24.00	16.02	2.21	26.20	16.33	2.29	27.63	16.77	2.33	
	105	20.49	14.88	2.07	21.92	15.92	2.22	23.35	16.56	2.25	24.00	16.02	2.26	26.20	16.33	2.29	27.63	16.77	2.33	
	110	20.49	14.88	2.12	21.92	15.92	2.27	23.35	16.56	2.29	24.00	16.02	2.30	26.20	16.33	2.34	27.63	16.77	2.38	
	115	18.49	14.44	1.81	19.92	15.47	1.83	21.35	16.12	1.79	22.38	15.61	1.76	24.20	15.94	1.77	25.63	16.39	1.81	
	118	17.47	13.76	1.60	18.84	14.76	1.58	20.21	15.40	1.50	21.20	14.92	1.47	22.95	15.26	1.47	24.32	15.69	1.50	
	125	17.12	13.53	1.54	18.48	14.53	1.49	19.83	15.15	1.42	20.80	14.69	1.37	22.53	15.02	1.37	23.88	15.45	1.41	

Heating Capacity Tables

Model No. / Nominal Capacity (Btu/h)	Outdoor Air Temp.		Indoor Air Temp. °F DB / °F WB											
	°F DB	°F WB	61		64		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
24K	-22	-24	10.07	2.24	9.90	2.31	9.69	2.39	9.41	2.47	9.25	2.51	9.13	2.54
	-13	-15	17.98	2.89	17.69	2.98	17.29	3.08	16.80	3.18	16.52	3.23	16.31	3.28
	-4	-6	19.26	3.09	18.95	3.19	18.53	3.29	18.00	3.40	17.71	3.46	17.18	3.50
	0	-2	20.54	3.30	20.21	3.40	19.77	3.51	19.20	3.62	18.89	3.68	18.33	3.73
	5	3	25.68	3.43	25.27	3.53	24.71	3.65	24.00	3.77	23.61	3.83	23.29	3.88
	10	8	25.68	3.26	25.27	3.36	24.71	3.47	24.00	3.58	23.61	3.64	23.29	3.69
	17	15	25.68	3.10	25.27	3.19	24.71	3.30	24.00	3.41	23.61	3.46	23.29	3.51
	20	18	25.68	2.93	25.27	3.02	24.71	3.12	24.00	3.22	23.61	3.28	23.29	3.32
	25	23	25.68	2.77	25.27	2.85	24.71	2.95	24.00	3.04	23.61	3.10	23.29	3.14
	30	28	25.68	2.61	25.27	2.69	24.71	2.77	24.00	2.86	23.61	2.91	23.29	2.95
	35	32	25.68	2.44	25.27	2.52	24.71	2.60	24.00	2.68	23.61	2.73	23.29	2.77
	40	36	25.68	2.28	25.27	2.35	24.71	2.43	24.00	2.51	23.61	2.55	23.29	2.58
	45	41	25.68	2.11	25.27	2.18	24.71	2.25	24.00	2.32	23.61	2.36	23.29	2.40
	47	43	25.68	1.95	25.27	2.01	24.71	2.08	24.00	2.14	23.61	2.18	23.29	2.21
	50	44	25.68	1.92	25.27	1.98	24.71	2.05	24.00	2.11	23.61	2.15	23.29	2.18
	55	48	25.68	1.89	25.27	1.95	24.71	2.01	24.00	2.08	23.61	2.11	23.29	2.14
	60	52	25.68	1.84	25.27	1.90	24.71	1.96	24.00	2.02	23.61	2.06	23.29	2.09
	63	54	25.68	1.83	25.27	1.89	24.71	1.95	24.00	2.01	23.61	2.04	23.29	2.07
	68	58	25.68	1.80	25.27	1.86	24.71	1.92	24.00	1.98	23.61	2.01	23.29	2.04
	75	64	25.68	1.78	25.27	1.83	24.71	1.89	24.00	1.95	23.61	1.98	23.29	2.01

Remarks:
 TC: Total Cooling Capacity (Gross) (kBtu/h)
 SHC: Sensible Heat Capacity (Gross)
 PI: Power Input (including the compressor,
 evap. fan motor & cond. fan motor) (kW)
 DB: Dry Bulb Temperature
 WB: Wet Bulb Temperature

5. CAPACITY TABLES

5.2 Piping Length Correction Factor

The correction factor is based on the equivalent piping length in meters (EL) and the height between outdoor and indoor units in meters (H).

H:

Height difference between indoor unit and outdoor unit (m).

- $H > 0$: Position of outdoor unit is higher than that of the indoor unit (m).
- $H < 0$: Position of outdoor unit is lower than that of the indoor unit (m).

L:

Actual one-way piping length between indoor unit and outdoor unit (m).

EL:

Equivalent one-way piping length between indoor unit and outdoor unit (m).

Equivalent length of 90° Elbow

Gas Diameter (mm/inch)	9.52 (3/8')	12.7 (1/2')	15.88 (5/8')	19.05 (3/4')
EL of 90° Elbow(m)	0.15	0.20	0.25	0.35

Cooling

EL[ft(m)] Model	25 (7.6)	38 (10)	50 (15)	66 (20)	82 (25)	100 (30)	115 (35)	131 (40)	148 (45)	164 (50)	180 (55)	200 (60)	213 (65)	230 (70)	246 (75)
9K/12K	1.00	0.98	0.93	0.89	0.84	0.79	0.75	0.70	--	--	--	--	--	--	--
18K	1.00	0.96	0.94	0.91	0.89	0.85	0.83	0.80	0.76	--	--	--	--	--	--
24K	1.00	0.98	0.96	0.94	0.92	0.89	0.86	0.83	0.79	0.75	--	--	--	--	--
36K	1.00	0.98	0.95	0.91	0.88	0.84	0.81	0.77	0.73	0.70	--	--	--	--	--

Heating

EL[ft(m)] Model	25 (7.6)	38 (10)	50 (15)	66 (20)	82 (25)	100 (30)	115 (35)	131 (40)	148 (45)	164 (50)	180 (55)	200 (60)	213 (65)	230 (70)	246 (75)
9K/12K	1.00	0.99	0.97	0.94	0.92	0.90	0.87	0.85	--	--	--	--	--	--	--
18K	1.00	0.96	0.94	0.91	0.89	0.85	0.83	0.80	0.76	--	--	--	--	--	--
24K	1.00	0.98	0.96	0.94	0.92	0.89	0.86	0.83	0.79	0.73	--	--	--	--	--
36K	1.00	0.99	0.87	0.94	0.92	0.89	0.87	0.85	0.82	0.80	--	--	--	--	--

To ensure correct unit selection, consider the farthest indoor unit.

NOTE:

1. Above data is assuming that the height difference between indoor unit and outdoor unit is 0m.
2. Be sure to minimize length of connection pipes to optimize performance. If the outdoor unit is installed higher or lower than the indoor unit, it is necessary to apply height correction factor additionally to length correction factor to calculate cooling.

If outdoor unit is higher, correction should be applied to cooling capacity, if outdoor unit is lower, correction should be applied to heating capacity.

5. CAPACITY TABLES

The correction factor of height difference between indoor unit and outdoor unit

Height difference	16ft(5m)	33ft(10m)	108ft(30m)
Factor	0.01	0.02	0.025

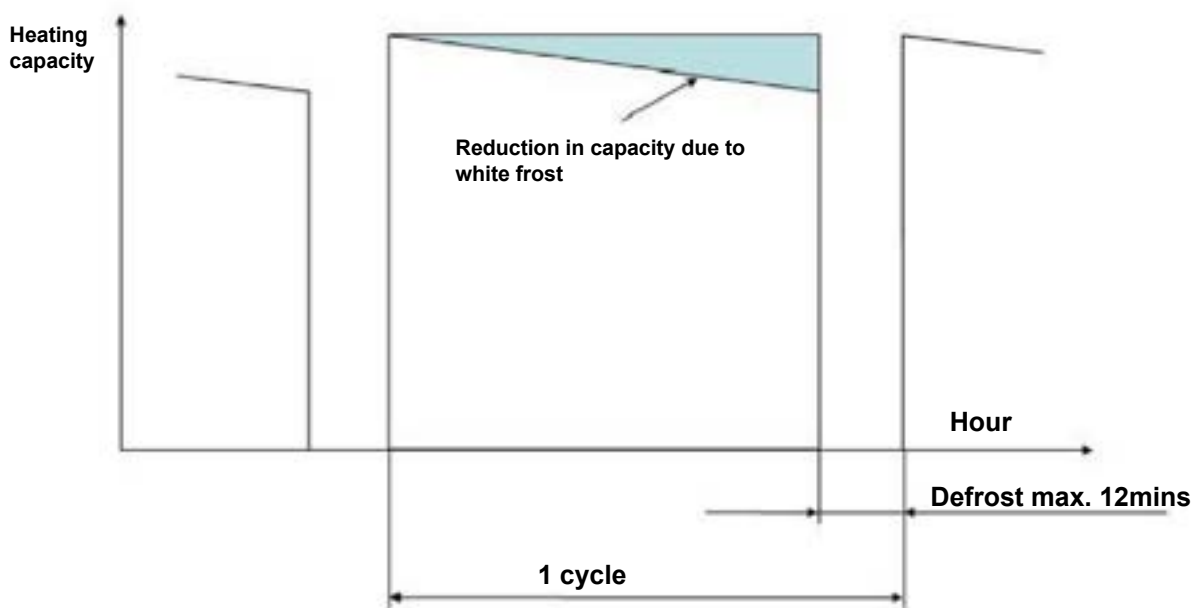
5.3 Correction Factors According To Defrosting Operation

The heating capacity in the preceding paragraph, excludes the condition of defrosting operation period. In consideration of defrosting operation, the heating capacity is corrected by the equation below.

Corrected heating capacity = Defrost Correction factor x unit capacity

Outdoor Temperature [°F (°C)DB]	-13 (-25)	-4 (-20)	5 (-15)	14 (-10)	23 (-5)	32 (0)	44.6 (7)	50 (10)	59 (15)
9K/12K/36K	0.97	0.96	0.95	0.95	0.95	0.85	1.0	1.0	1.0

Correction Factor



NOTE:

The correction factor is not valid for special conditions such as snowfall or operation in a transitional period.