

Bosch BOVB 18 Split System Heat Pump

Condensing Units Up to 18.5 SEER

2-3-4-5 Ton Capacity

R410A



BOSCH

Product Specifications



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1 Product Features

1.1 Standard Features

- ▶ R-410A Chlorine-Free Refrigerant
- ▶ Inverter Compressor (26%-110% Speed), Modulation in 1% Increments
- ▶ Intelligent Oil Return Technology
- ▶ Inverter Driven Rotary Compressor
- ▶ Crankcase Heater Standard
- ▶ Compressor Sound Blanket
- ▶ Multiple System Protection:
 - High pressure switch and low pressure transducer
 - Compressor liquid return protection
 - Compressor high or low compression ratio protection
 - Compressor high temperature protection
 - High / low voltage protection and over current protection
 - IPM and electronic control board high temperature protection
- ▶ Outdoor coil is capable of withstanding 1000 hour salt spray test according to ASTM B117 standard
- ▶ AHRI certified; ETL listed

1.2 Cabinet Features

- ▶ Unique fan-blade design
- ▶ Baked-on powder paint finish
- ▶ Wire fan discharge grille
- ▶ Steel louver coil guard

2 Nomenclature

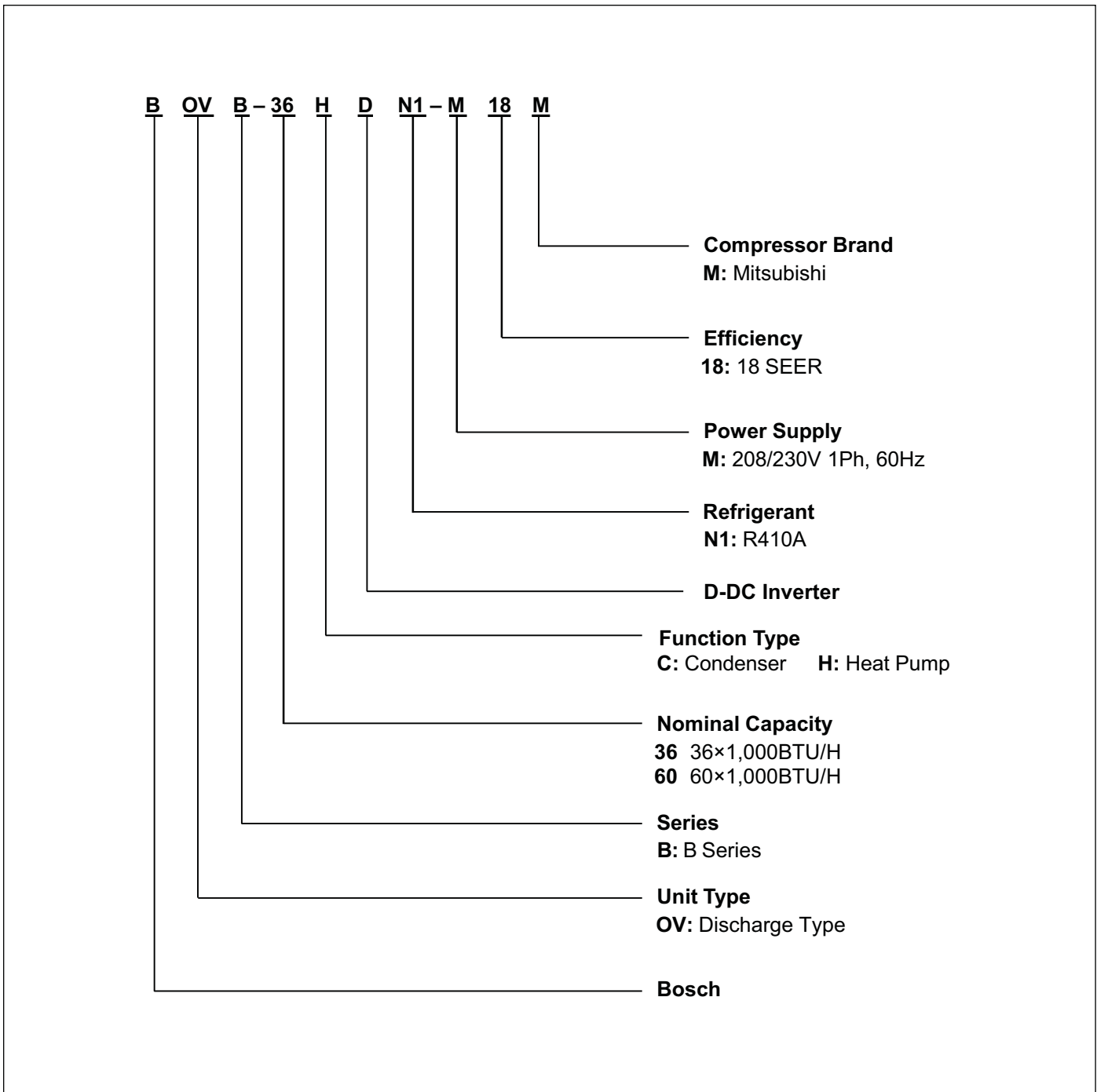


Figure 1

3 Product Specifications

	BOVB36-18	BOVB60-18
Decibels([dB(A)])		
Max @ 100% load	77	79
Min @ min load	56	60
Compressor		
RLA	19	29
LRA	45	58.1
Condenser Fan Motor		
Horsepower (HP)	1/6	1/3
FLA	1.0	2.5
Refrigeration System		
Refrigerant Line Size ¹		
Liquid Line Size (OD)	3/8"	3/8"
Suction Line Size (OD)	3/4"	7/8"
Refrigerant Connection Size		
Liquid Valve Size (OD)	3/8"	3/8"
Suction Valve Size (OD)	3/4"	7/8"
Refrigerant Charge (R410-A, oz)	121	170
Expansion Device	EEV	EEV
Maximum Line Length	100 FT	100 FT
Maximum Elevation Difference	50 FT	50 FT
Operating Range		
Cooling	40°F-125°F	
Heating	5°F-86°F	
Electrical Data		
Voltage-Phase-Hz	208/230-1-60	208/230-1-60
Minimum Circuit Ampacity ²	24.8	38.8
Max. Overcurrent Protection ³	40	60
Min/Max Volts	172V/270V	
Weight		
Net Weight (without packaging)	159	196
Gross Weight (including packaging) ⁴	190	227
Dimensions		
Unit L x W x H (in.)	29-1/8 x 29-1/8 x 24-15/16	29-1/8 x 29-1/8 x 33-3/16
Outdoor Coil		
Net face area - sq.ft. Outer Coil	13.6	18.4
Tube diameter-in.	9/32" (7mm)	9/32" (7mm)
No.of rows	2	2
Fins per inch	17	19

Table 1

¹ Tested and rated in accordance with AHRI Standard 210/240.

² Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.

³ Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

⁴ Weight values are estimated.



- Always check the rating plate for electrical data on the unit being installed.
- Unit is factory charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- TXV is required at indoor unit to match our outdoor unit.

4 Extended Performance Data

4.1 BOVB 18 + BVA 15

		BOVB36-18 + BVA24-15 For Cooling																	
Indoor Airflow (CFM)	Outdoor DB (°F)	IWB (°F)	59				63				67				71				
		IDB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85	
630	65	TC	17.6	17.8	18.3	18.5	18.1	18.4	18.6	18.9	19.3	19.6	19.8	20.1	/	25.6	25.8	26.2	
		S/T	0.91	0.96	0.99	1.00	0.65	0.85	0.96	0.97	0.40	0.58	0.75	0.93	/	0.39	0.54	0.70	
		kW	1.04	1.04	1.05	1.05	1.05	1.06	1.07	1.08	1.07	1.08	1.09	1.10	/	1.34	1.35	1.37	
	75	TC	17.7	18.0	18.4	18.6	18.3	18.6	18.8	19.1	19.5	19.8	20.0	20.3	/	25.2	25.5	25.8	
		S/T	0.91	0.96	0.99	1.00	0.65	0.85	0.96	0.97	0.40	0.58	0.75	0.93	/	0.39	0.54	0.70	
		kW	1.20	1.21	1.22	1.22	1.22	1.23	1.24	1.25	1.25	1.26	1.27	1.28	/	1.60	1.62	1.64	
	85	TC	17.7	18.0	18.4	18.6	18.3	18.6	18.8	19.1	19.5	19.8	20.0	20.3	/	25.2	25.4	25.8	
		S/T	0.91	0.96	0.99	1.00	0.65	0.85	0.96	0.97	0.40	0.58	0.75	0.93	/	0.39	0.54	0.70	
		kW	1.40	1.41	1.43	1.43	1.43	1.44	1.45	1.46	1.46	1.47	1.48	1.49	/	1.77	1.78	1.80	
	95	TC	17.6	17.9	18.3	18.5	18.2	18.5	18.7	19.0	19.4	19.8	20.0	20.3	/	25.1	25.3	25.6	
		S/T	0.91	0.96	0.99	1.00	0.65	0.85	0.96	0.97	0.40	0.58	0.75	0.93	/	0.39	0.54	0.70	
		kW	1.65	1.67	1.68	1.68	1.68	1.70	1.71	1.72	1.73	1.74	1.75	1.77	/	2.11	2.12	2.14	
	105	TC	17.5	17.8	18.2	18.4	18.1	18.4	18.6	18.9	19.4	19.7	19.9	20.2	/	24.8	25.1	25.4	
		S/T	0.92	0.97	1.00	1.00	0.66	0.86	0.97	0.98	0.41	0.59	0.76	0.94	/	0.40	0.55	0.71	
		kW	1.93	1.94	1.96	1.96	1.95	1.97	1.99	2.00	2.01	2.02	2.04	2.05	/	2.46	2.48	2.50	
	115	TC	17.2	17.5	17.9	18.1	17.8	18.1	18.3	18.6	19.1	19.4	19.5	19.8	/	24.6	24.8	25.2	
		S/T	0.94	0.99	1.00	1.00	0.68	0.88	0.99	1.00	0.43	0.61	0.78	0.96	/	0.42	0.57	0.73	
		kW	2.20	2.22	2.24	2.24	2.24	2.26	2.28	2.30	2.30	2.32	2.34	2.36	/	2.87	2.89	2.91	
	850	65	TC	21.8	22.1	22.6	22.9	22.5	22.8	23.0	23.3	24.1	24.3	24.5	24.8	/	30.50	30.8	31.0
			S/T	0.93	0.98	1.00	1.00	0.68	0.88	0.99	1.00	0.43	0.61	0.77	0.95	/	0.41	0.55	0.71
			kW	1.28	1.29	1.30	1.30	1.30	1.31	1.33	1.34	1.33	1.35	1.36	1.37	/	1.74	1.76	1.78
		75	TC	21.5	21.9	22.4	22.6	22.3	22.5	22.8	23.0	23.9	24.2	24.3	24.3	/	30.50	30.8	31.0
			S/T	0.93	0.98	1.00	1.00	0.68	0.88	0.99	1.00	0.43	0.61	0.77	0.96	/	0.41	0.55	0.71
			kW	1.48	1.50	1.51	1.51	1.51	1.52	1.54	1.55	1.56	1.57	1.58	1.58	/	1.93	1.95	1.97
85		TC	21.4	21.7	22.2	22.5	22.1	22.5	22.7	23.0	23.9	24.0	24.2	24.3	/	30.2	30.5	30.6	
		S/T	0.93	0.98	1.00	1.00	0.68	0.89	0.99	1.00	0.43	0.61	0.77	0.96	/	0.41	0.55	0.71	
		kW	1.64	1.66	1.67	1.67	1.67	1.69	1.70	1.72	1.74	1.74	1.74	1.76	/	2.11	2.13	2.15	
95		TC	21.2	21.6	22.1	22.2	22.0	22.3	22.5	22.9	23.5	23.7	24.0	24.2	/	30.0	30.2	30.3	
		S/T	0.93	0.98	1.00	1.00	0.68	0.89	0.99	1.00	0.43	0.61	0.77	0.96	/	0.41	0.55	0.71	
		kW	1.87	1.89	1.91	1.91	1.91	1.93	1.94	1.96	1.98	1.99	1.99	2.00	/	2.52	2.53	2.54	
105		TC	19.9	20.2	20.5	20.8	21.7	22.0	22.3	22.6	23.0	23.2	23.4	23.7	/	27.9	28.1	28.2	
		S/T	0.94	0.99	1.00	1.00	0.69	0.90	1.00	1.00	0.44	0.62	0.78	0.97	/	0.42	0.56	0.72	
		kW	2.19	2.21	2.23	2.23	2.23	2.25	2.27	2.29	2.30	2.32	2.33	2.35	/	2.83	2.85	2.88	
115		TC	19.6	19.9	20.2	20.5	21.4	21.7	22.0	22.3	22.7	22.9	23.1	23.4	/	27.6	27.8	27.9	
		S/T	0.96	1.00	1.00	1.00	0.71	0.92	1.00	1.00	0.46	0.64	0.80	0.99	/	0.44	0.58	0.74	
		kW	2.51	2.53	2.54	2.56	2.56	2.58	2.63	2.65	2.67	2.69	2.71	2.73	/	3.23	3.24	3.25	
1020		65	TC	25.2	25.5	26.1	26.4	26.1	26.4	26.7	27.0	27.9	28.1	28.4	28.7	/	35.3	35.6	35.8
			S/T	0.95	0.99	1.00	1.00	0.69	0.89	1.00	1.00	0.44	0.62	0.79	0.97	/	0.42	0.55	0.71
			kW	1.56	1.57	1.59	1.59	1.59	1.60	1.62	1.63	1.63	1.64	1.66	1.67	/	2.13	2.16	2.18
		75	TC	25.1	25.4	26.0	26.3	26.0	26.3	26.6	26.9	27.8	28.1	28.3	28.6	/	34.6	34.9	35.2
			S/T	0.95	0.99	1.00	1.00	0.69	0.89	1.00	1.00	0.44	0.62	0.79	0.98	/	0.42	0.55	0.71
			kW	1.79	1.80	1.82	1.82	1.82	1.84	1.85	1.87	1.87	1.89	1.91	1.92	/	2.30	2.33	2.35
	85	TC	24.8	25.1	25.7	26.0	25.7	26.0	26.3	26.6	27.5	27.9	28.1	28.3	/	34.0	34.3	34.6	
		S/T	0.95	0.99	1.00	1.00	0.69	0.90	1.00	1.00	0.44	0.62	0.80	0.98	/	0.42	0.55	0.71	
		kW	1.94	1.96	1.98	1.98	1.98	1.99	2.01	2.03	2.04	2.06	2.07	2.08	/	2.54	2.56	2.59	
	95	TC	24.5	24.8	25.4	25.7	25.4	25.7	26.0	26.2	27.2	27.4	27.7	27.9	/	32.7	32.8	32.9	
		S/T	0.95	0.99	1.00	1.00	0.69	0.90	1.00	1.00	0.44	0.62	0.80	0.98	/	0.42	0.56	0.73	
		kW	2.26	2.28	2.30	2.30	2.30	2.32	2.35	2.37	2.38	2.39	2.41	2.43	/	2.91	2.92	2.93	
	105	TC	24.0	24.3	24.9	25.2	24.9	25.2	25.4	25.7	26.7	26.9	27.1	27.4	/	30.7	30.9	31.0	
		S/T	0.96	1.00	1.00	1.00	0.70	0.91	1.00	1.00	0.45	0.63	0.82	1.00	/	0.43	0.57	0.75	
		kW	2.62	2.65	2.67	2.67	2.67	2.70	2.73	2.75	2.76	2.78	2.80	2.82	/	3.16	3.16	3.16	
	115	TC	23.4	23.7	24.3	24.5	24.3	24.5	24.8	25.1	25.7	25.9	26.2	26.4	/	28.2	28.3	28.5	
		S/T	0.97	1.00	1.00	1.00	0.72	0.93	1.00	1.00	0.47	0.65	0.84	1.00	/	0.46	0.60	0.78	
		kW	2.98	3.01	3.04	3.04	3.04	3.07	3.10	3.13	3.14	3.16	3.20	3.22	/	3.26	3.26	3.27	

Table 2

TC refer to total capacity S/T: refer to the ratio of sensible heat and total capacity kW: refer to total input power

BOVB36-18 +BVA36-15 For Cooling																		
Indoor Airflow (CFM)	Outdoor DB (°F)	IWB (°F)	59				63				67				71			
		IDB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
970	65	TC	29.4	29.7	30.3	30.7	30.6	30.9	31.2	31.5	32.6	32.9	33.3	33.5	/	36.8	37.1	37.4
		S/T	0.90	0.95	0.98	1.00	0.63	0.86	0.95	1.00	0.39	0.57	0.76	0.97	/	0.39	0.54	0.70
		kW	1.90	1.92	1.93	1.93	1.93	1.95	1.96	1.98	1.98	1.99	2.01	2.03	/	2.40	2.42	2.45
	75	TC	29.3	29.7	30.3	30.6	30.4	30.7	31.1	31.4	32.5	32.8	33.2	33.3	/	36.4	36.7	37.0
		S/T	0.90	0.95	0.98	1.00	0.63	0.86	0.95	1.00	0.39	0.57	0.76	0.97	/	0.39	0.54	0.70
		kW	2.29	2.31	2.33	2.34	2.33	2.35	2.37	2.38	2.38	2.40	2.42	2.44	/	2.57	2.58	2.59
	85	TC	29.0	29.3	29.9	30.3	30.1	30.5	30.8	31.1	32.3	32.6	33.0	33.1	/	36.3	36.6	36.8
		S/T	0.90	0.95	0.98	1.00	0.63	0.86	0.95	1.00	0.39	0.57	0.76	0.97	/	0.39	0.54	0.70
		kW	2.41	2.43	2.45	2.45	2.45	2.47	2.49	2.51	2.51	2.53	2.55	2.57	/	2.83	2.86	2.88
	95	TC	28.5	28.8	29.4	29.8	29.6	30.0	30.3	30.6	31.8	32.1	32.4	32.6	/	36.0	36.3	36.5
		S/T	0.90	0.95	0.98	1.00	0.63	0.86	0.95	1.00	0.39	0.57	0.76	0.97	/	0.39	0.54	0.70
		kW	2.70	2.72	2.75	2.76	2.75	2.77	2.80	2.82	2.84	2.85	2.87	2.90	/	3.34	3.35	3.36
	105	TC	27.3	27.8	28.5	28.8	28.3	28.6	29.0	29.4	30.1	30.5	30.9	31.3	/	34.9	35.0	35.2
		S/T	0.91	0.96	0.99	1.00	0.64	0.87	0.96	1.00	0.40	0.58	0.77	0.98	/	0.40	0.55	0.71
		kW	3.15	3.17	3.19	3.21	3.37	3.38	3.40	3.42	3.59	3.61	3.62	3.63	/	3.83	3.84	3.85
	115	TC	22.2	22.6	23.0	23.3	24.8	25.2	25.5	25.7	26.5	26.9	27.1	27.4	/	27.7	28.0	28.2
		S/T	0.92	0.97	1.00	1.00	0.65	0.88	0.97	1.00	0.41	0.59	0.78	0.99	/	0.41	0.56	0.72
		kW	2.81	2.83	2.85	2.87	3.03	3.04	3.06	3.08	3.25	3.27	3.28	3.29	/	3.39	3.41	3.43
1210	65	TC	31.2	31.7	32.5	32.8	32.3	32.7	33.1	33.5	34.6	34.6	34.9	35.2	/	41.10	41.4	41.7
		S/T	0.90	0.96	0.99	1.00	0.64	0.87	0.96	1.00	0.39	0.58	0.77	0.98	/	0.39	0.55	0.71
		kW	2.12	2.14	2.16	2.17	2.16	2.18	2.20	2.22	2.27	2.30	2.32	2.34	/	2.67	2.68	2.71
	75	TC	31.2	31.7	32.3	32.6	32.3	32.7	33.1	33.5	34.4	34.6	34.6	34.9	/	40.80	41.1	41.4
		S/T	0.91	0.96	0.99	1.00	0.64	0.87	0.96	1.00	0.39	0.58	0.77	0.98	/	0.39	0.55	0.71
		kW	2.37	2.39	2.41	2.42	2.41	2.43	2.45	2.47	2.48	2.49	2.52	2.54	/	2.81	2.83	2.84
	85	TC	30.7	31.1	31.9	32.2	31.9	32.2	32.5	32.9	34.1	34.2	34.3	34.8	/	39.7	40.0	40.3
		S/T	0.91	0.96	0.99	1.00	0.64	0.87	0.96	1.00	0.39	0.58	0.77	0.98	/	0.39	0.55	0.71
		kW	2.49	2.51	2.54	2.55	2.54	2.57	2.58	2.61	2.72	2.74	2.76	2.78	/	3.17	3.17	3.19
	95	TC	30.3	30.8	31.6	31.9	31.8	32.1	32.4	32.8	33.6	33.8	33.9	34.3	/	38.9	39.1	39.3
		S/T	0.91	0.96	0.99	1.00	0.64	0.87	0.96	1.00	0.39	0.58	0.77	0.98	/	0.39	0.55	0.71
		kW	2.90	2.93	2.96	2.97	2.96	2.99	3.01	3.04	3.16	3.18	3.21	3.22	/	3.67	3.68	3.69
	105	TC	28.8	29.2	29.6	29.9	30.8	31.1	31.4	31.8	32.8	33.2	33.4	33.7	/	36.3	36.6	36.8
		S/T	0.92	0.97	1.00	1.00	0.64	0.88	0.96	1.00	0.40	0.60	0.78	0.99	/	0.40	0.56	0.72
		kW	3.28	3.31	3.32	3.34	3.41	3.45	3.48	3.51	3.63	3.65	3.68	3.70	/	3.93	3.94	3.95
	115	TC	23.0	23.4	23.7	24.0	25.3	25.7	26.0	26.3	27.2	27.6	27.9	28.2	/	28.8	29.0	29.1
		S/T	0.93	0.98	1.00	1.00	0.65	0.90	0.98	1.00	0.41	0.64	0.80	1.00	/	0.41	0.57	0.76
		kW	2.91	2.93	2.95	2.97	3.09	3.11	3.13	3.14	3.35	3.37	3.38	3.39	/	3.49	3.50	3.51
1350	65	TC	32.8	33.3	34.1	34.5	33.9	34.4	34.8	35.3	36.2	36.7	37.1	37.5	/	43.5	43.8	44.1
		S/T	0.93	0.98	1.00	1.00	0.66	0.89	0.98	1.00	0.41	0.60	0.79	1.00	/	0.41	0.57	0.73
		kW	2.41	2.43	2.45	2.46	2.45	2.48	2.50	2.52	2.53	2.55	2.57	2.59	/	2.98	3.00	3.03
	75	TC	32.7	33.1	33.9	34.2	33.9	34.2	34.6	35.0	36.1	36.6	36.9	37.2	/	43.1	43.3	43.4
		S/T	0.93	0.98	1.00	1.00	0.66	0.89	0.98	1.00	0.41	0.60	0.79	1.00	/	0.41	0.57	0.73
		kW	2.47	2.49	2.52	2.53	2.52	2.53	2.55	2.58	2.59	2.61	2.63	2.66	/	3.25	3.26	3.27
	85	TC	32.2	32.7	33.5	33.9	33.3	33.8	34.1	34.6	35.6	36.0	36.4	36.8	/	42.0	42.4	42.8
		S/T	0.93	0.98	1.00	1.00	0.66	0.89	0.98	1.00	0.41	0.60	0.79	1.00	/	0.41	0.57	0.73
		kW	2.75	2.77	2.80	2.81	2.80	2.83	2.85	2.88	2.90	2.92	2.93	2.95	/	3.46	3.48	3.51
	95	TC	31.4	31.8	32.6	33.0	32.4	32.9	33.3	33.7	34.7	35.1	35.4	35.9	/	39.9	40.3	40.5
		S/T	0.93	0.98	1.00	1.00	0.66	0.89	0.98	1.00	0.41	0.60	0.79	1.00	/	0.41	0.57	0.73
		kW	3.18	3.21	3.24	3.25	3.24	3.27	3.30	3.33	3.36	3.38	3.39	3.41	/	3.86	3.87	3.88
	105	TC	28.9	29.6	30.0	30.3	31.8	32.2	32.5	32.7	33.5	33.9	34.1	34.4	/	36.4	36.9	36.7
		S/T	0.93	0.98	1.00	1.00	0.66	0.90	0.98	1.00	0.41	0.61	0.80	1.00	/	0.41	0.59	0.76
		kW	3.37	3.39	3.41	3.43	3.59	3.60	3.62	3.64	3.81	3.83	3.84	3.85	/	4.24	4.26	4.28
	115	TC	23.1	23.6	24.0	24.3	25.8	26.2	26.5	26.7	27.5	27.9	28.1	28.4	/	29.0	29.1	29.2
		S/T	0.95	1.00	1.00	1.00	0.68	0.92	1.00	1.00	0.43	0.66	0.89	1.00	/	0.43	0.65	0.84
		kW	2.93	2.95	2.97	2.99	3.11	3.13	3.17	3.20	3.37	3.39	3.40	3.41	/	3.51	3.53	3.54

Table 3

TC refer to total capacity S/T: refer to the ratio of sensible heat and total capacity kW: refer to total input power

		BOVB60-18 + BVA48-15 For Cooling																
Indoor Airflow (CFM)	Outdoor DB (°F)	IWB (°F)	59				63				67				71			
		IDB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
1330	65	TC	39.9	40.3	41.3	41.8	41.1	41.6	42.3	42.7	44.4	44.6	45.0	45.4	/	52.8	53.2	53.7
		S/T	0.82	0.94	0.95	0.98	0.60	0.78	0.93	0.95	0.40	0.57	0.73	0.90	/	0.39	0.55	0.67
		kW	2.53	2.55	2.57	2.58	2.57	2.59	2.61	2.63	2.68	2.69	2.70	2.73	/	3.24	3.27	3.30
	75	TC	40.1	40.5	41.5	42.0	41.3	41.8	42.5	43.0	44.2	44.7	45.1	45.6	/	52.5	52.9	53.3
		S/T	0.82	0.94	0.95	0.98	0.60	0.78	0.93	0.95	0.40	0.57	0.73	0.90	/	0.39	0.55	0.67
		kW	2.89	2.91	2.94	2.95	2.94	2.96	2.98	3.00	3.02	3.05	3.07	3.10	/	3.66	3.69	3.72
	85	TC	39.5	40.0	41.0	41.4	40.8	41.2	41.9	42.4	43.6	44.1	44.5	45.0	/	51.6	52.0	52.4
		S/T	0.82	0.94	0.95	0.98	0.60	0.78	0.93	0.95	0.40	0.57	0.73	0.90	/	0.39	0.55	0.67
		kW	3.23	3.26	3.28	3.29	3.28	3.31	3.34	3.35	3.39	3.41	3.43	3.46	/	4.02	4.05	4.08
	95	TC	39.0	39.5	40.5	40.9	40.3	40.7	41.4	41.9	43.1	43.6	43.9	44.4	/	50.0	50.4	50.8
		S/T	0.82	0.94	0.95	0.98	0.60	0.78	0.93	0.95	0.40	0.57	0.73	0.90	/	0.39	0.55	0.67
		kW	3.72	3.75	3.78	3.79	3.78	3.81	3.84	3.86	3.90	3.93	3.96	3.98	/	4.63	4.66	4.69
	105	TC	38.6	38.8	39.1	39.5	39.8	40.2	40.8	41.3	42.7	43.1	43.5	43.8	/	48.4	48.8	49.1
		S/T	0.83	0.95	0.97	1.00	0.61	0.79	0.94	0.97	0.41	0.58	0.74	0.91	/	0.39	0.55	0.67
		kW	4.33	4.34	4.38	4.38	4.38	4.42	4.47	4.49	4.50	4.53	4.57	4.59	/	5.02	5.05	5.07
	115	TC	35.4	35.9	36.7	37.1	37.0	37.3	37.6	38.0	39.7	40.0	40.2	40.1	/	42.8	43.0	43.2
		S/T	0.85	0.97	0.99	1.00	0.63	0.81	0.96	0.99	0.43	0.60	0.76	0.93	/	0.41	0.57	0.69
		kW	4.52	4.56	4.60	4.62	4.65	4.68	4.72	4.75	4.78	4.81	4.84	4.86	/	5.04	5.06	5.08
1530	65	TC	42.6	43.1	44.1	44.6	43.9	44.4	45.1	45.7	46.9	47.5	47.9	48.5	/	54.10	54.5	55.0
		S/T	0.85	0.97	0.98	0.99	0.63	0.81	0.96	0.98	0.43	0.60	0.76	0.93	/	0.39	0.55	0.68
		kW	2.79	2.82	2.84	2.85	2.84	2.86	2.89	2.91	2.95	2.98	3.01	3.04	/	3.45	3.48	3.51
	75	TC	42.8	43.3	44.3	44.8	44.1	44.6	45.3	45.9	47.2	47.7	48.1	48.6	/	53.70	54.1	54.5
		S/T	0.85	0.97	0.98	0.99	0.63	0.81	0.96	0.98	0.43	0.60	0.76	0.93	/	0.39	0.55	0.68
		kW	3.13	3.16	3.19	3.20	3.19	3.21	3.24	3.26	3.31	3.34	3.37	3.39	/	3.84	3.86	3.89
	85	TC	42.1	42.6	43.7	44.2	43.5	44.0	44.6	45.2	46.5	47.1	47.4	47.9	/	52.6	53.1	53.5
		S/T	0.85	0.97	0.98	0.99	0.63	0.81	0.96	0.98	0.43	0.60	0.76	0.93	/	0.39	0.55	0.68
		kW	3.46	3.49	3.52	3.53	3.52	3.55	3.57	3.59	3.66	3.69	3.71	3.74	/	4.30	4.33	4.35
	95	TC	41.6	42.1	43.2	43.6	43.0	43.4	44.1	44.7	45.9	46.4	47.0	47.3	/	51.4	51.8	52.2
		S/T	0.85	0.97	0.98	0.99	0.63	0.81	0.96	0.98	0.43	0.60	0.76	0.93	/	0.39	0.55	0.68
		kW	3.80	3.83	3.87	3.87	3.87	3.90	3.94	3.97	4.02	4.04	4.05	4.08	/	4.74	4.78	4.81
	105	TC	39.8	40.1	40.6	40.9	41.2	41.7	42.1	42.6	44.1	44.6	44.9	45.3	/	49.4	49.7	50.0
		S/T	0.85	0.97	0.98	1.00	0.63	0.81	0.96	0.98	0.43	0.60	0.76	0.93	/	0.40	0.56	0.70
		kW	4.40	4.41	4.44	4.45	4.49	4.53	4.56	4.59	4.60	4.64	4.67	4.70	/	5.07	5.09	5.11
	115	TC	36.1	36.7	37.2	37.8	38.2	38.8	39.4	40.1	40.7	41.2	41.6	42.1	/	43.3	43.5	43.7
		S/T	0.89	0.99	1.00	1.00	0.66	0.85	0.98	1.00	0.47	0.64	0.80	0.97	/	0.44	0.60	0.74
		kW	4.61	4.65	4.67	4.69	4.70	4.74	4.81	4.85	4.93	4.96	4.98	5.01	/	5.04	5.06	5.07
1760	65	TC	44.9	45.4	46.4	46.9	46.4	46.9	47.4	47.9	49.8	50.1	50.5	51.2	/	54.9	55.3	56.3
		S/T	0.87	0.99	1.00	1.00	0.65	0.83	0.98	1.00	0.45	0.62	0.78	0.95	/	0.41	0.57	0.71
		kW	3.14	3.17	3.20	3.21	3.20	3.22	3.25	3.28	3.30	3.33	3.35	3.37	/	3.83	3.86	3.84
	75	TC	45.1	45.6	46.6	47.1	46.6	47.1	47.6	48.2	49.7	50.1	50.7	51.1	/	54.8	55.2	55.6
		S/T	0.87	0.99	1.00	1.00	0.65	0.83	0.98	1.00	0.45	0.62	0.78	0.95	/	0.41	0.57	0.71
		kW	3.34	3.37	3.40	3.41	3.40	3.43	3.46	3.47	3.53	3.56	3.59	3.60	/	4.08	4.10	4.13
	85	TC	44.4	44.9	46.0	46.5	45.8	46.3	47.0	47.6	49.0	49.6	49.9	50.4	/	53.3	53.7	54.1
		S/T	0.87	0.99	1.00	1.00	0.65	0.83	0.98	1.00	0.45	0.62	0.78	0.95	/	0.41	0.57	0.71
		kW	3.77	3.80	3.83	3.84	3.83	3.86	3.89	3.92	3.96	3.99	4.01	4.04	/	4.46	4.50	4.53
	95	TC	43.5	44.0	45.1	45.6	44.9	45.4	46.1	46.7	48.1	48.6	49.0	49.5	/	52.3	52.7	53.1
		S/T	0.87	0.99	1.00	1.00	0.65	0.83	0.98	1.00	0.45	0.62	0.78	0.95	/	0.41	0.57	0.71
		kW	4.30	4.34	4.38	4.39	4.38	4.41	4.45	4.48	4.53	4.56	4.57	4.60	/	5.15	5.19	5.22
	105	TC	40.4	40.9	41.3	41.7	42.0	42.4	42.9	43.4	45.0	45.3	45.6	46.0	/	50.4	50.6	50.8
		S/T	0.88	1.00	1.00	1.00	0.66	0.84	0.99	1.00	0.46	0.63	0.79	0.96	/	0.42	0.58	0.72
		kW	4.49	4.51	4.53	4.55	4.58	4.62	4.67	4.69	4.70	4.72	4.75	4.78	/	5.15	5.17	5.20
	115	TC	37.1	37.5	37.9	38.4	39.0	39.6	40.2	40.9	41.5	42.0	42.4	42.9	/	43.9	44.4	44.6
		S/T	0.91	1.00	1.00	1.00	0.69	0.88	1.00	1.00	0.50	0.67	0.83	1.00	/	0.46	0.62	0.76
		kW	4.71	4.76	4.78	4.79	4.80	4.85	4.90	4.94	5.00	5.02	5.03	5.05	/	5.10	5.12	5.13

Table 4

TC refer to total capacity S/T: refer to the ratio of sensible heat and total capacity kW: refer to total input power

		BOVB60-18 + BVA60-15 For Cooling																
Indoor Airflow (CFM)	Outdoor DB (°F)	IWB (°F)	59				63				67				71			
		IDB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
1650	65	TC	47.5	48.0	48.9	49.4	50.0	50.5	51.1	51.6	53.2	53.6	54.2	54.4	/	59.9	60.4	60.8
		S/T	0.84	0.95	0.98	1.00	0.63	0.82	0.97	0.98	0.43	0.61	0.77	0.91	/	0.39	0.57	0.72
		kW	3.60	3.62	3.65	3.65	3.75	3.78	3.81	3.83	3.83	3.86	3.89	3.92	/	4.03	4.07	4.10
	75	TC	46.9	47.5	48.5	49.0	49.8	50.4	50.9	51.4	53.0	53.5	54.0	54.2	/	59.3	59.7	60.1
		S/T	0.84	0.95	0.98	1.00	0.63	0.82	0.97	0.98	0.43	0.61	0.77	0.91	/	0.39	0.57	0.72
		kW	3.90	3.93	3.97	3.97	3.96	3.99	4.02	4.05	4.07	4.09	4.11	4.13	/	4.33	4.36	4.40
	85	TC	46.6	47.1	48.0	48.5	49.2	49.7	50.2	50.7	52.1	52.7	53.5	53.7	/	58.3	58.8	59.2
		S/T	0.84	0.95	0.98	1.00	0.63	0.82	0.97	0.98	0.43	0.61	0.77	0.91	/	0.39	0.57	0.72
		kW	4.34	4.36	4.38	4.40	4.40	4.44	4.47	4.50	4.57	4.60	4.62	4.65	/	4.84	4.88	4.90
	95	TC	45.4	46.1	47.0	47.7	48.7	49.3	49.8	50.3	51.7	52.3	53.2	53.6	/	56.8	57.2	57.6
		S/T	0.84	0.95	0.98	1.00	0.63	0.82	0.97	0.98	0.43	0.61	0.77	0.91	/	0.39	0.57	0.72
		kW	4.71	4.75	4.80	4.80	4.81	4.83	4.84	4.86	4.95	4.97	4.99	5.01	/	5.31	5.34	5.37
	105	TC	43.4	43.9	44.9	45.4	45.3	45.9	46.5	47.0	47.8	48.1	48.5	48.8	/	52.7	52.9	52.9
		S/T	0.86	0.96	0.99	1.00	0.65	0.84	0.98	0.99	0.45	0.62	0.78	0.93	/	0.40	0.59	0.74
		kW	5.01	5.06	5.10	5.10	5.10	5.15	5.20	5.24	5.26	5.30	5.34	5.37	/	5.81	5.83	5.83
	115	TC	37.2	37.6	38.4	38.9	38.7	39.2	39.6	40.0	41.1	41.6	42.0	42.3	/	43.1	43.4	43.6
		S/T	0.87	0.97	1.00	1.00	0.66	0.86	0.99	1.00	0.46	0.63	0.80	0.98	/	0.42	0.61	0.76
		kW	4.95	5.00	5.04	5.06	5.14	5.16	5.20	5.25	5.38	5.40	5.42	5.42	/	5.46	5.47	5.49
1800	65	TC	49.4	50.2	51.3	51.9	52.6	53.2	53.8	54.3	55.3	55.5	55.9	56.3	/	61.50	61.8	62.1
		S/T	0.85	0.96	0.99	1.00	0.64	0.83	0.98	0.99	0.44	0.62	0.78	0.92	/	0.41	0.59	0.74
		kW	3.71	3.74	3.76	3.77	3.78	3.81	3.84	3.87	3.92	3.95	3.98	4.01	/	4.35	4.38	4.42
	75	TC	49.2	49.7	50.9	51.4	52.4	52.9	53.5	54.1	55.1	55.3	55.7	56.1	/	60.90	61.3	61.6
		S/T	0.85	0.96	0.99	1.00	0.64	0.83	0.98	0.99	0.44	0.62	0.78	0.92	/	0.41	0.59	0.74
		kW	3.99	4.02	4.07	4.07	4.06	4.09	4.12	4.16	4.18	4.21	4.22	4.25	/	4.48	4.52	4.53
	85	TC	49.0	49.6	50.7	51.2	52.3	52.8	53.4	54.0	54.9	55.3	55.6	56.1	/	60.3	60.7	61.0
		S/T	0.85	0.96	0.99	1.00	0.64	0.83	0.98	0.99	0.44	0.62	0.78	0.92	/	0.41	0.59	0.74
		kW	4.48	4.50	4.53	4.55	4.65	4.69	4.73	4.76	4.78	4.80	4.84	4.87	/	5.00	5.04	5.07
	95	TC	48.6	49.2	50.0	50.9	52.2	52.8	53.3	53.8	54.9	55.3	55.5	56.0	/	59.4	59.8	60.1
		S/T	0.85	0.96	0.99	1.00	0.64	0.83	0.98	0.99	0.44	0.62	0.78	0.92	/	0.41	0.59	0.74
		kW	4.88	4.93	4.97	5.00	4.97	5.02	5.06	5.10	5.22	5.26	5.28	5.31	/	5.59	5.63	5.66
	105	TC	44.2	44.7	45.8	46.3	47.9	48.4	48.9	49.5	51.4	51.8	52.1	52.4	/	54.1	54.4	54.7
		S/T	0.87	0.97	1.00	1.00	0.66	0.85	0.99	1.00	0.46	0.63	0.79	0.94	/	0.42	0.61	0.76
		kW	5.27	5.32	5.38	5.38	5.48	5.53	5.58	5.63	5.66	5.70	5.73	5.76	/	5.92	5.93	5.94
	115	TC	38.6	39.0	39.9	40.3	39.9	40.3	40.8	41.3	43.0	43.3	43.5	43.8	/	44.9	45.0	45.2
		S/T	0.88	0.98	1.00	1.00	0.67	0.87	1.00	1.00	0.47	0.64	0.81	0.99	/	0.44	0.63	0.78
		kW	5.03	5.07	5.09	5.12	5.17	5.22	5.26	5.31	5.42	5.44	5.46	5.47	/	5.59	5.60	5.61
1950	65	TC	51.8	52.4	53.1	53.9	54.0	54.5	55.1	55.7	57.2	57.5	57.9	58.3	/	63.7	64.1	64.5
		S/T	0.86	0.97	1.00	1.00	0.65	0.84	0.99	1.00	0.45	0.63	0.79	0.93	/	0.42	0.60	0.75
		kW	3.93	3.96	3.99	3.99	3.99	4.03	4.06	4.10	4.10	4.13	4.16	4.20	/	4.61	4.64	4.67
	75	TC	51.3	52.1	53.0	53.6	53.7	54.3	54.9	55.5	57.3	57.7	58.1	58.5	/	63.2	63.6	64.1
		S/T	0.86	0.97	1.00	1.00	0.65	0.84	0.99	1.00	0.45	0.63	0.79	0.93	/	0.42	0.60	0.75
		kW	4.22	4.26	4.30	4.30	4.29	4.33	4.36	4.40	4.43	4.45	4.47	4.50	/	4.85	4.88	4.91
	85	TC	50.5	51.1	52.1	52.7	52.9	53.4	54.0	54.6	56.2	56.6	57.0	57.6	/	62.2	62.6	62.9
		S/T	0.86	0.97	1.00	1.00	0.65	0.84	0.99	1.00	0.45	0.63	0.79	0.93	/	0.42	0.60	0.75
		kW	4.68	4.72	4.76	4.76	4.78	4.80	4.84	4.88	4.90	4.93	4.96	4.99	/	5.30	5.33	5.36
	95	TC	49.5	50.0	51.2	51.7	52.7	53.2	53.8	54.4	56.0	56.4	56.7	57.0	/	60.8	61.2	61.5
		S/T	0.86	0.97	1.00	1.00	0.65	0.84	0.99	1.00	0.45	0.63	0.79	0.93	/	0.42	0.60	0.75
		kW	4.96	5.01	5.04	5.06	5.02	5.07	5.12	5.16	5.28	5.31	5.34	5.37	/	5.66	5.69	5.73
	105	TC	45.6	46.1	47.2	47.7	50.1	50.6	51.2	51.7	53.8	54.1	54.4	54.8	/	55.3	55.5	55.8
		S/T	0.88	0.97	1.00	1.00	0.67	0.86	1.00	1.00	0.47	0.64	0.80	0.95	/	0.43	0.62	0.77
		kW	5.41	5.46	5.50	5.52	5.63	5.68	5.74	5.79	5.83	5.86	5.90	5.93	/	5.96	5.97	5.99
	115	TC	39.5	39.9	40.5	41.0	40.5	41.0	41.4	41.9	43.6	44.0	44.2	44.4	/	45.7	45.9	46.0
		S/T	0.89	0.98	1.00	1.00	0.68	0.88	1.00	1.00	0.48	0.65	0.82	1.00	/	0.45	0.64	0.79
		kW	5.17	5.20	5.23	5.25	5.29	5.36	5.41	5.46	5.53	5.54	5.56	5.57	/	5.67	5.68	5.70

Table 5

TC refer to total capacity S/T: refer to the ratio of sensible heat and total capacity kW: refer to total input power

BOVB36-18 + BVA24-15 For Heating																		
Airflow (CFM)	ID (°F)	OD (°F)	86	72	67	62	57	52	47	42	37	32	27	22	17	12	7	5
630	60	TC	27.0	26.8	26.5	26.2	26.0	25.7	25.5	26.5	26.5	25.2	25.0	23.5	23.0	22.4	21.4	20.4
		kW	1.95	2.06	2.06	2.19	2.35	2.36	2.51	2.57	2.68	2.62	2.82	2.74	2.66	2.79	2.72	2.65
	70	TC	19.9	19.9	19.9	19.8	19.8	19.7	19.6	19.5	19.4	19.4	19.1	19.0	18.5	17.8	17.1	16.7
		kW	1.39	1.54	1.56	1.70	1.71	1.80	1.82	1.84	1.91	2.16	2.28	2.43	2.60	2.88	2.89	2.81
	75	TC	16.3	16.3	16.3	16.2	16.2	16.2	16.1	16.1	16.0	16.0	16.0	15.9	16.0	15.8	15.8	15.7
		kW	1.36	1.38	1.44	1.52	1.57	1.65	1.70	1.79	1.81	2.03	2.11	2.25	2.36	2.43	2.60	2.75
	80	TC	12.9	12.9	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
		kW	1.25	1.28	1.29	1.35	1.38	1.49	1.58	1.67	1.78	1.94	2.03	2.16	2.30	2.41	2.55	2.50
850	60	TC	31.6	31.6	31.1	31.1	31.1	30.8	30.8	29.3	27.8	26.6	26.5	24.8	24.4	23.1	22.3	21.2
		kW	2.14	2.39	2.41	2.55	2.61	2.73	2.74	2.78	2.78	2.72	2.78	2.80	2.84	2.72	2.66	2.60
	70	TC	24.2	24.2	24.2	24.1	24.1	24.0	24.0	23.8	23.8	23.6	23.6	22.8	21.7	21.3	20.5	19.6
		kW	1.49	1.63	1.72	1.82	1.93	2.01	2.09	2.12	2.27	2.44	2.65	2.75	2.74	2.85	2.78	2.71
	75	TC	19.9	19.9	19.8	19.8	19.7	19.7	19.7	19.6	19.6	19.6	19.6	19.6	19.5	19.5	19.0	17.4
		kW	1.44	1.53	1.60	1.69	1.75	1.89	1.96	2.02	2.14	2.24	2.38	2.50	2.65	2.79	2.88	2.85
	80	TC	15.8	15.8	15.7	15.7	15.7	15.7	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
		kW	1.35	1.40	1.42	1.49	1.52	1.61	1.66	1.84	1.86	1.94	2.00	2.13	2.39	2.49	2.54	2.68
1020	60	TC	36.3	36.3	36.2	36.1	35.3	33.1	31.3	30.1	28.4	27.5	27.0	25.5	26.1	24.7	23.7	22.7
		kW	2.36	2.56	2.61	2.75	2.78	2.81	2.76	2.75	2.69	2.71	2.79	2.89	2.98	2.93	2.87	2.83
	70	TC	28.4	28.4	28.4	28.1	28.1	28.0	27.8	27.5	27.2	26.4	26.0	24.5	24.2	23.5	22.5	21.5
		kW	1.85	1.95	2.08	2.20	2.30	2.36	2.40	2.57	2.71	2.70	2.99	2.93	2.86	2.90	2.84	2.78
	75	TC	23.8	23.8	23.7	23.7	23.5	23.5	23.2	23.1	23.1	23.0	23.0	23.0	22.4	20.7	19.6	17.9
		kW	1.78	1.80	1.90	2.01	2.07	2.22	2.26	2.39	2.53	2.65	2.84	3.02	3.12	3.00	2.93	2.87
	80	TC	18.9	18.8	18.8	18.7	18.6	18.6	18.6	18.6	18.5	18.5	18.4	18.4	18.3	18.3	18.3	17.7
		kW	1.59	1.64	1.67	1.75	1.81	1.85	1.85	2.15	2.22	2.31	2.40	2.51	2.78	2.95	2.89	2.86

Table 6

TC refer to total capacity kW: refer to total input power

BOVB36-18 + BVA36-15 For Heating																		
Airflow (CFM)	ID (°F)	OD (°F)	86	72	67	62	57	52	47	42	37	32	27	22	17	12	7	5
970	60	TC	39.7	39.4	38.9	38.8	38.8	38.7	37.2	34.5	32.5	31.0	29.7	28.1	26.8	25.0	23.7	21.5
		kW	2.49	2.68	2.83	3.03	3.24	3.46	3.48	3.37	3.32	3.24	3.32	3.24	3.20	3.22	3.15	3.07
	70	TC	31.2	31.2	31.2	31.1	31.0	30.7	30.6	30.4	30.4	29.9	28.7	26.6	24.6	23.9	23.0	22.2
		kW	2.00	2.28	2.37	2.54	2.62	2.72	2.86	2.90	3.13	3.34	3.62	3.57	3.43	3.33	3.25	3.16
	75	TC	25.8	25.8	25.7	25.7	25.7	25.7	25.7	25.0	24.8	24.8	24.3	24.2	23.9	23.3	21.4	20.2
		kW	1.76	2.06	2.16	2.19	2.22	2.36	2.41	2.44	2.64	2.80	3.04	3.25	3.46	3.36	3.32	3.23
	80	TC	21.5	21.5	21.4	21.4	21.4	21.3	21.3	21.2	21.2	21.2	21.0	21.0	21.0	21.0	21.0	19.9
		kW	1.46	1.58	1.65	1.75	1.86	1.96	2.04	2.16	2.35	2.47	2.60	2.77	2.96	3.06	3.31	3.30
1210	60	TC	44.9	44.7	44.4	44.2	43.0	40.6	38.4	35.8	33.7	32.4	31.4	29.3	28.2	26.3	24.5	22.9
		kW	2.97	3.48	3.53	3.75	3.73	3.65	3.62	3.43	3.34	3.28	3.34	3.26	3.29	3.22	3.15	3.08
	70	TC	35.4	35.4	35.2	35.1	35.1	35.1	35.0	34.6	33.0	31.1	29.8	27.8	25.7	25.5	23.8	22.7
		kW	2.30	2.53	2.61	2.73	2.81	2.91	2.96	3.30	3.35	3.36	3.53	3.50	3.26	3.33	3.25	3.17
	75	TC	29.4	29.4	29.3	29.2	29.3	29.2	28.9	28.6	28.4	28.4	27.9	26.9	24.8	24.1	22.2	20.6
		kW	1.93	2.28	2.38	2.40	2.49	2.58	2.64	2.76	2.98	3.17	3.45	3.53	3.44	3.35	3.26	3.18
	80	TC	24.6	24.6	24.5	24.5	24.5	24.5	24.4	24.3	24.1	24.1	24.0	24.0	23.9	23.9	22.3	20.3
		kW	1.51	1.70	1.78	1.90	2.01	2.13	2.26	2.45	2.57	2.72	2.92	3.12	3.32	3.46	3.39	3.29
1350	60	TC	48.7	48.6	47.8	45.0	43.4	41.3	39.1	36.8	34.2	32.9	31.9	30.0	28.9	26.8	24.9	23.3
		kW	3.18	3.73	3.80	3.88	3.86	3.64	3.52	3.43	3.36	3.30	3.36	3.49	3.43	3.37	3.30	3.24
	70	TC	38.8	38.8	38.7	38.4	38.4	38.3	37.9	35.5	33.6	31.5	30.7	29.0	28.0	26.5	24.5	23.0
		kW	2.49	2.76	2.85	3.05	3.18	3.39	3.50	3.45	3.43	3.36	3.60	3.67	3.64	3.57	3.40	3.32
	75	TC	33.0	32.9	32.8	32.8	32.5	32.4	32.4	32.2	31.8	30.1	29.5	27.8	26.1	24.5	22.6	21.1
		kW	2.17	2.54	2.65	2.73	2.74	2.90	3.00	3.15	3.39	3.34	3.64	3.65	3.57	3.39	3.31	3.23
	80	TC	27.5	27.4	27.3	27.3	27.3	27.2	27.2	26.8	26.4	26.2	25.7	25.5	25.3	24.1	22.5	20.8
		kW	1.72	1.93	2.02	2.15	2.26	2.42	2.57	2.61	2.81	3.07	3.31	3.52	3.60	3.51	3.43	3.34

Table 7

TC refer to total capacity kW: refer to total input power

BOVB60-18 + BVA48-15 For Heating																		
Airflow (CFM)	ID (°F)	OD (°F)	86	72	67	62	57	52	47	42	37	32	27	22	17	12	7	5
1310	60	TC	55.9	55.6	55.5	55.4	55.4	55.1	55.0	52.4	48.8	45.7	42.9	41.3	39.5	38.1	36.7	34.8
		kW	3.38	3.61	3.81	4.07	4.34	4.62	4.76	4.89	4.94	4.98	5.08	5.06	5.16	4.94	4.87	4.79
	70	TC	44.2	44.0	44.0	43.9	43.7	43.6	43.6	43.2	42.4	42.1	41.7	40.1	38.2	37.1	35.3	33.9
		kW	2.80	2.94	3.07	3.27	3.46	3.67	3.77	4.21	4.40	4.69	4.89	5.00	5.05	4.98	4.90	4.81
	75	TC	37.4	37.2	37.1	37.0	37.0	36.7	36.5	36.3	35.8	35.5	35.2	34.8	34.2	33.8	33.3	31.5
		kW	2.59	2.65	2.74	2.88	3.05	3.20	3.24	3.65	3.81	4.02	4.30	4.57	4.88	4.92	4.80	4.71
	80	TC	30.4	30.2	29.9	29.6	29.4	29.1	29.1	29.0	28.7	28.3	28.2	27.8	27.5	27.1	27.0	26.5
		kW	2.41	2.58	2.67	2.77	2.92	3.03	3.18	3.34	3.57	3.72	3.95	4.16	4.58	4.74	4.46	4.29
1510	60	TC	59.3	59.3	58.8	58.6	58.5	57.8	57.6	53.2	49.4	46.1	43.8	42.4	40.5	39.1	37.6	35.7
		kW	3.49	4.17	4.39	4.66	4.97	5.21	4.95	4.78	4.86	4.95	5.04	5.33	5.43	5.31	5.24	5.06
	70	TC	48.7	48.6	48.5	48.3	48.2	48.0	48.0	47.7	46.7	45.2	43.1	41.6	39.2	38.5	36.8	35.2
		kW	3.03	3.21	3.33	3.58	3.77	3.90	3.98	4.46	4.85	4.84	5.00	5.17	5.18	5.25	5.21	5.13
	75	TC	41.6	41.6	41.5	41.5	41.4	41.3	41.3	40.1	39.6	39.2	39.0	38.6	37.5	36.9	36.3	34.3
		kW	2.77	2.88	2.99	3.14	3.31	3.48	3.64	4.02	4.14	4.37	4.72	5.03	5.36	5.41	5.26	5.17
	80	TC	33.5	33.5	33.2	33.2	33.0	33.0	32.9	32.6	32.3	32.1	32.0	31.9	31.8	31.6	31.3	30.3
		kW	2.52	2.73	2.82	2.94	3.09	3.23	3.39	3.62	3.83	4.02	4.28	4.50	4.95	5.16	5.03	4.98
1760	60	TC	63.2	63.0	62.8	62.8	62.6	61.3	58.5	54.6	50.4	46.6	44.2	42.8	41.0	39.6	37.7	35.8
		kW	4.14	4.45	4.50	4.63	4.75	4.84	4.79	4.85	4.92	5.02	5.11	5.15	5.20	5.08	5.00	4.93
	70	TC	52.4	52.4	52.3	52.1	52.1	52.1	52.0	50.9	47.6	44.9	43.2	42.5	40.2	39.0	37.4	35.5
		kW	3.29	3.52	3.73	3.96	4.27	4.52	4.70	4.74	4.88	4.87	4.98	5.30	5.40	5.27	5.19	5.10
	75	TC	45.4	45.4	45.4	45.3	45.3	45.2	45.1	44.1	43.5	42.7	42.5	40.0	38.0	37.4	36.7	34.7
		kW	3.00	3.24	3.28	3.47	3.67	3.88	4.01	4.47	4.67	4.90	5.30	5.53	5.43	5.48	5.34	5.24
	80	TC	36.4	36.1	35.8	36.5	35.8	35.7	35.4	35.2	35.2	34.9	34.6	34.3	33.8	32.6	32.1	30.9
		kW	2.77	2.82	2.91	3.04	3.21	3.36	3.49	3.80	3.94	4.00	4.11	4.38	4.67	5.09	5.05	5.02

Table 8

TC refer to total capacity kW: refer to total input power

BOVB60-18 + BVA60-15 For Heating																		
Airflow (CFM)	ID (°F)	OD (°F)	86	72	67	62	57	52	47	42	37	32	27	22	17	12	7	5
1650	60	TC	64.0	64.0	63.7	63.5	63.1	62.6	62.1	59.3	56.3	53.0	49.7	47.4	44.3	42.8	40.1	38.2
		kW	3.62	4.30	4.60	4.83	5.20	5.27	5.28	5.28	5.22	5.12	5.55	5.59	5.43	5.27	5.11	5.00
	70	TC	52.8	52.7	52.7	52.5	52.6	52.9	53.0	52.5	51.7	51.3	48.9	45.5	42.3	41.0	40.0	38.0
		kW	2.89	3.40	3.58	3.81	4.06	4.20	4.43	4.83	5.09	5.11	5.25	5.39	5.44	5.34	5.26	5.15
	75	TC	43.8	43.8	43.8	43.7	43.7	43.7	43.6	43.5	43.2	42.6	42.6	42.5	41.6	39.6	37.9	36.8
		kW	2.41	2.82	2.94	3.10	3.28	3.48	3.74	4.02	4.26	4.47	4.84	5.16	5.50	5.55	5.36	5.21
	80	TC	34.9	34.9	34.9	34.9	34.8	34.8	34.8	34.6	34.6	34.6	34.6	34.3	34.1	34.1	34.1	34.1
		kW	2.28	2.48	2.58	2.70	2.86	2.99	3.16	3.34	3.58	3.75	4.01	4.18	4.45	4.65	4.62	4.57
1800	60	TC	68.6	68.3	68.2	67.7	67.5	66.6	64.8	61.5	58.1	54.4	51.4	47.8	44.8	43.3	41.7	39.2
		kW	3.74	4.37	4.62	4.98	5.21	5.25	5.18	5.18	5.14	5.00	5.50	5.62	5.62	5.48	5.40	5.21
	70	TC	57.2	57.1	56.9	56.8	56.6	56.4	56.2	55.4	54.6	52.7	49.6	46.3	42.6	41.3	40.3	38.4
		kW	2.93	3.52	3.73	4.03	4.30	4.42	4.63	4.86	5.07	5.14	5.34	5.43	5.38	5.43	5.35	5.24
	75	TC	48.4	48.4	48.4	48.3	48.2	48.2	48.1	47.5	47.1	46.5	44.8	44.6	41.9	40.1	38.4	37.4
		kW	2.65	3.10	3.25	3.44	3.66	3.90	4.15	4.29	4.39	4.56	4.98	5.37	5.62	5.62	5.40	5.24
	80	TC	38.8	38.8	38.7	38.6	38.5	38.5	38.4	38.2	38.1	37.9	37.6	37.8	37.7	37.5	36.4	35.8
		kW	2.43	2.62	2.73	2.87	3.13	3.28	3.46	3.71	3.99	4.16	4.34	4.51	4.80	4.98	4.89	4.79
1950	60	TC	74.2	73.7	73.7	73.2	71.7	68.2	66.2	63.0	58.4	54.6	54.0	52.4	49.1	46.1	42.2	40.2
		kW	3.91	4.70	4.96	5.33	5.29	5.20	5.19	5.14	5.01	4.90	5.49	5.55	5.59	5.45	5.31	5.17
	70	TC	58.2	58.1	57.8	57.7	57.5	57.4	57.4	57.1	56.4	54.3	51.3	47.6	44.4	42.3	41.2	40.0
		kW	3.08	3.73	3.94	4.21	4.57	4.55	4.89	5.38	5.27	5.14	5.29	5.43	5.48	5.38	5.30	5.19
	75	TC	51.3	51.1	50.6	50.4	50.1	49.9	49.8	49.3	48.8	47.4	45.8	45.2	42.8	41.2	38.9	37.9
		kW	3.23	3.52	3.74	3.83	4.11	4.25	4.36	4.43	4.73	5.07	5.57	5.80	5.95	6.00	5.72	5.69
	80	TC	41.7	41.7	41.6	41.6	41.4	41.2	41.0	40.6	40.0	39.8	39.3	39.6	40.3	38.8	38.3	37.0
		kW	2.83	2.96	3.07	3.37	3.39	3.61	3.67	3.97	4.14	4.22	4.54	4.84	5.03	5.33	5.60	5.51

Table 9

TC refer to total capacity kW: refer to total input power

4.2 BOVB 18 + BVA 2.0

BOVB36-18 + BVA 2.0 24 For Cooling																			
Indoor Airflow (CFM)	Outdoor DB (°F)	IWB (°F)	59				63				67				71				
			IDB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
620	65	TC	17.7	18.0	18.5	18.7	18.4	18.6	18.8	19.1	19.6	19.8	20.1	20.3	/	25.7	25.9	26.2	
		S/T	0.90	0.95	0.99	1.00	0.64	0.84	0.95	0.96	0.39	0.57	0.74	0.92	/	0.38	0.53	0.69	
		KW	0.90	0.91	0.92	0.92	0.92	0.93	0.94	0.95	0.94	0.95	0.96	0.97	/	1.21	1.22	1.24	
	75	TC	17.9	18.2	18.6	18.8	18.5	18.8	19.0	19.4	19.8	20.1	20.3	20.5	/	25.3	25.6	25.8	
		S/T	0.90	0.95	0.99	1.00	0.64	0.84	0.95	0.96	0.39	0.57	0.74	0.92	/	0.38	0.53	0.69	
		KW	1.07	1.08	1.09	1.09	1.09	1.10	1.11	1.12	1.12	1.13	1.14	1.15	/	1.47	1.49	1.50	
	85	TC	17.9	18.2	18.6	18.8	18.5	18.8	19.0	19.3	19.7	20.0	20.2	20.4	/	25.3	25.5	25.8	
		S/T	0.90	0.95	0.99	1.00	0.64	0.84	0.95	0.96	0.39	0.57	0.74	0.92	/	0.38	0.53	0.69	
		KW	1.27	1.28	1.29	1.29	1.29	1.31	1.32	1.33	1.33	1.34	1.35	1.36	/	1.64	1.66	1.67	
	95	TC	17.8	18.1	18.6	18.8	18.5	18.8	19.0	19.3	19.7	20.0	20.2	20.4	/	25.2	25.4	25.7	
		S/T	0.90	0.95	0.99	1.00	0.64	0.84	0.95	0.96	0.39	0.57	0.74	0.92	/	0.38	0.53	0.69	
		KW	1.53	1.54	1.56	1.56	1.56	1.57	1.59	1.60	1.61	1.62	1.63	1.64	/	1.96	1.98	2.00	
105	TC	17.8	18.0	18.5	18.7	18.4	18.7	18.9	19.2	19.6	19.9	20.1	20.3	/	24.8	25.0	25.2		
	S/T	0.91	0.96	1.00	1.00	0.65	0.85	0.96	0.96	0.40	0.58	0.75	0.93	/	0.39	0.54	0.70		
	KW	1.79	1.81	1.83	1.83	1.84	1.84	1.86	1.88	1.88	1.90	1.91	1.93	/	2.31	2.33	2.35		
115	TC	17.5	17.8	18.2	18.4	18.1	18.4	18.6	18.9	19.3	19.6	19.8	20.0	/	24.6	24.8	25.0		
	S/T	0.93	0.98	1.00	1.00	0.67	0.87	0.98	0.97	0.42	0.60	0.77	0.95	/	0.41	0.56	0.72		
	KW	2.07	2.09	2.11	2.11	2.11	2.13	2.15	2.17	2.17	2.19	2.21	2.23	/	2.71	2.73	2.75		
660 (Low Stage)	65	TC	18.1	18.3	18.8	19.0	18.6	18.9	19.1	19.4	19.8	20.1	20.3	20.6	/	26.1	26.3	26.7	
		S/T	0.91	0.96	0.99	1.00	0.65	0.85	0.96	0.97	0.40	0.58	0.75	0.93	/	0.39	0.54	0.70	
		KW	0.92	0.92	0.93	0.93	0.93	0.94	0.95	0.96	0.95	0.96	0.97	0.98	/	1.22	1.23	1.25	
	75	TC	18.2	18.5	18.9	19.1	18.8	19.1	19.3	19.6	20.0	20.3	20.5	20.8	/	25.7	26.0	26.3	
		S/T	0.91	0.96	0.99	1.00	0.65	0.85	0.96	0.97	0.40	0.58	0.75	0.93	/	0.39	0.54	0.70	
		KW	1.08	1.09	1.10	1.10	1.10	1.11	1.12	1.13	1.13	1.14	1.15	1.16	/	1.48	1.50	1.52	
	85	TC	18.2	18.5	18.9	19.1	18.8	19.1	19.3	19.6	20.0	20.3	20.5	20.8	/	25.7	25.9	26.3	
		S/T	0.91	0.96	0.99	1.00	0.65	0.85	0.96	0.97	0.40	0.58	0.75	0.93	/	0.39	0.54	0.70	
		KW	1.28	1.29	1.31	1.31	1.31	1.32	1.33	1.34	1.34	1.35	1.36	1.37	/	1.65	1.66	1.68	
	95	TC	18.1	18.4	18.8	19.0	18.7	19.0	19.2	19.5	19.9	20.3	20.4	20.8	/	25.6	25.8	26.1	
		S/T	0.91	0.96	0.99	1.00	0.65	0.85	0.96	0.97	0.40	0.58	0.75	0.93	/	0.39	0.54	0.70	
		KW	1.53	1.55	1.56	1.56	1.56	1.58	1.59	1.60	1.61	1.62	1.63	1.65	/	1.99	2.00	2.02	
105	TC	18.0	18.3	18.7	18.9	18.6	18.9	19.1	19.4	19.9	20.2	20.4	20.7	/	25.3	25.6	25.9		
	S/T	0.92	0.97	1.00	1.00	0.66	0.86	0.97	0.98	0.41	0.59	0.76	0.94	/	0.40	0.55	0.71		
	KW	1.81	1.82	1.84	1.84	1.84	1.85	1.87	1.88	1.89	1.90	1.92	1.93	/	2.34	2.36	2.38		
115	TC	17.7	18.0	18.4	18.6	18.3	18.6	18.8	19.1	19.6	19.9	20.0	20.3	/	25.1	25.3	25.7		
	S/T	0.94	0.99	1.00	1.00	0.68	0.88	0.99	1.00	0.43	0.61	0.78	0.96	/	0.42	0.57	0.73		
	KW	2.08	2.10	2.12	2.12	2.12	2.14	2.16	2.18	2.18	2.20	2.22	2.24	/	2.75	2.77	2.79		
760	65	TC	19.9	20.2	20.7	20.9	20.6	20.9	21.1	21.4	22.0	22.3	22.5	22.9	/	28.5	28.8	29.1	
		S/T	0.92	0.97	0.99	1.00	0.67	0.87	0.98	0.99	0.42	0.60	0.77	0.95	/	0.40	0.55	0.71	
		KW	1.03	1.04	1.05	1.05	1.05	1.06	1.07	1.08	1.07	1.08	1.09	1.11	/	1.37	1.38	1.39	
	75	TC	20.1	20.4	20.9	21.1	20.7	21.1	21.3	21.6	22.2	22.5	22.7	22.9	/	28.6	28.9	29.1	
		S/T	0.92	0.97	0.99	1.00	0.67	0.87	0.98	0.99	0.42	0.60	0.77	0.95	/	0.40	0.55	0.71	
		KW	1.23	1.24	1.25	1.25	1.25	1.27	1.28	1.29	1.29	1.30	1.31	1.33	/	1.62	1.64	1.66	
	85	TC	20.1	20.4	20.9	21.1	20.7	21.1	21.3	21.6	22.1	22.5	22.7	22.9	/	28.3	28.5	28.8	
		S/T	0.92	0.97	0.99	1.00	0.67	0.88	0.98	1.00	0.42	0.60	0.77	0.95	/	0.40	0.55	0.71	
		KW	1.42	1.43	1.44	1.44	1.44	1.46	1.47	1.48	1.49	1.50	1.51	1.52	/	1.83	1.84	1.86	
	95	TC	20.0	20.3	20.8	21.0	20.7	21.0	21.2	21.5	22.0	22.4	22.6	22.7	/	28.0	28.3	28.5	
		S/T	0.92	0.97	0.99	1.00	0.67	0.88	0.98	1.00	0.42	0.60	0.77	0.95	/	0.40	0.55	0.71	
		KW	1.69	1.71	1.72	1.72	1.72	1.74	1.75	1.77	1.78	1.79	1.80	1.81	/	2.20	2.22	2.23	
105	TC	19.6	19.9	20.3	20.5	20.4	20.6	20.8	21.1	21.8	22.0	22.2	22.4	/	27.0	27.3	27.5		
	S/T	0.93	0.98	1.00	1.00	0.68	0.89	0.99	1.00	0.43	0.61	0.78	0.96	/	0.41	0.56	0.72		
	KW	1.97	1.99	2.01	2.01	2.01	2.03	2.04	2.06	2.07	2.09	2.10	2.12	/	2.60	2.62	2.63		
115	TC	19.5	19.7	20.2	20.4	20.4	20.5	20.7	20.9	21.6	21.8	22.0	22.3	/	26.3	26.5	26.8		
	S/T	0.95	1.00	1.00	1.00	0.70	0.91	1.00	1.00	0.45	0.63	0.80	0.98	/	0.43	0.58	0.74		
	KW	2.37	2.39	2.41	2.42	2.41	2.46	2.48	2.50	2.51	2.53	2.55	2.57	/	3.06	3.08	3.11		
860 (High Stage)	65	TC	22.1	22.4	22.9	23.2	22.8	23.1	23.3	23.6	24.4	24.6	24.8	25.1	/	30.8	31.1	31.4	
		S/T	0.93	0.98	1.00	1.00	0.68	0.88	0.99	1.00	0.43	0.61	0.77	0.95	/	0.41	0.55	0.71	
		KW	1.18	1.19	1.20	1.20	1.20	1.21	1.23	1.24	1.23	1.25	1.26	1.27	/	1.64	1.66	1.68	
	75	TC	21.8	22.2	22.7	22.9	22.6	22.8	23.1	23.3	24.2	24.5	24.6	24.6	/	30.8	31.1	31.4	
		S/T	0.93	0.98	1.00	1.00	0.68	0.88	0.99	1.00	0.43	0.61	0.77	0.96	/	0.41	0.55	0.71	
		KW	1.38	1.40	1.41	1.41	1.41	1.42	1.44	1.45	1.46	1.47	1.48	1.48	/	1.83	1.85	1.87	
	85	TC	21.7	22.0	22.5	22.8	22.4	22.8	23.0	23.3	24.2	24.3	24.5	24.6	/	30.5	30.8	31.0	
		S/T	0.93	0.98	1.00	1.00	0.68	0.89	0.99	1.00	0.43	0.61	0.77	0.96	/	0.41	0.55	0.71	
		KW	1.54	1.56	1.57	1.57	1.57	1.59	1.60	1.62	1.64	1.64	1.66	1.66	/	2.01	2.03	2.05	
	95	TC	21.5	21.9	22.4	22.5	22.3	22.6	22.8	23.2	23.8	24.0	24.3	24.5	/	30.3	30.5	30.7	
		S/T	0.93	0.98	1.00	1.00	0.68	0.89	0.99	1.00	0.43	0.61	0.77	0.96	/	0.41	0.55	0.71	
		KW	1.77	1.79	1.81	1.81	1.81	1.83	1.84	1.86	1.88	1.89	1.89	1.90	/	2.42	2.43	2.44	
105	TC	20.2	20.5	20.8	21.1														

BOVB36-18 + BVA 2.0 36 For Cooling																		
Indoor Airflow (CFM)	Outdoor DB (°F)	IWB (°F)	59				63				67				71			
		IDB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
650	65	TC	22.1	22.4	23.0	23.3	22.8	23.2	23.4	23.8	24.3	24.5	24.7	25.0	/	29.9	30.2	30.5
		S/T	0.85	0.92	0.96	1.00	0.60	0.83	0.92	0.95	0.39	0.56	0.75	0.88	/	0.39	0.53	0.69
		KW	1.06	1.07	1.09	1.10	1.09	1.10	1.11	1.12	1.11	1.12	1.14	1.15	/	1.45	1.46	1.47
	75	TC	21.8	22.1	22.7	23.0	22.5	22.9	23.1	23.5	23.8	24.2	24.6	25.0	/	29.9	30.2	30.5
		S/T	0.85	0.92	0.96	1.00	0.60	0.83	0.92	0.95	0.39	0.56	0.75	0.88	/	0.39	0.53	0.69
		KW	1.60	1.61	1.63	1.64	1.63	1.64	1.65	1.67	1.67	1.68	1.69	1.71	/	1.99	2.00	2.02
	85	TC	21.7	22.1	22.7	22.9	22.5	22.7	23.1	23.4	23.8	24.1	24.6	25.0	/	29.7	29.9	30.2
		S/T	0.85	0.92	0.96	1.00	0.60	0.83	0.92	0.95	0.39	0.56	0.75	0.88	/	0.39	0.53	0.69
		KW	1.74	1.76	1.77	1.78	1.77	1.78	1.80	1.81	1.82	1.83	1.84	1.85	/	2.15	2.17	2.18
	95	TC	21.6	22.0	22.5	22.8	22.3	22.6	22.9	23.3	23.7	24.0	24.4	24.8	/	29.3	29.6	29.9
		S/T	0.85	0.92	0.96	1.00	0.60	0.83	0.92	0.95	0.39	0.56	0.75	0.88	/	0.39	0.53	0.69
		KW	1.82	1.84	1.85	1.86	1.85	1.87	1.89	1.90	1.92	1.92	1.94	1.95	/	2.32	2.34	2.37
105	TC	21.4	21.8	22.4	22.6	22.2	22.5	22.8	23.1	23.6	23.8	24.2	24.7	/	29.0	29.2	29.5	
	S/T	0.85	0.92	0.96	1.00	0.60	0.83	0.92	0.95	0.39	0.56	0.75	0.88	/	0.39	0.53	0.69	
	KW	2.14	2.16	2.18	2.19	2.18	2.20	2.22	2.24	2.26	2.26	2.28	2.30	/	2.77	2.79	2.82	
115	TC	21.2	21.6	22.2	22.4	22.0	22.3	22.6	22.9	23.4	23.6	24.0	24.4	/	25.9	26.1	26.4	
	S/T	0.86	0.93	0.97	1.00	0.61	0.84	0.93	0.96	0.40	0.57	0.76	0.89	/	0.40	0.54	0.70	
	KW	2.50	2.53	2.55	2.56	2.55	2.58	2.60	2.63	2.64	2.66	2.68	2.70	/	3.07	3.08	3.08	
820 (Low Stage)	65	TC	24.4	24.8	25.4	25.7	25.2	25.6	25.9	26.3	26.9	27.1	27.6	28.0	/	32.8	33.3	33.8
		S/T	0.86	0.93	0.97	1.00	0.61	0.84	0.93	0.96	0.39	0.57	0.76	0.88	/	0.39	0.54	0.70
		KW	1.24	1.25	1.27	1.28	1.27	1.28	1.29	1.30	1.30	1.31	1.33	1.34	/	1.71	1.72	1.75
	75	TC	24.2	24.6	25.3	25.5	25.1	25.4	25.7	26.1	26.6	26.9	27.4	27.8	/	32.8	33.3	33.8
		S/T	0.86	0.93	0.97	1.00	0.61	0.84	0.93	0.96	0.39	0.57	0.76	0.88	/	0.39	0.54	0.70
		KW	1.83	1.84	1.86	1.87	1.86	1.87	1.89	1.90	1.91	1.91	1.93	1.95	/	2.18	2.20	2.23
	85	TC	24.2	24.6	25.2	25.5	25.0	25.3	25.7	26.0	26.6	26.9	27.3	27.8	/	32.8	33.1	33.3
		S/T	0.86	0.93	0.97	1.00	0.61	0.84	0.93	0.96	0.39	0.57	0.76	0.88	/	0.39	0.54	0.70
		KW	1.93	1.95	1.96	1.97	1.96	1.98	2.00	2.01	2.03	2.03	2.04	2.05	/	2.42	2.44	2.46
	95	TC	24.0	24.4	25.0	25.3	24.8	25.1	25.5	25.8	26.3	26.7	27.1	27.5	/	32.3	32.6	32.8
		S/T	0.86	0.93	0.97	1.00	0.61	0.84	0.93	0.96	0.39	0.57	0.76	0.88	/	0.39	0.54	0.70
		KW	2.04	2.06	2.08	2.09	2.08	2.10	2.12	2.14	2.15	2.16	2.18	2.19	/	2.65	2.67	2.69
105	TC	23.7	24.1	24.7	25.0	24.5	24.9	25.2	25.6	26.2	26.4	26.8	27.2	/	31.8	32.0	32.2	
	S/T	0.86	0.93	0.97	1.00	0.61	0.84	0.93	0.96	0.39	0.57	0.76	0.88	/	0.39	0.54	0.70	
	KW	2.39	2.42	2.44	2.45	2.44	2.46	2.49	2.51	2.53	2.54	2.56	2.58	/	3.13	3.15	3.18	
115	TC	22.2	22.5	23.0	23.3	23.0	23.3	23.5	23.8	24.7	24.9	25.1	25.3	/	27.1	27.3	27.5	
	S/T	0.87	0.94	0.98	1.00	0.62	0.85	0.94	0.97	0.40	0.58	0.77	0.89	/	0.40	0.55	0.71	
	KW	2.63	2.66	2.69	2.69	2.66	2.67	2.69	2.72	2.73	2.74	2.75	2.76	/	3.25	3.26	3.27	
1020	65	TC	29.9	30.2	30.8	31.2	31.1	31.4	31.7	32.0	33.1	33.4	33.7	33.9	/	37.3	37.6	37.9
		S/T	0.90	0.95	0.98	1.00	0.63	0.86	0.95	1.00	0.39	0.57	0.76	0.97	/	0.39	0.54	0.70
		KW	1.74	1.76	1.77	1.77	1.77	1.79	1.80	1.82	1.82	1.83	1.85	1.87	/	2.24	2.26	2.29
	75	TC	29.8	30.2	30.8	31.1	30.9	31.2	31.6	31.9	33.0	33.3	33.6	33.8	/	36.9	37.2	37.5
		S/T	0.90	0.95	0.98	1.00	0.63	0.86	0.95	1.00	0.39	0.57	0.76	0.97	/	0.39	0.54	0.70
		KW	2.13	2.15	2.17	2.18	2.17	2.19	2.21	2.22	2.22	2.24	2.26	2.28	/	2.41	2.42	2.43
	85	TC	29.5	29.8	30.4	30.8	30.6	31.0	31.3	31.6	32.8	33.1	33.4	33.6	/	36.8	37.1	37.3
		S/T	0.90	0.95	0.98	1.00	0.63	0.86	0.95	1.00	0.39	0.57	0.76	0.97	/	0.39	0.54	0.70
		KW	2.25	2.27	2.29	2.29	2.29	2.31	2.33	2.35	2.35	2.37	2.39	2.41	/	2.67	2.70	2.72
	95	TC	29.0	29.3	29.9	30.3	30.1	30.5	30.8	31.1	32.3	32.6	32.8	33.1	/	36.5	36.8	37.0
		S/T	0.90	0.95	0.98	1.00	0.63	0.86	0.95	1.00	0.39	0.57	0.76	0.97	/	0.39	0.54	0.70
		KW	2.54	2.56	2.59	2.60	2.59	2.61	2.64	2.66	2.68	2.69	2.71	2.74	/	3.18	3.19	3.20
105	TC	27.6	28.1	28.8	29.1	28.6	28.9	29.3	29.7	30.4	30.8	31.2	31.6	/	35.4	35.5	35.7	
	S/T	0.91	0.96	0.99	1.00	0.64	0.87	0.96	1.00	0.40	0.58	0.77	0.98	/	0.40	0.55	0.71	
	KW	2.99	3.01	3.03	3.05	3.21	3.22	3.24	3.26	3.43	3.45	3.46	3.47	/	3.67	3.68	3.69	
115	TC	22.5	22.9	23.3	23.6	25.1	25.5	25.8	26.0	26.8	27.2	27.4	27.7	/	28.2	28.5	28.7	
	S/T	0.92	0.97	1.00	1.00	0.65	0.88	0.97	1.00	0.41	0.59	0.78	0.99	/	0.41	0.56	0.72	
	KW	2.65	2.67	2.69	2.71	2.87	2.88	2.90	2.92	3.09	3.11	3.12	3.13	/	3.23	3.25	3.27	
1150 (High Stage)	65	TC	31.3	31.8	32.6	32.9	32.4	32.8	33.2	33.6	34.7	34.9	35.3	35.6	/	41.2	41.5	41.8
		S/T	0.90	0.96	0.99	1.00	0.64	0.87	0.96	1.00	0.39	0.58	0.77	0.98	/	0.39	0.55	0.71
		KW	1.92	1.94	1.96	1.97	1.96	1.98	2.00	2.02	2.07	2.10	2.12	2.14	/	2.47	2.48	2.51
	75	TC	31.3	31.8	32.4	32.7	32.4	32.8	33.2	33.6	34.5	34.9	35.2	35.5	/	40.9	41.2	41.5
		S/T	0.91	0.96	0.99	1.00	0.64	0.87	0.96	1.00	0.39	0.58	0.77	0.98	/	0.39	0.55	0.71
		KW	2.17	2.19	2.21	2.22	2.21	2.23	2.25	2.27	2.28	2.29	2.32	2.34	/	2.61	2.63	2.64
	85	TC	30.8	31.2	32.0	32.3	32.0	32.3	32.6	33.0	34.2	34.5	34.9	35.2	/	39.8	40.1	40.4
		S/T	0.91	0.96	0.99	1.00	0.64	0.87	0.96	1.00	0.39	0.58	0.77	0.98	/	0.39	0.55	0.71
		KW	2.29	2.31	2.34	2.35	2.34	2.37	2.38	2.41	2.52	2.54	2.56	2.58	/	2.97	2.97	2.99
	95	TC	30.4	30.9	31.7	32.0	31.9	32.2	32.5	32.9	33.7	34.2	34.6	34.7	/	39.0	39.2	39.4
		S/T	0.91	0.96	0.99	1.00	0.64	0.87	0.96	1.00	0.39	0.58	0.77	0.98	/	0.39	0.55	0.71
		KW	2.70	2.73	2.76	2.77	2.76	2.79	2.81	2.84	2.96	2.98	3.01	3.02	/	3.47	3.48	3.49
105	TC	28.9	29.3	29.7	30.0	30.9	31.2	31.5	31.9	32.9	33.3	33.5	33.8	/	36.4	36.7	36.9	
	S/T	0.92	0.97	1.00	1.00	0.64	0.88	0.96	1.00	0.40	0.60	0.78	0.99	/	0.40	0.56	0.72	
	KW	3.08	3.11	3.12	3.14	3.21	3.25	3.28	3.31	3.43								

BOVB60-18 + BVA 2.0 36 For Cooling																		
Indoor Airflow (CFM)	Outdoor DB (°F)	IWB (°F)	59				63				67				71			
		IDB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
1020	65	TC	23.8	23.9	24.1	24.3	28.2	28.3	28.5	28.7	33.2	33.3	33.5	33.7	/	40.9	41.1	41.3
		S/T	0.67	0.87	1.00	1.00	0.51	0.65	0.86	1.00	0.37	0.57	0.72	0.87	/	0.35	0.51	0.66
		kW	1.20	1.20	1.20	1.20	1.32	1.32	1.32	1.32	1.48	1.48	1.48	1.48	/	1.79	1.79	1.79
	75	TC	23.8	23.9	24.1	24.3	28.2	28.3	28.5	28.7	33.2	33.3	33.5	33.7	/	40.9	41.1	41.3
		S/T	0.67	0.87	1.00	1.00	0.51	0.65	0.86	1.00	0.37	0.57	0.72	0.87	/	0.35	0.51	0.66
		kW	1.49	1.49	1.49	1.49	1.64	1.64	1.64	1.64	1.82	1.82	1.82	1.82	/	2.31	2.31	2.31
	85	TC	23.8	23.9	24.1	24.3	28.2	28.3	28.5	28.7	33.2	33.3	33.5	33.7	/	40.9	41.1	41.3
		S/T	0.67	0.87	1.00	1.00	0.51	0.65	0.86	1.00	0.37	0.57	0.72	0.87	/	0.35	0.51	0.66
		kW	1.78	1.78	1.78	1.78	1.97	1.97	1.97	1.97	2.19	2.19	2.19	2.19	/	2.79	2.79	2.79
	95	TC	23.8	23.9	24.1	24.3	28.2	28.3	28.5	28.7	33.2	33.3	33.5	33.7	/	40.9	41.1	41.3
		S/T	0.67	0.87	1.00	1.00	0.51	0.65	0.86	1.00	0.37	0.57	0.72	0.87	/	0.35	0.51	0.66
		kW	2.05	2.05	2.05	2.05	2.31	2.31	2.31	2.31	2.59	2.59	2.59	2.59	/	3.26	3.26	3.26
105	TC	23.8	23.9	24.1	24.3	28.2	28.3	28.5	28.7	33.2	33.3	33.5	33.7	/	40.9	41.1	41.3	
	S/T	0.67	0.87	1.00	1.00	0.51	0.65	0.86	1.00	0.37	0.57	0.72	0.87	/	0.35	0.51	0.66	
	kW	2.46	2.46	2.46	2.46	2.73	2.73	2.73	2.73	3.16	3.16	3.16	3.16	/	4.02	4.02	4.02	
115	TC	23.8	23.9	24.1	24.3	28.2	28.3	28.5	28.7	33.2	33.3	33.5	33.7	/	33.0	33.2	33.4	
	S/T	0.67	0.87	1.00	1.00	0.51	0.65	0.86	1.00	0.37	0.57	0.72	0.87	/	0.38	0.54	0.72	
	kW	2.85	2.85	2.85	2.85	3.32	3.32	3.32	3.32	3.81	3.81	3.81	3.81	/	3.51	3.51	3.51	
1150	65	TC	24.6	24.7	24.9	25.1	29.1	29.2	29.4	29.6	34.9	35.0	35.2	35.4	/	42.9	43.1	43.3
		S/T	0.67	0.87	1.00	1.00	0.53	0.68	0.88	1.00	0.39	0.59	0.74	0.91	/	0.38	0.57	0.71
		kW	1.24	1.24	1.24	1.24	1.38	1.38	1.38	1.38	1.62	1.62	1.62	1.62	/	1.89	1.89	1.89
	75	TC	24.6	24.7	24.9	25.1	29.1	29.2	29.4	29.6	34.9	35.0	35.2	35.4	/	42.9	43.1	43.3
		S/T	0.67	0.87	1.00	1.00	0.53	0.68	0.88	1.00	0.39	0.59	0.74	0.91	/	0.38	0.57	0.71
		kW	1.52	1.52	1.52	1.52	1.69	1.69	1.69	1.69	1.98	1.98	1.98	1.98	/	2.38	2.38	2.38
	85	TC	24.6	24.7	24.9	25.1	29.1	29.2	29.4	29.6	34.9	35.0	35.2	35.4	/	42.9	43.1	43.3
		S/T	0.67	0.87	1.00	1.00	0.53	0.68	0.88	1.00	0.39	0.59	0.74	0.91	/	0.38	0.57	0.71
		kW	1.82	1.82	1.82	1.82	2.03	2.03	2.03	2.03	2.37	2.37	2.37	2.37	/	2.85	2.85	2.85
	95	TC	24.6	24.7	24.9	25.1	29.1	29.2	29.4	29.6	34.9	35.0	35.2	35.4	/	42.9	43.1	43.3
		S/T	0.67	0.87	1.00	1.00	0.53	0.68	0.88	1.00	0.39	0.59	0.74	0.91	/	0.38	0.57	0.71
		kW	2.08	2.08	2.08	2.08	2.39	2.39	2.39	2.39	2.79	2.79	2.79	2.79	/	3.47	3.47	3.47
105	TC	24.6	24.7	24.9	25.1	29.1	29.2	29.4	29.6	34.9	35.0	35.2	35.4	/	42.9	43.1	43.3	
	S/T	0.67	0.87	1.00	1.00	0.53	0.68	0.88	1.00	0.39	0.59	0.74	0.91	/	0.38	0.57	0.71	
	kW	2.51	2.51	2.51	2.51	2.79	2.79	2.79	2.79	3.38	3.38	3.38	3.38	/	4.31	4.31	4.31	
115	TC	24.6	24.7	24.9	25.1	29.1	29.2	29.4	29.6	32.1	32.2	32.4	32.6	/	33.9	34.1	34.3	
	S/T	0.67	0.87	1.00	1.00	0.53	0.68	0.88	1.00	0.41	0.61	0.76	0.94	/	0.40	0.60	0.78	
	kW	2.91	2.91	2.91	2.91	3.39	3.39	3.39	3.39	3.57	3.57	3.57	3.57	/	3.59	3.58	3.59	
1350	65	TC	25.7	25.8	26.0	26.2	30.9	31.0	31.2	31.4	37.0	37.1	37.3	37.5	/	46.2	46.4	46.6
		S/T	0.71	0.91	1.00	1.00	0.56	0.71	0.91	1.00	0.42	0.53	0.78	0.96	/	0.44	0.62	0.78
		kW	1.37	1.37	1.37	1.37	1.52	1.52	1.52	1.52	1.76	1.76	1.76	1.76	/	2.13	2.13	2.13
	75	TC	25.7	25.8	26.0	26.2	30.9	31.0	31.2	31.4	37.0	37.1	37.3	37.5	/	46.2	46.4	46.6
		S/T	0.71	0.91	1.00	1.00	0.56	0.71	0.91	1.00	0.42	0.53	0.78	0.96	/	0.44	0.62	0.78
		kW	1.67	1.67	1.67	1.67	1.85	1.85	1.85	1.85	2.14	2.14	2.14	2.14	/	2.57	2.57	2.57
	85	TC	25.7	25.8	26.0	26.2	30.9	31.0	31.2	31.4	37.0	37.1	37.3	37.5	/	46.2	46.4	46.6
		S/T	0.71	0.91	1.00	1.00	0.56	0.71	0.91	1.00	0.42	0.53	0.78	0.96	/	0.44	0.62	0.78
		kW	1.97	1.97	1.97	1.97	2.20	2.20	2.20	2.20	2.54	2.54	2.54	2.54	/	3.17	3.17	3.17
	95	TC	25.7	25.8	26.0	26.2	30.9	31.0	31.2	31.4	37.0	37.1	37.3	37.5	/	46.2	46.4	46.6
		S/T	0.71	0.91	1.00	1.00	0.56	0.71	0.91	1.00	0.42	0.53	0.78	0.96	/	0.44	0.62	0.78
		kW	2.27	2.27	2.27	2.27	2.68	2.68	2.68	2.68	3.11	3.11	3.11	3.11	/	3.82	3.82	3.82
105	TC	25.7	25.8	26.0	26.2	30.9	31.0	31.2	31.4	37.0	37.1	37.3	37.5	/	46.2	46.4	46.6	
	S/T	0.71	0.91	1.00	1.00	0.56	0.71	0.91	1.00	0.42	0.53	0.78	0.96	/	0.44	0.62	0.78	
	kW	2.71	2.71	2.71	2.71	3.14	3.14	3.14	3.14	3.74	3.74	3.74	3.74	/	4.54	4.54	4.54	
115	TC	25.7	25.8	26.0	26.2	30.9	31.0	31.2	31.4	32.7	32.8	33.0	33.2	/	34.6	34.8	35.0	
	S/T	0.71	0.91	1.00	1.00	0.56	0.71	0.91	1.00	0.45	0.56	0.81	1.00	/	0.46	0.64	0.81	
	kW	3.24	3.24	3.24	3.24	3.61	3.61	3.61	3.61	3.63	3.63	3.63	3.63	/	3.65	3.65	3.65	

Table 12

TC refer to total capacity S/T: refer to the ratio of sensible heat and total capacity kW: refer to total input power



Not recommended to use airflows above 1350 CFM for this combination.

BOVB60-18 + BVA 2.0 48 For Cooling																		
Indoor Airflow (CFM)	Outdoor DB (°F)	IWB (°F)	59				63				67				71			
		IDB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
1160	65	TC	38.7	39.1	40.1	40.5	39.9	40.3	41.0	41.5	42.5	43.0	43.6	43.9	/	50.1	50.5	50.9
		S/T	0.80	0.92	0.94	0.98	0.58	0.76	0.92	0.95	0.39	0.55	0.72	0.90	/	0.39	0.54	0.67
		KW	2.12	2.14	2.16	2.17	2.16	2.18	2.20	2.22	2.23	2.25	2.28	2.29	/	2.88	2.91	2.70
	75	TC	38.4	38.9	39.8	40.3	39.6	40.1	40.7	41.2	42.2	42.7	43.3	43.7	/	49.6	50.2	50.6
		S/T	0.80	0.92	0.94	0.98	0.58	0.76	0.92	0.95	0.39	0.55	0.72	0.90	/	0.39	0.54	0.67
		KW	2.56	2.58	2.60	2.61	2.60	2.63	2.65	2.66	2.69	2.71	2.74	2.76	/	3.20	3.11	3.13
	85	TC	38.0	38.4	39.4	39.8	39.2	39.6	40.2	40.7	42.2	42.5	42.8	43.2	/	49.0	49.4	49.8
		S/T	0.80	0.92	0.94	0.98	0.58	0.76	0.92	0.95	0.39	0.55	0.72	0.90	/	0.39	0.54	0.67
		KW	2.79	2.82	2.84	2.85	2.84	2.86	2.89	2.90	2.97	2.98	2.98	3.00	/	3.55	3.57	3.60
	95	TC	37.6	38.0	39.0	39.4	38.8	39.2	39.8	40.4	41.3	41.9	42.4	42.7	/	48.2	48.6	48.9
		S/T	0.80	0.92	0.94	0.98	0.58	0.76	0.92	0.95	0.39	0.55	0.72	0.90	/	0.39	0.54	0.67
		KW	3.26	3.29	3.32	3.33	3.32	3.35	3.38	3.40	3.43	3.46	3.48	3.51	/	4.13	4.16	4.19
105	TC	37.2	37.6	38.5	38.9	38.3	38.7	39.4	39.9	40.9	41.3	41.9	42.2	/	47.3	47.6	47.9	
	S/T	0.81	0.93	0.96	1.00	0.60	0.77	0.93	0.97	0.39	0.56	0.73	0.91	/	0.39	0.54	0.67	
	KW	3.47	3.51	3.52	3.54	3.54	3.57	3.61	3.64	3.66	3.69	3.71	3.74	/	4.48	4.52	4.55	
115	TC	34.8	35.2	36.1	36.5	36.1	36.5	36.9	37.3	38.7	39.0	39.4	39.6	/	42.9	43.1	43.4	
	S/T	0.83	0.95	0.98	1.00	0.62	0.79	0.95	0.99	0.41	0.58	0.75	0.93	/	0.40	0.56	0.69	
	KW	4.16	4.20	4.24	4.27	4.27	4.31	4.35	4.39	4.40	4.43	4.48	4.51	/	4.74	4.75	4.75	
1320 (Low Stage)	65	TC	40.4	40.8	41.8	42.3	41.6	42.1	42.8	43.2	44.9	45.1	45.5	45.9	/	53.3	53.7	54.2
		S/T	0.82	0.94	0.95	0.98	0.60	0.78	0.93	0.95	0.40	0.57	0.73	0.90	/	0.39	0.55	0.67
		KW	2.28	2.30	2.32	2.33	2.32	2.34	2.36	2.38	2.43	2.44	2.45	2.48	/	2.99	3.02	3.05
	75	TC	40.6	41.0	42.0	42.5	41.8	42.3	43.0	43.5	44.7	45.2	45.6	46.1	/	53.0	53.4	53.8
		S/T	0.82	0.94	0.95	0.98	0.60	0.78	0.93	0.95	0.40	0.57	0.73	0.90	/	0.39	0.55	0.67
		KW	2.64	2.66	2.69	2.70	2.69	2.71	2.73	2.75	2.77	2.80	2.82	2.85	/	3.41	3.44	3.47
	85	TC	40.0	40.5	41.5	41.9	41.3	41.7	42.4	42.9	44.1	44.6	45.0	45.5	/	52.1	52.5	52.9
		S/T	0.82	0.94	0.95	0.98	0.60	0.78	0.93	0.95	0.40	0.57	0.73	0.90	/	0.39	0.55	0.67
		KW	2.98	3.01	3.03	3.04	3.03	3.06	3.09	3.10	3.14	3.16	3.18	3.21	/	3.77	3.80	3.83
	95	TC	39.5	40.0	41.0	41.4	40.8	41.2	41.9	42.4	43.6	44.1	44.4	44.9	/	50.5	50.9	51.3
		S/T	0.82	0.94	0.95	0.98	0.60	0.78	0.93	0.95	0.40	0.57	0.73	0.90	/	0.39	0.55	0.67
		KW	3.47	3.50	3.53	3.54	3.53	3.56	3.59	3.61	3.65	3.68	3.71	3.73	/	4.38	4.41	4.44
105	TC	39.0	39.2	39.5	39.9	40.2	40.6	41.2	41.7	43.1	43.5	43.9	44.2	/	48.9	49.3	49.6	
	S/T	0.83	0.95	0.97	1.00	0.61	0.79	0.94	0.97	0.41	0.58	0.74	0.91	/	0.39	0.55	0.67	
	KW	4.08	4.09	4.13	4.13	4.13	4.17	4.22	4.24	4.25	4.28	4.32	4.34	/	4.77	4.80	4.82	
115	TC	35.8	36.3	37.1	37.5	37.4	37.7	38.0	38.4	40.1	40.4	40.6	40.5	/	43.3	43.5	43.7	
	S/T	0.85	0.97	0.99	1.00	0.63	0.81	0.96	0.99	0.43	0.60	0.76	0.93	/	0.41	0.57	0.69	
	KW	4.27	4.31	4.35	4.37	4.40	4.43	4.47	4.50	4.53	4.56	4.59	4.61	/	4.79	4.81	4.83	
1520	65	TC	43.0	43.5	44.5	45.0	44.3	44.8	45.5	46.1	47.3	47.9	48.3	48.9	/	54.5	54.9	55.4
		S/T	0.85	0.97	0.98	0.99	0.63	0.81	0.96	0.98	0.43	0.60	0.76	0.93	/	0.39	0.55	0.68
		KW	2.57	2.60	2.62	2.63	2.62	2.64	2.67	2.69	2.70	2.73	2.76	2.79	/	3.23	3.26	3.29
	75	TC	43.2	43.7	44.7	45.2	44.5	45.0	45.7	46.3	47.6	48.1	48.5	49.0	/	54.1	54.5	54.9
		S/T	0.85	0.97	0.98	0.99	0.63	0.81	0.96	0.98	0.43	0.60	0.76	0.93	/	0.39	0.55	0.68
		KW	2.91	2.94	2.97	2.98	2.97	2.99	3.02	3.04	3.06	3.09	3.12	3.14	/	3.62	3.64	3.67
	85	TC	42.5	43.0	44.1	44.6	43.9	44.4	45.0	45.6	46.9	47.5	47.8	48.3	/	53.0	53.5	53.9
		S/T	0.85	0.97	0.98	0.99	0.63	0.81	0.96	0.98	0.43	0.60	0.76	0.93	/	0.39	0.55	0.68
		KW	3.24	3.27	3.30	3.31	3.30	3.33	3.35	3.37	3.41	3.44	3.46	3.49	/	4.08	4.11	4.13
	95	TC	42.0	42.5	43.6	44.0	43.4	43.8	44.5	45.1	46.3	46.8	47.4	47.7	/	51.8	52.2	52.6
		S/T	0.85	0.97	0.98	0.99	0.63	0.81	0.96	0.98	0.43	0.60	0.76	0.93	/	0.39	0.55	0.68
		KW	3.58	3.61	3.65	3.65	3.65	3.68	3.72	3.75	3.77	3.79	3.80	3.83	/	4.52	4.56	4.59
105	TC	40.2	40.5	41.0	41.3	41.6	42.1	42.5	43.0	44.5	45.0	45.3	45.7	/	49.8	50.1	50.4	
	S/T	0.85	0.97	0.98	1.00	0.63	0.81	0.96	0.98	0.43	0.60	0.76	0.93	/	0.40	0.56	0.70	
	KW	4.18	4.19	4.22	4.23	4.27	4.31	4.34	4.37	4.38	4.42	4.45	4.48	/	4.85	4.87	4.89	
115	TC	36.5	37.1	37.6	38.2	38.6	39.2	39.8	40.5	41.1	41.6	42.0	42.5	/	43.7	43.9	44.1	
	S/T	0.89	0.99	1.00	1.00	0.66	0.85	0.98	1.00	0.47	0.64	0.80	0.97	/	0.44	0.60	0.74	
	KW	4.39	4.43	4.45	4.47	4.48	4.52	4.59	4.63	4.71	4.74	4.76	4.79	/	4.82	4.84	4.85	
1750 (High Stage)	65	TC	45.3	45.8	46.8	47.3	46.8	47.3	47.8	48.3	50.2	50.5	50.9	51.6	/	55.3	55.7	56.7
		S/T	0.87	0.99	1.00	1.00	0.65	0.83	0.98	1.00	0.45	0.62	0.78	0.95	/	0.41	0.57	0.71
		KW	2.89	2.92	2.95	2.96	2.95	2.97	3.00	3.03	3.05	3.08	3.10	3.12	/	3.58	3.61	3.59
	75	TC	45.5	46.0	47.0	47.5	47.0	47.5	48.0	48.6	50.1	50.5	51.1	51.5	/	55.2	55.6	56.0
		S/T	0.87	0.99	1.00	1.00	0.65	0.83	0.98	1.00	0.45	0.62	0.78	0.95	/	0.41	0.57	0.71
		KW	3.09	3.12	3.15	3.16	3.15	3.18	3.21	3.22	3.28	3.31	3.34	3.35	/	3.83	3.85	3.88
	85	TC	44.8	45.3	46.4	46.9	46.2	46.7	47.4	48.0	49.4	50.0	50.3	50.8	/	53.7	54.1	54.5
		S/T	0.87	0.99	1.00	1.00	0.65	0.83	0.98	1.00	0.45	0.62	0.78	0.95	/	0.41	0.57	0.71
		KW	3.52	3.55	3.58	3.59	3.58	3.61	3.64	3.67	3.71	3.74	3.76	3.79	/	4.21	4.25	4.28
	95	TC	43.9	44.4	45.5	46.0	45.3	45.8	46.5	47.1	48.5	49.0	49.4	49.9	/	52.7	53.1	53.5
		S/T	0.87	0.99	1.00	1.00	0.65	0.83	0.98	1.00	0.45	0.62	0.78	0.95	/	0.41	0.57	0.71
		KW	4.05	4.09	4.13	4.14	4.13	4.16	4.20	4.23	4.28	4.31	4.32	4.35	/	4.90	4.94	4.97
105	TC	40.8	41.3	41.7	42.1	42.4	42.8	43.3	43.8	45.4	45.7	46.0	46.4	/	50.8	51.0	51.2	
	S/T	0.88	1.00	1.00	1.00	0.66	0.84	0.99	1.00	0.46	0.63	0.79	0.96	/	0.42	0.58	0.72	
	KW	4.24	4.26	4.28	4.30	4.33	4.37	4.42	4.44	4.45								

BOVB60-18 + BVA 2.060 For Cooling																			
Indoor Airflow (CFM)	Outdoor DB (°F)	IWB (°F)	IDB (°F)	59				63				67				71			
				70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
1160	65	TC	38.9	39.4	40.4	40.9	40.2	40.8	41.3	41.7	42.9	43.5	44.0	44.5	/	51.0	51.4	52.4	
		S/T	0.83	0.94	0.97	1.00	0.62	0.81	0.96	0.97	0.42	0.60	0.75	0.90	/	0.37	0.55	0.70	
		KW	2.16	2.19	2.22	2.22	2.24	2.26	2.28	2.30	2.36	2.39	2.41	2.43	/	2.94	2.97	2.99	
	75	TC	38.7	39.2	40.2	40.6	40.0	40.5	41.1	41.5	42.6	43.2	43.6	44.2	/	50.8	51.2	51.7	
		S/T	0.83	0.94	0.97	1.00	0.62	0.81	0.96	0.97	0.42	0.60	0.75	0.90	/	0.37	0.55	0.70	
		KW	2.43	2.45	2.48	2.48	2.48	2.51	2.53	2.55	2.59	2.61	2.64	2.67	/	3.07	3.10	3.12	
	85	TC	38.3	38.8	39.8	40.2	39.6	40.1	40.6	41.1	42.2	42.8	43.1	43.8	/	50.5	50.9	51.3	
		S/T	0.83	0.94	0.97	1.00	0.62	0.81	0.96	0.97	0.42	0.60	0.75	0.90	/	0.37	0.55	0.70	
		KW	2.71	2.73	2.76	2.76	2.76	2.78	2.81	2.83	2.89	2.91	2.93	2.94	/	3.44	3.47	3.49	
	95	TC	37.9	38.4	39.0	39.4	39.2	39.6	40.1	40.5	41.8	42.2	42.5	42.9	/	49.7	50.1	50.5	
		S/T	0.83	0.94	0.97	1.00	0.62	0.81	0.96	0.97	0.42	0.60	0.75	0.90	/	0.37	0.55	0.70	
		KW	3.09	3.12	3.13	3.15	3.15	3.18	3.21	3.22	3.28	3.31	3.34	3.36	/	4.11	4.14	4.17	
105	TC	37.3	37.8	38.6	39.0	38.6	39.0	39.4	39.8	41.3	41.7	42.1	42.6	/	48.8	49.2	49.5		
	S/T	0.85	0.95	0.98	1.00	0.64	0.83	0.97	0.98	0.44	0.61	0.76	0.92	/	0.38	0.57	0.72		
	KW	3.48	3.51	3.55	3.56	3.55	3.58	3.63	3.65	3.68	3.71	3.73	3.76	/	4.49	4.52	4.57		
115	TC	36.2	36.6	37.4	37.8	37.4	37.8	38.3	38.7	40.1	40.4	40.8	41.1	/	42.2	42.4	42.7		
	S/T	0.86	0.96	0.99	1.00	0.65	0.85	0.98	0.99	0.45	0.62	0.78	0.97	/	0.40	0.59	0.74		
	KW	4.41	4.45	4.49	4.49	4.49	4.54	4.58	4.60	4.70	4.74	4.76	4.79	/	4.88	4.90	4.91		
1320 (Low Stage)	65	TC	41.5	42.1	43.1	43.6	43.1	43.6	44.1	44.6	46.1	46.5	46.9	47.3	/	54.9	55.2	55.6	
		S/T	0.83	0.94	0.97	1.00	0.62	0.81	0.96	0.97	0.42	0.60	0.75	0.90	/	0.37	0.55	0.70	
		KW	2.80	2.83	2.86	2.86	2.85	2.87	2.89	2.92	3.06	3.08	3.11	3.14	/	3.37	3.40	3.43	
	75	TC	41.4	41.9	42.9	43.3	43.1	43.6	44.2	44.8	46.1	46.9	47.4	47.7	/	54.5	54.8	55.2	
		S/T	0.83	0.94	0.97	1.00	0.62	0.81	0.96	0.97	0.42	0.60	0.75	0.90	/	0.37	0.55	0.70	
		KW	2.96	2.98	3.02	3.02	3.01	3.03	3.06	3.08	3.23	3.25	3.28	3.31	/	3.58	3.61	3.64	
	85	TC	41.1	41.6	42.5	43.0	43.0	43.5	44.0	44.7	46.0	46.7	47.2	47.5	/	54.0	54.4	54.8	
		S/T	0.83	0.94	0.97	1.00	0.62	0.81	0.96	0.97	0.42	0.60	0.75	0.90	/	0.37	0.55	0.70	
		KW	3.30	3.33	3.35	3.37	3.36	3.38	3.41	3.44	3.55	3.57	3.59	3.62	/	3.90	3.93	3.96	
	95	TC	40.6	41.2	42.2	42.6	42.9	43.3	44.0	44.6	45.7	46.5	47.0	47.5	/	53.6	54.0	54.4	
		S/T	0.83	0.94	0.97	1.00	0.62	0.81	0.96	0.97	0.42	0.60	0.75	0.90	/	0.37	0.55	0.70	
		KW	3.56	3.59	3.61	3.63	3.65	3.66	3.69	3.71	3.73	3.76	3.79	3.82	/	4.43	4.47	4.50	
105	TC	39.8	40.4	41.2	41.6	41.2	41.7	42.2	42.6	44.1	44.6	45.0	45.3	/	50.8	51.1	51.4		
	S/T	0.85	0.95	0.98	1.00	0.64	0.83	0.97	0.98	0.44	0.61	0.76	0.92	/	0.38	0.57	0.72		
	KW	4.08	4.12	4.15	4.17	4.16	4.20	4.25	4.28	4.30	4.34	4.36	4.39	/	4.87	4.91	4.94		
115	TC	36.8	37.2	38.1	38.5	38.4	38.8	39.3	39.7	40.6	40.9	41.2	41.6	/	42.8	43.0	43.2		
	S/T	0.86	0.96	0.99	1.00	0.65	0.85	0.97	0.99	0.45	0.62	0.78	0.97	/	0.40	0.59	0.74		
	KW	4.51	4.55	4.61	4.61	4.60	4.64	4.70	4.73	4.89	4.90	4.91	4.93	/	5.06	5.07	5.09		
1520	65	TC	47.7	48.2	49.1	49.6	50.2	50.7	51.3	51.8	53.7	54.1	54.5	54.9	/	60.4	60.9	61.3	
		S/T	0.84	0.95	0.98	1.00	0.63	0.82	0.97	0.98	0.43	0.61	0.76	0.91	/	0.39	0.57	0.72	
		KW	3.30	3.32	3.35	3.35	3.45	3.48	3.51	3.53	3.53	3.56	3.59	3.62	/	3.73	3.77	3.80	
	75	TC	47.1	47.7	48.7	49.2	50.0	50.6	51.1	51.6	53.5	54.0	54.3	54.7	/	59.8	60.2	60.6	
		S/T	0.84	0.95	0.98	1.00	0.63	0.82	0.97	0.98	0.43	0.61	0.76	0.91	/	0.39	0.57	0.72	
		KW	3.60	3.63	3.67	3.67	3.66	3.69	3.72	3.75	3.77	3.79	3.81	3.83	/	4.03	4.06	4.10	
	85	TC	46.8	47.3	48.2	48.7	49.4	49.9	50.4	50.9	52.6	53.2	53.8	54.2	/	58.8	59.3	59.7	
		S/T	0.84	0.95	0.98	1.00	0.63	0.82	0.97	0.98	0.43	0.61	0.76	0.91	/	0.39	0.57	0.72	
		KW	4.04	4.06	4.08	4.10	4.10	4.14	4.17	4.20	4.27	4.30	4.32	4.35	/	4.54	4.58	4.60	
	95	TC	45.6	46.3	47.2	47.9	48.9	49.5	50.0	50.5	52.2	52.8	53.4	54.1	/	57.3	57.7	58.1	
		S/T	0.84	0.95	0.98	1.00	0.63	0.82	0.97	0.98	0.43	0.61	0.76	0.91	/	0.39	0.57	0.72	
		KW	4.41	4.45	4.50	4.50	4.51	4.53	4.54	4.56	4.65	4.67	4.69	4.71	/	5.01	5.04	5.07	
105	TC	43.8	44.3	45.3	45.8	45.7	46.3	46.9	47.4	48.2	48.5	48.9	49.2	/	53.2	53.4	53.4		
	S/T	0.86	0.96	0.99	1.00	0.65	0.84	0.98	0.99	0.45	0.62	0.77	0.93	/	0.40	0.59	0.74		
	KW	4.71	4.76	4.78	4.80	4.81	4.85	4.90	4.94	4.96	5.00	5.04	5.07	/	5.51	5.53	5.53		
115	TC	37.4	37.8	38.6	39.1	38.9	39.4	39.8	40.2	41.3	41.8	42.2	42.5	/	43.5	43.8	44.0		
	S/T	0.87	0.97	1.00	1.00	0.66	0.86	0.99	1.00	0.46	0.63	0.79	0.98	/	0.42	0.61	0.76		
	KW	4.65	4.70	4.74	4.76	4.84	4.86	4.90	4.95	5.08	5.10	5.12	5.12	/	5.16	5.17	5.19		
1750 (High Stage)	65	TC	49.8	50.6	51.7	52.3	53.0	53.6	54.2	54.7	56.1	56.5	56.9	57.3	/	62.3	62.6	62.9	
		S/T	0.85	0.96	0.99	1.00	0.64	0.83	0.98	0.99	0.44	0.62	0.77	0.92	/	0.41	0.59	0.74	
		KW	3.46	3.49	3.51	3.52	3.53	3.56	3.59	3.62	3.67	3.70	3.73	3.76	/	4.10	4.13	4.17	
	75	TC	49.6	50.1	51.3	51.8	52.8	53.3	53.9	54.5	55.9	56.3	56.7	57.1	/	61.7	62.1	62.4	
		S/T	0.85	0.96	0.99	1.00	0.64	0.83	0.98	0.99	0.44	0.62	0.77	0.92	/	0.41	0.59	0.74	
		KW	3.74	3.77	3.82	3.82	3.81	3.84	3.87	3.91	3.93	3.96	3.97	4.00	/	4.23	4.27	4.28	
	85	TC	49.4	50.0	51.1	51.6	52.7	53.2	53.8	54.4	55.7	56.3	56.6	57.1	/	61.1	61.5	61.8	
		S/T	0.85	0.96	0.99	1.00	0.64	0.83	0.98	0.99	0.44	0.62	0.77	0.92	/	0.41	0.59	0.74	
		KW	4.23	4.25	4.28	4.30	4.40	4.44	4.48	4.51	4.53	4.55	4.59	4.62	/	4.75	4.79	4.82	
	95	TC	49.0	49.6	50.4	51.3	52.6	53.2	53.7	54.2	55.7	56.3	56.5	57.0	/	60.2	60.6	60.9	
		S/T	0.85	0.96	0.99	1.00	0.64	0.83	0.98	0.99	0.44	0.62	0.77	0.92	/	0.41	0.59	0.74	
		KW	4.63	4.68	4.72	4.75	4.72	4.77	4.81	4.85	4.97	5.01	5.03	5.06	/	5.34	5.38	5.41	
105	TC	44.6	45.1	46.2	46.7	48.3	48.8	49.3	49.9	51.8	52.2	52.5	52.8	/	54.5	54.8	55.1		
	S/T	0.87	0.97	1.00	1.00	0.66	0.85	0.99	1.00	0.46	0.63	0.78	0.94	/	0.42	0.61	0.76		
	KW	5.02	5.07	5.11	5.13	5.23	5.28	5.33	5.38										

BOVB36 18 + BVA2.0 24 for Heating																		
Airflow (CFM)	ID (°F)	OD (°F)	86	72	67	62	57	52	47	42	37	32	27	22	17	12	7	5
620	60	TC	26.0	26.0	26.0	26.0	25.8	25.4	25.2	25.0	25.0	25.5	25.0	24.0	23.9	22.1	21.1	20.1
		kW	1.75	1.80	1.81	1.99	2.14	2.21	2.26	2.30	2.46	2.36	2.57	2.28	2.41	2.33	2.35	2.29
	70	TC	19.3	19.3	19.3	19.3	19.2	19.2	19.2	19.2	19.1	19.1	19.0	19.0	18.2	17.1	16.3	16.0
		kW	1.23	1.38	1.37	1.51	1.52	1.61	1.62	1.64	1.78	1.91	2.00	2.22	2.32	2.66	2.63	2.55
	75	TC	16.2	16.2	16.1	16.1	16.0	16.0	15.9	15.9	15.9	15.8	15.8	15.8	15.8	15.8	15.7	15.7
		kW	1.21	1.23	1.26	1.33	1.41	1.48	1.54	1.65	1.72	1.83	1.92	2.05	2.16	2.22	2.39	2.53
	80	TC	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.5	12.5
		kW	1.05	1.09	1.10	1.12	1.20	1.26	1.34	1.50	1.64	1.70	1.79	1.92	2.06	2.19	2.30	2.15
660 (Low Stage)	60	TC	27.2	27.0	26.7	26.4	26.2	25.9	25.7	26.7	26.7	25.4	25.2	23.7	23.6	22.4	21.3	20.3
		kW	1.80	1.91	1.91	2.04	2.20	2.21	2.36	2.42	2.58	2.42	2.62	2.54	2.46	2.59	2.52	2.45
	70	TC	20.1	20.1	20.1	20.0	20.0	19.9	19.8	19.7	19.6	19.6	19.3	19.2	18.9	17.8	17.0	16.6
		kW	1.24	1.39	1.41	1.55	1.56	1.65	1.67	1.69	1.81	1.96	2.08	2.23	2.40	2.68	2.69	2.61
	75	TC	16.5	16.5	16.5	16.4	16.4	16.4	16.3	16.3	16.2	16.2	16.2	16.1	16.2	16.0	16.0	15.9
		kW	1.21	1.23	1.29	1.37	1.42	1.50	1.55	1.64	1.71	1.83	1.91	2.05	2.16	2.23	2.40	2.55
	80	TC	13.1	13.1	13.0	13.0	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
		kW	1.10	1.13	1.14	1.20	1.23	1.34	1.43	1.52	1.68	1.74	1.83	1.96	2.10	2.21	2.35	2.30
760	60	TC	28.9	28.9	28.4	28.4	28.4	28.3	28.2	28.7	27.5	25.9	25.8	24.3	24.2	22.9	22.0	20.8
		kW	1.84	2.02	2.09	2.21	2.27	2.33	2.46	2.53	2.60	2.48	2.64	2.57	2.54	2.57	2.51	2.44
	70	TC	22.1	22.1	22.1	22.0	22.0	21.9	21.9	21.9	21.8	21.8	21.6	21.0	20.8	19.6	18.7	18.3
		kW	1.27	1.45	1.53	1.63	1.69	1.76	1.80	1.85	1.99	2.13	2.31	2.47	2.66	2.72	2.65	2.60
	75	TC	18.2	18.2	18.2	18.1	18.1	18.1	18.1	18.0	18.0	17.9	17.9	17.9	17.8	17.8	17.7	16.8
		kW	1.30	1.32	1.39	1.47	1.53	1.62	1.67	1.77	1.89	1.98	2.10	2.22	2.34	2.45	2.64	2.65
	80	TC	14.4	14.4	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.2	14.1
		kW	1.17	1.21	1.22	1.29	1.32	1.44	1.55	1.63	1.74	1.81	1.91	2.05	2.23	2.34	2.42	2.36
860 (High Stage)	60	TC	31.7	31.7	31.2	31.2	31.2	30.9	30.9	29.4	27.9	26.7	26.6	24.9	24.5	23.2	22.2	21.1
		kW	1.99	2.24	2.26	2.40	2.46	2.46	2.60	2.59	2.63	2.57	2.66	2.60	2.64	2.57	2.51	2.45
	70	TC	24.2	24.2	24.2	24.1	24.1	24.0	24.0	23.9	23.9	23.8	23.8	23.0	21.9	21.4	20.4	19.5
		kW	1.39	1.53	1.62	1.72	1.83	1.86	1.89	2.02	2.17	2.34	2.55	2.73	2.72	2.75	2.68	2.61
	75	TC	19.9	19.9	19.8	19.8	19.7	19.7	19.7	19.6	19.6	19.6	19.6	19.6	19.5	19.5	18.9	17.3
		kW	1.34	1.43	1.50	1.59	1.65	1.74	1.76	1.92	2.04	2.14	2.28	2.40	2.55	2.69	2.78	2.75
	80	TC	15.8	15.8	15.7	15.7	15.7	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.5	15.5
		kW	1.25	1.30	1.32	1.39	1.42	1.46	1.46	1.74	1.76	1.84	1.90	2.03	2.29	2.39	2.44	2.58
1080	60	TC	36.5	36.5	36.4	36.3	35.5	33.3	31.5	30.3	28.6	27.7	27.2	25.7	26.3	24.9	23.8	22.7
		kW	2.26	2.46	2.51	2.70	2.76	2.71	2.71	2.65	2.59	2.61	2.69	2.79	2.88	2.83	2.77	2.73
	70	TC	28.6	28.6	28.6	28.3	28.3	28.2	28.0	27.7	27.4	26.6	26.2	24.7	24.4	23.7	22.6	21.5
		kW	1.75	1.85	1.98	2.10	2.20	2.26	2.30	2.47	2.61	2.60	2.89	2.83	2.76	2.80	2.74	2.68
	75	TC	24.0	24.0	23.9	23.9	23.7	23.7	23.4	23.3	23.3	23.2	23.2	23.2	22.6	20.9	19.5	17.8
		kW	1.68	1.70	1.80	1.91	1.97	2.12	2.16	2.29	2.43	2.55	2.74	2.92	3.02	2.90	2.83	2.77
	80	TC	19.1	19.0	19.0	18.9	18.8	18.8	18.8	18.8	18.7	18.7	18.6	18.6	18.5	18.5	18.5	17.6
		kW	1.49	1.54	1.57	1.65	1.71	1.75	1.75	2.05	2.12	2.21	2.30	2.41	2.68	2.85	2.79	2.76

Table 15

TC refer to total capacity kW: refer to total input power

BOVB36-18 + BVA 2.0 36 For Heating																			
Airflow (CFM)	ID (°F)	OD (°F)	86	72	67	62	57	52	47	42	37	32	27	22	17	12	7	5	
650	60	TC	29.3	29.3	29.3	29.3	29.1	28.5	28.2	28.2	28.2	27.9	27.9	26.6	25.8	23.9	22.0	20.2	
		kW	1.93	2.03	2.08	2.26	2.41	2.48	2.56	2.69	2.87	2.92	3.10	2.84	2.92	2.82	2.82	2.72	
	70	TC	22.6	22.6	22.4	22.4	22.4	22.4	22.4	22.4	22.3	22.2	22.1	22.0	22.0	22.1	22.1	21.1	19.3
		kW	1.42	1.56	1.58	1.73	1.75	1.86	1.89	2.07	2.22	2.32	2.38	2.66	2.86	3.19	3.14	3.03	
	75	TC	19.2	19.2	19.1	19.1	19.1	19.1	19.0	18.9	18.9	18.9	18.8	18.8	18.6	18.6	18.6	18.6	18.6
		kW	1.33	1.40	1.43	1.52	1.63	1.70	1.77	1.90	1.99	2.13	2.28	2.38	2.54	2.68	2.89	3.09	
80	TC	15.7	15.7	15.7	15.6	15.6	15.6	15.6	15.6	15.6	15.5	15.5	15.4	15.4	15.2	15.2	15.2	15.2	
	kW	1.18	1.23	1.25	1.28	1.37	1.45	1.54	1.75	1.88	1.96	2.07	2.23	2.40	2.52	2.69	2.65		
820 (Low Stage)	60	TC	33.6	33.6	33.1	32.8	32.8	32.7	32.7	33.1	32.3	30.5	30.0	28.1	26.1	24.2	22.4	20.8	
		kW	2.22	2.41	2.46	2.59	2.68	2.71	2.87	3.15	3.27	3.18	3.25	3.15	3.15	3.06	2.97	2.89	
	70	TC	26.4	26.4	26.4	26.3	26.3	26.3	26.2	26.0	26.0	26.0	26.0	26.0	25.2	24.6	23.8	21.8	20.3
		kW	1.57	1.68	1.80	1.93	2.00	2.08	2.20	2.34	2.55	2.71	2.89	3.11	3.29	3.29	3.18	3.09	
	75	TC	22.3	22.3	22.2	22.2	22.1	22.0	22.0	21.8	21.9	21.7	21.7	21.8	21.7	21.7	21.7	21.7	19.8
		kW	1.46	1.58	1.67	1.77	1.84	1.94	1.97	2.08	2.29	2.38	2.57	2.74	2.93	3.10	3.11	3.01	
80	TC	18.3	18.3	18.2	18.2	18.2	18.1	18.1	18.1	18.0	18.0	18.0	18.0	17.8	17.8	17.8	17.8	17.9	
	kW	1.22	1.43	1.46	1.55	1.59	1.64	1.65	1.96	1.99	2.09	2.18	2.31	2.58	2.76	2.85	3.04		
1020	60	TC	40.3	40.0	39.5	39.4	39.4	39.3	37.8	35.1	33.1	31.6	30.3	28.7	27.4	25.6	23.9	22.1	
		kW	2.29	2.48	2.63	2.83	3.04	3.26	3.28	3.17	3.12	3.04	3.12	3.04	3.00	3.02	2.95	2.87	
	70	TC	31.6	31.6	31.6	31.5	31.4	31.1	31.0	30.8	30.8	30.3	29.1	27.0	25.0	24.3	23.4	22.3	
		kW	1.80	2.08	2.17	2.34	2.42	2.52	2.66	2.70	2.93	3.14	3.42	3.37	3.23	3.13	3.05	2.96	
	75	TC	26.2	26.2	26.1	26.1	26.1	26.1	26.1	25.4	25.2	25.2	24.7	24.6	24.3	23.7	21.8	20.3	
		kW	1.56	1.86	1.96	1.99	2.02	2.16	2.21	2.24	2.44	2.60	2.84	3.05	3.26	3.16	3.12	3.03	
80	TC	21.9	21.9	21.8	21.8	21.8	21.7	21.7	21.6	21.6	21.6	21.4	21.4	21.4	21.4	21.4	20.0		
	kW	1.26	1.38	1.45	1.55	1.66	1.76	1.84	1.96	2.15	2.27	2.40	2.57	2.76	2.86	3.11	3.10		
1150 (High Stage)	60	TC	44.9	44.8	44.3	44.2	43.0	40.5	38.3	35.7	33.6	32.3	31.3	29.2	28.2	26.3	24.4	22.8	
		kW	2.77	3.28	3.33	3.45	3.53	3.45	3.42	3.23	3.14	3.08	3.14	3.06	3.09	3.02	2.95	2.88	
	70	TC	35.2	35.1	34.9	34.8	34.8	34.8	34.6	34.3	32.7	30.8	29.5	27.5	25.7	25.5	23.7	22.6	
		kW	2.10	2.33	2.41	2.53	2.61	2.71	2.76	3.10	3.15	3.16	3.38	3.35	3.21	3.13	3.05	2.97	
	75	TC	29.4	29.4	29.3	29.1	29.3	29.2	28.8	28.5	28.4	28.4	27.9	26.9	24.7	24.1	22.1	20.5	
		kW	1.73	2.08	2.18	2.20	2.29	2.38	2.44	2.56	2.78	2.97	3.25	3.33	3.24	3.15	3.06	2.98	
80	TC	24.5	24.5	24.4	24.4	24.4	24.4	24.3	24.3	24.0	24.0	23.9	24.0	24.0	24.0	22.2	20.2		
	kW	1.31	1.50	1.58	1.70	1.81	1.93	2.06	2.25	2.37	2.52	2.72	2.92	3.12	3.26	3.19	3.09		
1350	60	TC	48.6	48.5	47.7	44.9	43.3	41.2	39.0	36.7	34.1	32.8	31.8	29.9	28.8	26.7	24.8	23.2	
		kW	2.98	3.53	3.60	3.53	3.51	3.44	3.32	3.23	3.16	3.10	3.16	3.29	3.23	3.17	3.10	3.04	
	70	TC	38.7	38.7	38.6	38.3	38.3	38.2	37.8	35.4	33.5	31.4	30.6	28.9	27.9	26.4	24.5	22.9	
		kW	2.29	2.56	2.65	2.85	2.98	3.19	3.30	3.25	3.23	3.16	3.40	3.47	3.44	3.37	3.20	3.12	
	75	TC	32.9	32.9	32.8	32.8	32.4	32.4	32.3	32.1	31.8	30.1	29.5	27.8	26.0	24.5	22.5	21.0	
		kW	1.97	2.34	2.45	2.53	2.54	2.70	2.80	2.95	3.19	3.14	3.44	3.45	3.37	3.19	3.11	3.03	
80	TC	27.4	27.4	27.3	27.2	27.2	27.2	27.1	26.8	26.4	26.2	25.7	25.4	25.4	24.2	22.4	20.7		
	kW	1.52	1.73	1.82	1.95	2.06	2.22	2.37	2.41	2.61	2.87	3.11	3.32	3.40	3.31	3.23	3.14		

Table 16

TC refer to total capacity kW: refer to total input power

BOVB60-18 + BVA 2.0 36 for Heating																			
Airflow (CFM)	ID (°F)	OD (°F)	86	72	67	62	57	52	47	42	37	32	27	22	17	12	7	5	
1020	60	TC	38.9	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	37.1	34.2	32.9	31.7	
		kW	2.08	2.18	2.32	2.47	2.63	2.86	3.05	3.38	3.74	4.13	4.51	4.93	4.93	4.75	4.62	4.51	
	70	TC	30.6	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
		kW	1.66	1.78	1.91	2.05	2.18	2.33	2.49	2.69	2.91	3.23	3.45	3.78	4.15	4.58	4.75	4.87	
	75	TC	26.0	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
		kW	1.30	1.42	1.52	1.68	1.83	1.97	2.12	2.31	2.51	2.69	2.91	3.11	3.39	3.66	3.91	4.16	
	80	TC	21.6	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
		kW	1.16	1.28	1.43	1.55	1.68	1.74	1.89	2.03	2.18	2.35	2.52	2.68	2.81	2.97	3.22	3.48	
1150	60	TC	44.3	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	41.8	38.9	35.8	34.5	32.7
		kW	2.32	2.42	2.68	2.84	3.08	3.35	3.45	3.78	4.15	4.53	4.81	5.01	4.82	4.63	4.55	4.48	
	70	TC	35.4	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	34.6	33.3	31.5
		kW	1.94	2.04	2.23	2.37	2.52	2.68	2.82	3.01	3.31	3.65	3.85	4.18	4.53	4.93	4.86	4.78	
	75	TC	30.6	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
		kW	1.61	1.73	1.88	2.02	2.18	2.36	2.54	2.73	2.93	3.12	3.39	3.63	3.91	4.27	4.53	4.82	
	80	TC	25.7	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
		kW	1.43	1.55	1.64	1.74	1.86	2.01	2.18	2.36	2.52	2.72	2.91	3.10	3.27	3.47	3.69	3.98	
1350	60	TC	48.6	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	44.9	41.7	38.6	35.6	34.3	33.1
		kW	2.77	2.87	3.12	3.37	3.71	4.07	4.32	4.60	4.91	5.34	5.15	4.97	4.78	4.63	4.56	4.50	
	70	TC	38.3	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	37.3	34.3	33.1	31.9
		kW	2.32	2.42	2.57	2.71	2.86	3.03	3.22	3.57	3.92	4.25	4.59	4.93	5.13	4.95	4.88	4.81	
	75	TC	33.0	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.1	31.2
		kW	1.93	2.05	2.22	2.38	2.55	2.73	2.89	3.09	3.33	3.58	3.84	4.19	4.58	4.94	5.01	4.95	
	80	TC	28.2	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
		kW	1.65	1.77	1.94	2.09	2.26	2.41	2.56	2.75	2.93	2.15	3.36	3.63	3.91	4.21	4.38	4.54	

Table 17

TC refer to total capacity kW: refer to total input power



Not recommended to use airflows above 1350 CFM for this combination.

BOVB60-18 + BVA 2.0 48 For Heating																		
Airflow (CFM)	ID (°F)	OD (°F)	86	72	67	62	57	52	47	42	37	32	27	22	17	12	7	5
1180 (Low Stage)	60	TC	52.6	52.6	52.6	52.5	52.3	51.9	51.4	51.2	47.2	45.4	42.6	41.2	39.4	38.0	36.2	34.4
		kW	2.91	3.07	3.31	3.55	3.81	4.07	4.16	4.31	4.14	4.01	4.21	4.40	4.60	4.48	4.41	4.33
	70	TC	41.0	40.8	40.5	40.3	40.0	39.7	39.4	39.3	39.0	38.8	38.4	37.2	35.6	34.3	32.7	31.1
		kW	2.38	2.61	2.65	2.81	3.03	3.20	3.24	3.30	3.59	3.81	4.00	4.17	4.37	4.26	4.18	4.11
	75	TC	34.6	34.4	34.1	33.8	33.6	33.3	33.0	32.9	32.9	32.6	32.4	31.9	31.5	32.8	32.2	30.3
		kW	2.16	2.35	2.55	2.69	2.75	2.89	3.05	3.20	3.43	3.63	3.90	4.12	4.25	4.12	4.07	4.00
	80	TC	28.5	28.3	28.0	27.7	27.5	27.2	26.9	26.9	26.8	26.5	26.3	26.0	25.7	25.2	24.8	24.4
		kW	1.95	2.20	2.30	2.40	2.54	2.65	2.79	2.93	3.12	3.29	3.47	3.69	4.11	4.02	3.86	3.85
1330	60	TC	56.3	56.0	55.9	55.8	55.8	55.5	55.4	53.0	48.9	45.8	43.5	41.9	40.1	38.7	36.9	35.0
		kW	3.13	3.36	3.56	3.82	4.09	4.37	4.51	4.64	4.69	4.73	4.83	4.81	4.91	4.69	4.62	4.54
	70	TC	44.0	43.7	43.5	43.2	42.9	42.5	42.3	42.2	42.0	41.7	41.6	39.9	38.2	36.9	35.1	33.4
		kW	2.55	2.69	2.82	3.02	3.21	3.42	3.47	3.96	4.15	4.44	4.64	4.75	4.80	4.73	4.65	4.56
	75	TC	37.0	36.8	36.5	36.2	36.0	35.7	35.4	35.3	35.2	34.9	34.6	34.3	34.0	33.6	33.2	31.4
		kW	2.34	2.40	2.49	2.63	2.80	2.95	2.99	3.40	3.56	3.77	4.05	4.32	4.63	4.67	4.55	4.46
	80	TC	30.5	30.3	30.0	29.7	29.5	29.2	29.0	29.0	28.7	28.4	28.2	27.9	27.6	27.2	26.9	26.4
		kW	2.16	2.33	2.42	2.52	2.67	2.78	2.93	3.09	3.32	3.47	3.70	3.91	4.33	4.49	4.21	4.04
1530 (High Stage)	60	TC	59.5	59.5	59.0	58.8	58.7	58.0	57.8	53.4	49.6	46.3	44.0	42.6	40.7	39.3	37.5	35.6
		kW	3.29	3.97	4.19	4.46	4.77	5.01	4.75	4.58	4.66	4.75	4.84	5.13	5.23	5.11	5.04	4.86
	70	TC	48.5	48.3	48.0	47.6	47.4	47.0	46.7	46.7	46.5	44.6	42.3	41.0	39.1	38.5	36.6	35.0
		kW	2.78	2.96	3.13	3.33	3.47	3.60	3.63	4.11	4.65	4.59	4.80	5.02	5.17	5.10	5.01	4.93
	75	TC	40.6	40.6	40.5	40.5	40.3	40.2	40.2	39.1	39.0	38.6	38.4	38.1	37.3	36.7	36.2	34.2
		kW	2.52	2.63	2.74	2.89	3.06	3.28	3.34	3.77	3.94	4.17	4.52	4.83	5.16	5.21	5.06	4.97
	80	TC	33.6	33.4	33.1	33.1	32.9	32.9	32.8	32.5	32.2	32.2	32.0	32.0	31.9	31.7	31.4	30.2
		kW	2.32	2.53	2.62	2.74	2.89	3.03	3.19	3.42	3.63	3.82	4.08	4.30	4.75	4.96	4.83	4.78
1760	60	TC	63.4	63.2	63.0	63.0	62.8	61.5	58.7	54.5	50.3	46.5	44.1	42.7	40.9	39.5	37.6	35.7
		kW	3.89	4.20	4.25	4.38	4.50	4.59	4.54	4.60	4.67	4.77	4.86	4.90	4.95	4.83	4.75	4.68
	70	TC	52.2	52.2	52.2	52.0	52.0	51.9	51.7	50.3	47.4	44.3	42.6	42.3	40.1	39.0	37.2	35.3
		kW	3.04	3.27	3.48	3.71	3.97	4.22	4.40	4.49	4.63	4.62	4.73	5.05	5.15	5.02	4.94	4.85
	75	TC	44.6	44.6	44.6	44.5	44.5	44.2	44.1	43.1	42.9	42.5	42.3	39.5	37.8	37.2	36.6	34.6
		kW	2.75	2.99	3.03	3.22	3.42	3.63	3.71	4.17	4.37	4.65	5.05	5.33	5.18	5.23	5.09	4.99
	80	TC	36.5	36.2	35.7	36.4	35.9	35.6	35.3	35.2	35.1	34.8	34.5	34.2	33.9	32.7	32.0	30.8
		kW	2.52	2.57	2.66	2.79	2.96	3.11	3.24	3.55	3.69	3.75	3.86	4.13	4.42	4.84	4.80	4.77
1900	60	TC	68.9	68.8	68.5	65.1	64.4	62.1	59.4	54.7	50.8	47.4	45.0	43.6	41.9	40.5	38.5	36.6
		kW	4.33	4.37	4.64	4.65	4.80	4.75	4.70	4.76	4.85	4.88	4.87	4.91	4.96	4.84	4.76	4.69
	70	TC	54.5	54.5	54.5	54.4	54.4	53.9	53.9	50.5	47.9	45.7	43.3	42.8	41.0	39.6	37.7	35.8
		kW	3.63	3.55	3.81	4.06	4.33	4.58	4.71	4.75	4.87	4.91	4.93	5.13	5.13	4.99	4.90	4.82
	75	TC	45.7	45.7	45.7	45.6	45.6	45.5	45.3	45.2	45.2	44.1	43.0	40.0	38.4	37.8	36.9	35.0
		kW	3.01	3.10	3.30	3.49	3.74	3.96	4.12	4.34	4.48	4.70	5.16	5.22	5.13	5.18	5.04	4.94
	80	TC	39.3	39.0	39.0	38.7	38.7	38.6	38.2	37.9	37.6	36.5	35.8	35.3	35.3	33.3	32.4	30.9
		kW	2.76	2.74	2.87	3.02	3.19	3.40	3.51	3.76	4.03	4.02	4.35	4.65	4.79	4.83	4.78	4.78

Table 18

TC refer to total capacity kW: refer to total input power

BOVB60 18 +BVA 2.0 60 for Heating																		
Airflow (CFM)	ID (°F)	OD (°F)	86	72	67	62	57	52	47	42	37	32	27	22	17	12	7	5
1160	60	TC	53.7	53.7	53.7	53.6	53.6	53.3	53.1	53.1	52.5	48.9	46.3	42.6	41.5	39.7	38.5	36.3
		kW	2.90	3.28	3.53	3.79	4.06	4.29	4.32	4.44	4.81	4.71	5.00	5.59	5.30	5.16	5.03	4.84
	70	TC	42.6	42.6	42.5	42.5	42.4	42.4	42.3	42.2	42.2	42.0	39.9	37.4	34.9	34.0	33.2	32.5
		kW	2.31	2.45	2.60	2.76	2.94	3.14	3.40	3.67	3.92	4.18	4.39	4.50	4.54	4.47	4.40	4.32
	75	TC	35.3	35.3	35.3	35.2	35.2	35.2	35.1	35.0	35.0	35.0	34.9	34.7	34.7	33.0	31.6	29.8
		kW	2.00	2.06	2.18	2.31	2.47	2.61	2.78	2.97	3.25	3.45	3.83	3.92	4.29	3.79	3.64	3.53
	80	TC	28.3	28.3	28.2	28.2	28.2	28.1	28.0	27.9	27.8	27.8	27.8	27.8	27.8	27.7	27.6	27.6
		kW	1.74	1.82	1.91	2.01	2.12	2.23	2.39	2.52	2.70	2.84	3.04	3.22	3.43	3.64	3.91	3.83
1320 (Low Stage)	60	TC	59.2	59.2	59.2	58.8	58.6	58.5	58.4	57.8	53.1	49.5	46.8	43.5	42.2	41.5	39.4	36.7
		kW	3.04	3.63	3.90	4.14	4.44	4.74	4.80	4.85	4.72	4.78	5.28	5.50	5.32	5.15	4.98	4.81
	70	TC	46.7	46.7	46.7	46.7	46.6	46.6	46.5	46.3	46.1	46.1	43.8	41.0	38.3	37.3	36.4	34.1
		kW	2.34	2.66	2.83	3.02	3.24	3.48	3.74	4.04	4.33	4.63	5.07	5.34	5.39	5.37	5.28	5.09
	75	TC	38.7	38.7	38.7	38.7	38.6	38.6	38.5	38.5	38.5	38.5	38.1	38.2	38.2	37.1	35.8	33.5
		kW	2.01	2.24	2.37	2.52	2.68	2.84	3.02	3.32	3.57	3.79	4.16	4.34	4.75	5.47	5.28	5.09
	80	TC	31.1	31.1	31.0	31.0	31.0	30.9	30.9	30.9	30.8	30.8	30.8	30.8	30.5	30.4	30.4	30.2
		kW	1.82	1.95	2.06	2.17	2.30	2.44	2.58	2.74	2.94	3.10	3.34	3.54	3.73	4.00	4.31	4.30
1520	60	TC	64.0	64.0	63.5	63.5	62.9	62.4	61.9	59.1	56.1	52.5	49.2	47.2	44.1	42.6	39.6	37.7
		kW	3.32	4.00	4.30	4.53	4.90	4.97	4.98	4.98	4.92	4.87	5.30	5.34	5.18	5.02	4.86	4.75
	70	TC	52.0	51.9	51.9	51.8	51.8	51.8	51.7	51.5	51.3	51.1	48.7	45.3	42.2	40.8	39.8	37.8
		kW	2.59	3.10	3.28	3.51	3.76	3.90	4.13	4.53	4.79	4.86	5.00	5.14	5.19	5.09	5.01	4.90
	75	TC	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.7	42.6	42.4	42.4	42.4	41.4	39.3	37.6	36.5
		kW	2.11	2.52	2.64	2.80	2.98	3.18	3.44	3.72	3.96	4.22	4.59	4.91	5.25	5.30	5.11	4.96
	80	TC	34.6	34.6	34.6	34.6	34.5	34.5	34.5	34.2	34.5	34.5	34.5	34.0	34.0	34.0	34.0	34.0
		kW	1.98	2.18	2.28	2.40	2.56	2.69	2.86	3.04	3.28	3.50	3.76	3.93	4.20	4.40	4.37	4.32
1750 (High Stage)	60	TC	68.6	68.1	68.0	67.5	67.5	66.6	64.2	60.9	57.5	53.8	50.8	47.6	44.3	43.1	41.5	39.0
		kW	3.54	4.17	4.42	4.78	5.01	5.05	4.98	4.98	4.94	4.80	5.30	5.42	5.42	5.28	5.20	5.01
	70	TC	57.2	57.1	56.9	56.4	56.2	55.4	55.2	54.6	53.8	52.1	49.5	46.2	42.5	40.9	39.9	38.2
		kW	2.73	3.32	3.53	3.83	4.10	4.22	4.43	4.66	4.87	4.94	5.14	5.23	5.28	5.23	5.15	5.04
	75	TC	47.8	47.8	47.8	47.7	47.6	47.6	47.5	46.9	46.8	46.2	44.5	44.3	41.7	39.8	38.1	37.1
		kW	2.45	2.90	3.05	3.24	3.46	3.70	3.95	4.09	4.19	4.36	4.78	5.17	5.42	5.42	5.20	5.04
	80	TC	38.6	38.6	38.5	38.4	38.3	38.3	38.2	38.1	38.0	37.8	37.5	37.7	37.6	37.4	36.3	35.7
		kW	2.23	2.42	2.53	2.67	2.93	3.08	3.26	3.51	3.79	3.96	4.14	4.31	4.60	4.78	4.69	4.54
1880	60	TC	74.2	73.5	73.5	73.0	71.1	67.6	65.6	62.4	57.8	54.0	53.4	52.3	49.0	45.5	42.1	40.1
		kW	3.66	4.45	4.71	5.08	5.04	4.95	4.94	4.89	4.81	4.70	5.29	5.35	5.39	5.25	5.11	4.97
	70	TC	57.6	57.5	57.2	57.1	56.5	56.6	56.4	56.5	55.8	53.7	50.3	47.0	43.8	41.7	40.6	39.4
		kW	2.83	3.48	3.69	3.96	4.32	4.30	4.64	5.13	5.07	4.94	5.09	5.23	5.28	5.18	5.10	4.99
	75	TC	50.5	50.3	49.8	49.6	49.3	48.9	48.8	48.3	48.2	47.2	45.6	44.9	42.6	40.9	38.6	37.6
		kW	2.98	3.27	3.49	3.58	3.86	4.00	4.11	4.18	4.53	4.87	5.37	5.60	5.75	5.80	5.52	5.49
	80	TC	41.4	41.4	41.3	41.3	41.1	40.9	40.7	40.5	39.9	39.7	39.2	39.5	40.2	38.7	38.2	36.7
		kW	2.58	2.71	2.82	3.12	3.14	3.36	3.42	3.72	3.94	4.02	4.34	4.64	4.83	5.13	5.40	5.31

Table 19

TC refer to total capacity kW: refer to total input power

5 Model & Part Numbers

BOSCH BOVB 18 MODEL OUTDOOR UNIT		
Model Number	Part Number	Description
BOVB-36HDN1-M18M	8733955036	36 kBTU/hr (3 ton), Inverter Condensing Unit BOVB
BOVB-60HDN1-M18M	8733955037	60 kBTU/hr (5 ton), Inverter Condensing Unit BOVB

Table 20

BOSCH BVA 2.0 MODEL INDOOR UNIT		
Model Number	Part Number	Description
BVA-24WN1-M20	8733952439	24 kBTU/hr (2 ton), Air Handler Unit, 20 SEER, x13 ECM
BVA-36WN1-M20	8733952440	36 kBTU/hr (3 ton), Air Handler Unit, 20 SEER, x13 ECM
BVA-48WN1-M20	8733952441	48 kBTU/hr (4 ton), Air Handler Unit, 20 SEER, x13 ECM
BVA-60WN1-M20	8733952442	60 kBTU/hr (5 ton), Air Handler Unit, 20 SEER, x13 ECM

Table 21

BOSCH BVA 15 MODEL INDOOR UNIT		
Model Number	Part Number	Description
BVA-24WN1-M15	8733955038	24 kBTU/hr (2 ton), Air Handler Unit, 15 SEER, PSC
BVA-36WN1-M15	8733955039	36 kBTU/hr (3 ton), Air Handler Unit, 15 SEER, PSC
BVA-48WN1-M15	8733955040	48 kBTU/hr (4 ton), Air Handler Unit, 15 SEER, PSC
BVA-60WN1-M15	8733955041	60 kBTU/hr (5 ton), Air Handler Unit, 15 SEER, PSC

Table 22

6 AHRI 210/240 Performance Data

Inverter Ducted Split AHRI 210/240 Performance Data										
System Configuration	Outdoor Unit Model	Indoor Unit Model	Furnace Model	Cooling Capacity (BTU/h)			Heating Capacity			CFM
		Coils/Air Handlers		Total	EER ¹	SEER ²	Hi	HSPF ³	Low ⁴	
BOVB 18 with BVA15	BOVB-36HDN1-M18M	BVA-24WN1-M15	/	24000	11.8	16	24000	9	21200	850
	BOVB-36HDN1-M18M	BVA-36WN1-M15	/	33600	10.4	15	35000	9	25000	1210
	BOVB-60HDN1-M18M	BVA-48WN1-M15	/	47000	11.2	15.5	48000	9	38000	1510
	BOVB-60HDN1-M18M	BVA-60WN1-M15	/	55000	10.2	15	56000	9	40500	1830
BOVB 18 with BVA2.0	BOVB-36HDN1-M18M	BVA-24WN1-M20	/	24000	13.0	18.5	24000	9.5	21600	860/680
	BOVB-36HDN1-M18M	BVA-36WN1-M20	/	34200	10.8	17.5	34200	9.0	25000	1150/820
	BOVB-60HDN1-M18M	BVA-36WN1-M20	/	35200	12.5	18.5	35200	10.5	24000	1150/820
	BOVB-60HDN1-M18M	BVA-48WN1-M20	/	47000	12.5	18.5	46500	9.5	38000	1530/1150
	BOVB-60HDN1-M18M	BVA-60WN1-M20	/	56000	10.8	17.5	55000	9.5	40500	1750/1350
BOVB 18 with Cased Coil	BOVB-36HDN1-M18M	BMA*2430ANTD	/	23400	11.50	15.00	24000	9.00	17200	700
	BOVB-36HDN1-M18M	BMA*2430BNTD	/	23400	11.50	15.00	24000	9.00	17200	700
	BOVB-36HDN1-M18M	BMA*3036ANTD	/	32000	10.00	14.50	35000	9.00	22000	900
	BOVB-36HDN1-M18M	BMA*3036BNTD	/	32400	10.00	14.50	35000	9.00	23000	1000
	BOVB-36HDN1-M18M	BMA*3036CNTD	/	32400	10.00	14.50	35000	9.00	23000	1000
	BOVB-36HDN1-M18M	BMA*4248BNTF	/	32400	10.00	15.00	35000	9.00	23000	1000
	BOVB-36HDN1-M18M	BMA*4248CNTF	/	32400	10.00	15.00	35000	9.00	23000	1000
	BOVB-60HDN1-M18M	BMA*4248BNTF	/	44500	11.00	16.00	45500	9.50	31000	1150
	BOVB-60HDN1-M18M	BMA*4248CNTF	/	46000	11.00	16.00	47000	9.50	32000	1300
	BOVB-60HDN1-M18M	BMA*4248DNTF	/	46000	11.00	16.00	48000	9.50	32000	1400
	BOVB-60HDN1-M18M	BMA*4860CNTF	/	54000	10.50	16.00	55500	9.50	32000	1300
	BOVB-60HDN1-M18M	BMA*4860DNTF	/	55000	10.50	16.00	56000	9.50	39000	1500
BOVB 18 with 96% Gas Furnace	BOVB-36HDN1-M18M	BMA*2430ANTD	BGH96M060B3A	23600	12.50	18.00	24000	9.50	17200	820/630
	BOVB-36HDN1-M18M	BMA*2430ANTD	BGH96M080B3A	23600	12.50	18.00	24000	9.50	17200	800/580
	BOVB-36HDN1-M18M	BMA*2430BNTD	BGH96M060B3A	24000	12.50	18.00	24000	9.50	17200	860/680
	BOVB-36HDN1-M18M	BMA*2430BNTD	BGH96M080B3A	24000	12.50	18.00	24000	9.50	17200	840/630
	BOVB-36HDN1-M18M	BMA*3036ANTD	BGH96M060B3A	33000	10.50	16.50	34200	9.00	22600	1050/800
	BOVB-36HDN1-M18M	BMA*3036ANTD	BGH96M080B3A	33000	10.50	16.50	34200	9.00	22600	1020/800
	BOVB-36HDN1-M18M	BMA*3036BNTD	BGH96M060B3A	33600	10.60	16.50	34200	9.00	23000	1100/850
	BOVB-36HDN1-M18M	BMA*3036BNTD	BGH96M080B3A	33600	10.60	16.50	34200	9.00	23000	1070/850
	BOVB-36HDN1-M18M	BMA*3036CNTD	BGH96M080C4A	34000	10.60	16.50	34200	9.00	23000	1050/820
	BOVB-36HDN1-M18M	BMA*3036CNTD	BGH96M100C5A	34000	10.60	16.50	34200	9.00	23000	1150/750
	BOVB-60HDN1-M18M	BMA*4248BNTF	BGH96M080B3A	43000	10.50	17.50	45500	9.00	31000	1250/1050
	BOVB-60HDN1-M18M	BMA*4248CNTF	BGH96M080C4A	43000	11.00	18.00	45500	9.00	31000	1250/1050
	BOVB-60HDN1-M18M	BMA*4248CNTF	BGH96M100C5A	45000	11.20	18.00	47000	9.00	31400	1450/1150
	BOVB-60HDN1-M18M	BMA*4248DNTF	BGH96M100D5A	45500	11.20	18.00	47000	9.00	32000	1500/1200
	BOVB-60HDN1-M18M	BMA*4248DNTF	BGH96M120D5A	45500	11.20	18.00	47000	9.00	32000	1500/1200
	BOVB-60HDN1-M18M	BMA*4860CNTF	BGH96M100C5A	52500	10.00	17.00	53500	9.50	37000	1450/1150
	BOVB-60HDN1-M18M	BMA*4860DNTF	BGH96M100D5A	53000	10.50	17.50	54000	9.50	38000	1500/1200
	BOVB-60HDN1-M18M	BMA*4860DNTF	BGH96M120D5A	53000	10.50	17.50	54000	9.50	38000	1500/1200

Table 23

¹ Energy Efficiency Ratio; Certified per AHRI 210/240² Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240³³ HSPF = Heating Seasonal Performance Factor; Certified per AHRI 210/240⁴ Jumper cut or dip switch off

Items in bold boxes meet the requirements for ENERGY STAR

7 Suction Corrected Factor

Model Size		2 Ton	3 Ton	4 Ton	5 Ton
BOVB - Suction Line Connection Size		3/4	3/4	7/8	7/8
Suction Line Run - Feet		3/4 STD	3/4 STD	7/8 STD	7/8 STD
		5/8 OPT	5/8 OPT	3/4 OPT	3/4 OPT
25'	Standard	1.00	1.00	1.00	1.00
	Optional	1.00	0.99	0.99	0.98
50'	Standard	0.99	0.99	0.99	0.99
	Optional	0.99	0.98	0.98	0.97
100'	Standard	0.99	0.98	0.98	0.97
	Optional	0.98	0.95	0.97	0.95

Table 24

Std: Standard size

Opt: Optional size



Using suction line larger than shown in chart will result in poor oil return and is not recommended.

8 Sound Data

Model	Sound Power Level [dB(A)]	Full Octave Linear Sound Power Level dB -Center Frequency -Hz								Sound Power Level [dB(A)] with Sound Blanket
		63	125	250	500	1000	2000	4000	8000	
3 Ton	56 (Low)	52.2	42.7	47.8	48.4	43.7	45.2	41.9	37.6	Sound Blanket - Standard
	77 (High)	72.9	66.7	67.1	67.8	65.8	61.4	59.4	52.1	
5 Ton	60 (Low)	56	49	51.2	52.1	51.1	49.4	45.5	42.8	
	79 (High)	75.8	68.1	70.8	70.8	69	63.7	63	56.8	

Table 25 IDS BOVB 18 Outdoor Unit Sound Power Level

9 Dimensions

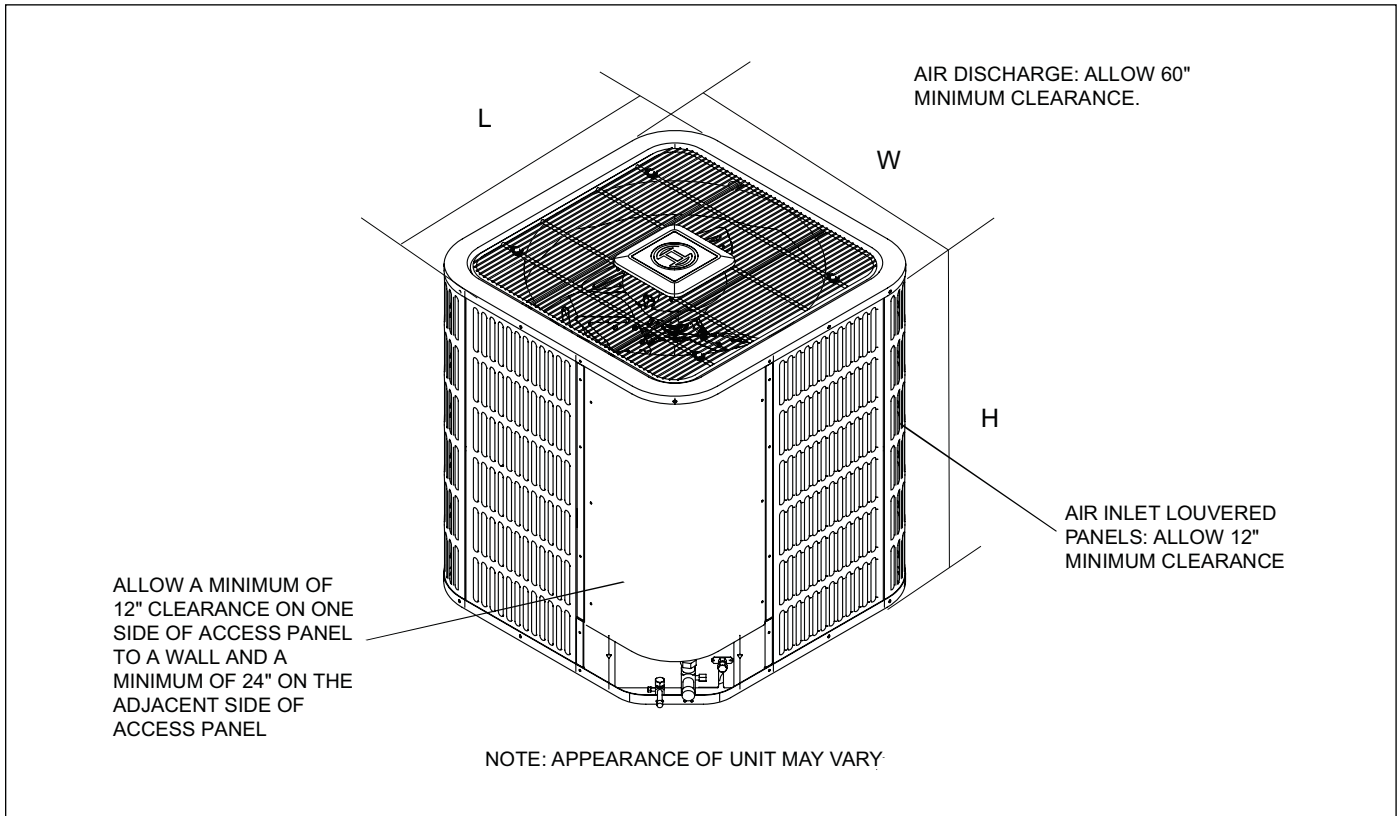


Figure 2

Model Size	Dimensions (Inches)		
	"H" in. [mm]	"W" in. [mm]	"L" in. [mm]
Heat Pump			
BOVB36-18	24-15/16 [633]	29-1/8 [740]	29-1/8 [740]
BOVB60-18	33-3/16 [843]	29-1/8 [740]	29-1/8 [740]

Table 26

United States and Canada

**Bosch Thermotechnology Corp.
65 Grove St.
Watertown, MA 02472**

**Tel: 866-642-3198
Fax: 603-965-7581
www.bosch-thermotechnology.us**