



TSA - 6 to 20 Ton
EXPANDED RATING TABLES - 60HZ

ENGINEERING DATA

January 2011
Bulletin No. 210524R



072-090 Models



120-150 Models



180-240 Models

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NOTE - Due to Lennox' ongoing commitment to quality, Ratings are subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

TSA072S4SN + TAA072S4S (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temper- ature	Outdoor Air Temperature Entering Outdoor Coil																				
	Total Air Volume	85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	1920	70.3	4.86	0.68	0.83	0.99	67	5.39	0.69	0.86	1	63.5	5.99	0.71	0.89	1	59.6	6.67	0.73	0.93	1
	2400	73.8	4.88	0.73	0.92	1	70.4	5.42	0.75	0.95	1	66.7	6.02	0.77	0.99	1	62.5	6.7	0.81	1	1
	2880	76.5	4.9	0.78	1	1	73	5.43	0.81	1	1	69.4	6.03	0.84	1	1	65.6	6.73	0.88	1	1
67°F	1920	74.4	4.89	0.54	0.66	0.79	70.9	5.42	0.55	0.67	0.82	67.2	6.02	0.55	0.69	0.85	63	6.7	0.57	0.71	0.88
	2400	77.7	4.9	0.57	0.7	0.88	74.1	5.44	0.58	0.72	0.91	70.1	6.04	0.59	0.75	0.95	65.7	6.73	0.6	0.78	0.99
	2880	80.4	4.92	0.59	0.76	0.96	76.4	5.45	0.6	0.78	0.99	72.3	6.06	0.62	0.81	1	67.7	6.74	0.64	0.85	1
71°F	1920	78.6	4.91	0.41	0.52	0.64	75	5.45	0.41	0.53	0.65	71.1	6.05	0.42	0.54	0.66	66.9	6.74	0.42	0.55	0.68
	2400	82.1	4.93	0.42	0.55	0.68	78.4	5.47	0.42	0.56	0.7	74.3	6.08	0.43	0.58	0.72	69.6	6.76	0.43	0.59	0.75
	2880	85	4.95	0.43	0.58	0.73	80.9	5.49	0.43	0.59	0.75	76.5	6.1	0.44	0.61	0.78	71.5	6.78	0.45	0.63	0.82

TSA090S4SN + TAA090S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	2400	88.8	5.78	0.67	0.82	0.96	85	6.41	0.69	0.84	0.99	80.8	7.13	0.71	0.87	1	76.4	7.93	0.72	0.9	1
	3000	92.8	5.86	0.73	0.9	1	88.7	6.49	0.75	0.93	1	84.2	7.19	0.76	0.96	1	79.3	7.99	0.79	0.98	1
	3600	95.9	5.92	0.77	0.97	1	91.6	6.54	0.8	0.99	1	87.3	7.26	0.83	1	1	82.7	8.07	0.86	1	1
67°F	2400	93.7	5.88	0.54	0.65	0.78	89.8	6.51	0.55	0.67	0.8	85.2	7.22	0.56	0.68	0.83	80.5	8.02	0.57	0.7	0.86
	3000	98	5.96	0.57	0.7	0.87	93.4	6.58	0.58	0.72	0.89	88.6	7.29	0.59	0.74	0.92	83.5	8.08	0.6	0.76	0.95
	3600	100.5	6.01	0.6	0.75	0.94	95.8	6.63	0.61	0.78	0.97	91.1	7.34	0.61	0.8	0.99	85.9	8.13	0.63	0.83	1
71°F	2400	98.6	5.98	0.39	0.52	0.63	94.3	6.6	0.42	0.53	0.65	89.9	7.31	0.42	0.54	0.66	84.7	8.11	0.42	0.55	0.68
	3000	103.1	6.06	0.43	0.56	0.68	98.4	6.69	0.43	0.57	0.7	93.4	7.39	0.43	0.58	0.72	87.9	8.18	0.43	0.59	0.74
	3600	106	6.12	0.44	0.59	0.73	100.9	6.74	0.44	0.6	0.76	95.5	7.44	0.44	0.61	0.78	89.9	8.23	0.46	0.63	0.81

TSA090S4SN + TAA120S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	2400	89.8	5.79	0.67	0.82	0.97	85.9	6.42	0.69	0.84	0.99	81.6	7.13	0.7	0.87	1	76.9	7.93	0.72	0.9	1
	3000	94	5.87	0.73	0.91	1	89.7	6.5	0.75	0.94	1	85.2	7.2	0.76	0.96	1	80.3	8	0.8	0.99	1
	3600	97.2	5.93	0.78	0.98	1	92.8	6.56	0.8	1	1	88.7	7.28	0.84	1	1	84	8.09	0.87	1	1
67°F	2400	95	5.89	0.53	0.65	0.78	90.9	6.52	0.54	0.67	0.8	86.2	7.22	0.55	0.68	0.83	81.5	8.03	0.56	0.7	0.86
	3000	99.4	5.98	0.56	0.7	0.87	94.8	6.6	0.58	0.72	0.9	89.7	7.3	0.59	0.74	0.93	84.5	8.09	0.6	0.76	0.96
	3600	102	6.03	0.59	0.76	0.95	97.2	6.65	0.61	0.76	0.98	92.3	7.35	0.62	0.81	1	86.9	8.15	0.63	0.84	1
71°F	2400	100	5.99	0.41	0.52	0.63	95.6	6.62	0.42	0.53	0.64	91.2	7.33	0.41	0.54	0.65	86.2	8.13	0.41	0.55	0.68
	3000	104.5	6.08	0.42	0.55	0.68	99.8	6.7	0.42	0.56	0.7	94.7	7.4	0.43	0.57	0.71	89.3	8.19	0.43	0.59	0.73
	3600	107.7	6.15	0.43	0.59	0.73	102.7	6.76	0.43	0.6	0.75	97.1	7.46	0.45	0.61	0.78	91.2	8.24	0.45	0.62	0.82

TSA090S4SN (2) + TAA180S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	4800	91.1	4.63	0.66	0.79	0.93	87.8	5.13	0.67	0.81	0.95	84.5	5.69	0.68	0.82	0.97	80.8	6.31	0.69	0.84	0.99
	6000	95.3	4.71	0.7	0.86	1	92	5.2	0.71	0.88	1	88.3	5.76	0.73	0.9	1	84.2	6.38	0.74	0.93	1
	7200	98.4	4.76	0.74	0.93	1	94.9	5.26	0.76	0.95	1	91	5.81	0.78	0.97	1	86.9	6.43	0.8	0.99	1
67°F	4800	95.7	4.72	0.53	0.64	0.75	92.4	5.21	0.54	0.65	0.77	88.9	5.77	0.54	0.66	0.79	84.9	6.39	0.55	0.67	0.81
	6000	100.2	4.8	0.56	0.68	0.82	96.6	5.29	0.56	0.69	0.84	92.7	5.84	0.57	0.7	0.87	88.5	6.46	0.58	0.72	0.89
	7200	103.4	4.85	0.58	0.72	0.89	99.5	5.34	0.59	0.74	0.91	95.6	5.89	0.59	0.76	0.94	91.1	6.52	0.61	0.78	0.96
71°F	4800	100.3	4.8	0.41	0.52	0.62	96.9	5.29	0.42	0.52	0.63	93	5.85	0.42	0.53	0.64	89.1	6.47	0.42	0.54	0.65
	6000	105	4.88	0.42	0.54	0.66	101.2	5.37	0.42	0.55	0.67	97.1	5.93	0.43	0.56	0.68	92.8	6.55	0.43	0.57	0.7
	7200	108.2	4.94	0.43	0.57	0.7	104.3	5.43	0.42	0.58	0.71	100.1	5.98	0.44	0.58	0.73	95.6	6.6	0.44	0.6	0.75

TSA090S4SN (2) + TAA180S4D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	4800	168.9	11.38	0.68	0.82	0.97	161.6	12.62	0.69	0.84	0.99	153.5	14.04	0.71	0.87	1	144.8	15.67	0.72	0.9	1
	6000	176.5	11.51	0.73	0.9	1	168.4	12.76	0.74	0.93	1	159.8	14.17	0.77	0.95	1	150.9	15.79	0.79	0.99	1
	7200	182	11.61	0.78	0.97	1	173.8	12.86	0.8	0.99	1	165	14.28	0.83	1	1	156.5	15.9	0.86	1	1
67°F	4800	177.7	11.54	0.54	0.66	0.79	169.8	12.78	0.55	0.67	0.81	161.8	14.21	0.56	0.69	0.83	152.4	15.81	0.57	0.7	0.86
	6000	185.5	11.68	0.57	0.7	0.87	177.1	12.93	0.58	0.72	0.89	168.3	14.34	0.59	0.74	0.92	158.3	15.95	0.6	0.77	0.95
	7200	191.2	11.79	0.59	0.76	0.94	182.2	13.03	0.61	0.78	0.96	172.5	14.43	0.62	0.8	0.99	163	16.03	0.63	0.83	1
71°F	4800	186.1	11.69	0.42	0.53	0.64	178.2	12.94	0.42	0.54	0.65	169.4	14.37	0.42	0.55	0.67	160.1	15.98	0.43	0.56	0.68
	6000	194.3	11.85	0.43	0.56	0.68	185.5	13.1	0.43	0.57	0.7	176.4	14.52	0.43	0.58	0.72	166.5	16.12	0.44	0.59	0.74
	7200	200.2	11.96	0.44	0.58	0.73	191.1	13.21	0.44	0.6	0.75	181.4	14.62	0.45	0.61	0.78	170.9	16.22	0.44	0.63	0.81

TS120S4SN + TAA120S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	3200	113.2	7.09	0.71	0.85	0.99	108.2	7.89	0.73	0.87	1	102.8	8.8	0.74	0.9	1	97.2	9.85	0.76	0.93	1				
	4000	118.5	7.18	0.76	0.93	1	112.9	7.98	0.78	0.96	1	107.3	8.89	0.8	0.98	1	101.2	9.93	0.82	1	1				
	4800	122.7	7.25	0.82	0.99	1	117	8.05	0.84	1	1	111.9	8.98	0.86	1	1	106.1	10.02	0.9	1	1				
67°F	3200	119.9	7.21	0.56	0.69	0.82	114.6	8.01	0.57	0.7	0.84	108.8	8.92	0.58	0.72	0.87	102.7	9.96	0.59	0.74	0.89				
	4000	125.3	7.3	0.59	0.74	0.9	119.5	8.1	0.6	0.76	0.92	113.1	9	0.62	0.78	0.95	106.3	10.03	0.63	0.8	0.98				
	4800	128.9	7.38	0.63	0.8	0.97	122.5	8.16	0.64	0.82	0.99	116.5	9.06	0.65	0.84	1	109.6	10.09	0.67	0.87	1				
71°F	3200	126.4	7.32	0.43	0.55	0.66	120.9	8.12	0.43	0.56	0.68	114.7	9.03	0.43	0.57	0.7	108.1	10.06	0.44	0.58	0.72				
	4000	131.7	7.43	0.44	0.58	0.71	125.8	8.23	0.45	0.59	0.74	119.6	9.13	0.45	0.61	0.76	112.3	10.14	0.45	0.62	0.78				
	4800	136.1	7.51	0.45	0.62	0.77	129.3	8.29	0.46	0.63	0.8	122.5	9.19	0.46	0.64	0.82	114.8	10.19	0.47	0.66	0.85				

TS120S4SN (2) + TAA240S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		65°F						75°F						85°F						95°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	6400	120.3	5.69	0.7	0.82	0.95	115.9	6.34	0.71	0.84	0.97	111.4	7.06	0.72	0.86	0.99	106.5	7.87	0.73	0.87	1				
	8000	125.9	5.79	0.74	0.89	1	121.3	6.43	0.75	0.91	1	116.5	7.14	0.77	0.93	1	111.2	7.95	0.78	0.96	1				
	9600	130.3	5.87	0.78	0.96	1	125.1	6.5	0.8	0.98	1	119.9	7.21	0.82	0.99	1	114.4	8.01	0.84	1	1				
67°F	6400	127.2	5.81	0.56	0.67	0.79	122.6	6.45	0.56	0.68	0.8	117.9	7.17	0.57	0.69	0.82	112.6	7.97	0.58	0.71	0.84				
	8000	133.2	5.92	0.58	0.72	0.86	128.2	6.55	0.59	0.73	0.87	123.1	7.27	0.6	0.75	0.9	117.2	8.06	0.61	0.76	0.92				
	9600	137.6	6	0.61	0.77	0.92	132.2	6.63	0.62	0.78	0.95	126.5	7.33	0.63	0.8	0.97	120.6	8.13	0.64	0.82	0.99				
71°F	6400	134.2	5.93	0.43	0.54	0.65	129.4	6.58	0.43	0.55	0.66	124.1	7.28	0.43	0.55	0.67	118.5	8.09	0.44	0.56	0.68				
	8000	140.3	6.04	0.44	0.57	0.69	134.8	6.68	0.44	0.57	0.71	129.5	7.38	0.44	0.58	0.72	123.4	8.18	0.45	0.6	0.74				
	9600	144.9	6.13	0.45	0.6	0.74	139	6.76	0.45	0.61	0.76	133.2	7.46	0.46	0.62	0.77	127.1	8.25	0.47	0.64	0.8				

TS120S4SN (2) + TAA240S4D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	6400	222.2	14.12	0.72	0.86	0.99	212.4	15.74	0.73	0.87	1	202	17.55	0.75	0.9	1	190.7	19.67	0.77	0.93	1				
	8000	232.4	14.29	0.77	0.93	1	221.8	15.9	0.78	0.96	1	210.8	17.72	0.81	0.98	1	198	19.79	0.83	1	1				
	9600	239.1	14.41	0.82	0.99	1	228.2	16.01	0.84	1	1	217.7	17.86	0.86	1	1	206.9	19.95	0.89	1	1				
67°F	6400	235.2	14.34	0.57	0.69	0.82	224.6	15.94	0.58	0.71	0.84	214	17.78	0.58	0.72	0.86	202.2	19.86	0.6	0.74	0.89				
	8000	245.5	14.54	0.6	0.75	0.9	233.8	16.12	0.61	0.76	0.92	222.5	17.94	0.63	0.78	0.95	209.1	20	0.64	0.81	0.98				
	9600	252.3	14.67	0.63	0.8	0.97	240.5	16.25	0.64	0.82	0.99	228.2	18.04	0.66	0.84	1	214.3	20.09	0.67	0.87	1				
71°F	6400	247.5	14.57	0.43	0.55	0.67	236.5	16.17	0.44	0.56	0.68	225.3	18	0.44	0.57	0.7	213	20.06	0.45	0.59	0.72				
	8000	258.3	14.77	0.44	0.58	0.72	246.1	16.36	0.45	0.6	0.74	233.5	18.16	0.45	0.61	0.76	220.1	20.2	0.46	0.62	0.79				
	9600	265.8	14.93	0.46	0.62	0.77	253.5	16.51	0.47	0.64	0.8	240.6	18.3	0.46	0.65	0.82	225.7	20.32	0.47	0.66	0.85				

TSA120S4DN + (2) CBX27UH060 (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	1600	59.9	2.68	0.71	0.83	0.95	58	3.04	0.72	0.85	0.96	55.8	3.43	0.74	0.86	0.98	53.5	3.87	0.75	0.88	1
	2000	63.1	2.72	0.75	0.89	1	60.8	3.07	0.77	0.91	1	58.6	3.46	0.78	0.93	1	56	3.91	0.8	0.95	1
	2400	65.5	2.74	0.79	0.94	1	63.4	3.1	0.81	0.96	1	61	3.5	0.83	0.98	1	58.4	3.94	0.85	1	1
67°F	1600	63	2.72	0.58	0.69	0.8	60.9	3.07	0.58	0.7	0.82	58.7	3.46	0.59	0.71	0.83	56.1	3.91	0.59	0.73	0.85
	2000	66.3	2.75	0.6	0.73	0.86	64	3.11	0.61	0.74	0.88	61.4	3.5	0.62	0.76	0.9	58.7	3.95	0.63	0.78	0.92
	2400	68.7	2.78	0.62	0.77	0.92	66.2	3.14	0.63	0.79	0.93	63.5	3.53	0.64	0.81	0.96	60.6	3.98	0.66	0.83	0.98
71°F	1600	66.1	2.75	0.44	0.56	0.67	63.9	3.11	0.44	0.57	0.68	61.4	3.5	0.45	0.57	0.69	58.8	3.95	0.45	0.58	0.7
	2000	69.5	2.79	0.45	0.59	0.71	67	3.15	0.46	0.59	0.72	64.3	3.55	0.46	0.6	0.74	61.4	3.99	0.46	0.61	0.76
	2400	72	2.82	0.46	0.61	0.75	69.3	3.18	0.47	0.62	0.77	66.5	3.58	0.47	0.63	0.78	63.4	4.02	0.48	0.65	0.81

TSA120S4DN + (2) CBX27UH060 (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	3200	111.6	6.86	0.74	0.86	0.98	106.9	7.74	0.75	0.88	1	101.8	8.77	0.76	0.91	1	96.3	9.94	0.78	0.93	1
	4000	117.2	6.93	0.78	0.93	1	112.1	7.82	0.8	0.95	1	106.9	8.84	0.82	0.97	1	101	10	0.84	1	1
	4800	121.9	7	0.83	0.98	1	116.8	7.89	0.85	1	1	111.3	8.91	0.87	1	1	105.6	10.09	0.9	1	1
67°F	3200	117.3	6.93	0.59	0.71	0.83	112.3	7.82	0.59	0.73	0.85	106.8	8.84	0.6	0.74	0.88	101.1	10.02	0.62	0.76	0.9
	4000	122.8	7.01	0.62	0.76	0.9	117.4	7.9	0.63	0.78	0.92	111.5	8.91	0.64	0.8	0.95	105.1	10.08	0.65	0.82	0.97
	4800	127	7.07	0.64	0.81	0.96	121.1	7.96	0.66	0.83	0.98	115	8.97	0.67	0.85	1	108.1	10.13	0.69	0.88	1
71°F	3200	122.8	7.01	0.45	0.57	0.69	117.5	7.9	0.45	0.58	0.7	111.8	8.91	0.45	0.59	0.72	105.7	10.09	0.46	0.6	0.74
	4000	128.7	7.09	0.46	0.6	0.74	122.9	7.98	0.46	0.61	0.76	116.7	8.99	0.47	0.63	0.78	110.1	10.17	0.48	0.64	0.8
	4800	132.9	7.16	0.47	0.63	0.78	126.8	8.04	0.48	0.65	0.81	120.4	9.05	0.48	0.66	0.83	113.3	10.21	0.49	0.68	0.86

TSA120S4DN + (2) CBX32M-060 (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	1600	60.4	2.69	0.71	0.83	0.94	58.2	3.04	0.72	0.84	0.96	55.9	3.43	0.73	0.86	0.98	53.4	3.87	0.74	0.88	0.99
	2000	63.5	2.72	0.75	0.88	1	61.1	3.07	0.76	0.9	1	58.5	3.46	0.77	0.92	1	55.9	3.91	0.79	0.94	1
	2400	65.8	2.75	0.79	0.94	1	63.3	3.1	0.8	0.96	1	60.7	3.49	0.82	0.97	1	57.7	3.94	0.83	0.99	1
67°F	1600	63.8	2.73	0.57	0.68	0.8	61.4	3.08	0.57	0.69	0.81	59	3.47	0.58	0.7	0.82	56.3	3.91	0.59	0.72	0.84
	2000	67	2.76	0.59	0.72	0.85	64.4	3.12	0.6	0.74	0.87	61.7	3.51	0.61	0.75	0.89	58.7	3.95	0.62	0.77	0.91
	2400	69.3	2.79	0.61	0.76	0.91	66.4	3.14	0.62	0.78	0.93	63.6	3.53	0.63	0.79	0.95	60.5	3.98	0.65	0.82	0.97
71°F	1600	67	2.76	0.44	0.55	0.66	64.6	3.12	0.44	0.56	0.67	62	3.51	0.45	0.56	0.68	59.2	3.95	0.45	0.57	0.69
	2000	70.4	2.8	0.45	0.58	0.7	67.7	3.16	0.45	0.58	0.71	64.9	3.56	0.46	0.59	0.73	61.9	4	0.46	0.6	0.74
	2400	72.8	2.84	0.46	0.6	0.74	70	3.19	0.46	0.61	0.76	66.9	3.58	0.47	0.62	0.77	63.8	4.03	0.47	0.64	0.79

TSA120S4DN + (2) CBX32M-060 (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	3200	111.9	6.86	0.73	0.86	0.98	106.8	7.75	0.74	0.88	0.99	101.6	8.76	0.76	0.9	1	95.7	9.94	0.78	0.92	1
	4000	117	6.93	0.77	0.92	1	111.8	7.81	0.79	0.94	1	106.2	8.83	0.81	0.97	1	99.9	10	0.83	0.99	1
	4800	121.3	6.99	0.82	0.97	1	115.4	7.87	0.83	0.99	1	109.6	8.89	0.86	1	1	103.8	10.05	0.89	1	1
67°F	3200	118	6.94	0.58	0.7	0.82	112.6	7.83	0.59	0.72	0.84	106.9	8.84	0.6	0.73	0.86	100.9	10.01	0.61	0.75	0.89
	4000	123.3	7.02	0.61	0.75	0.89	117.4	7.9	0.62	0.77	0.91	111.4	8.91	0.63	0.79	0.94	104.7	10.08	0.64	0.81	0.96
	4800	127.2	7.07	0.63	0.79	0.95	120.9	7.95	0.65	0.82	0.97	114.6	8.97	0.66	0.84	0.99	107.8	10.12	0.68	0.86	1
71°F	3200	124	7.03	0.45	0.56	0.68	118.4	7.91	0.45	0.57	0.69	112.6	8.93	0.45	0.58	0.71	106.3	10.09	0.46	0.59	0.73
	4000	129.8	7.11	0.46	0.59	0.73	123.7	8	0.46	0.6	0.74	117.3	9.01	0.47	0.62	0.76	110.4	10.17	0.47	0.63	0.79
	4800	133.8	7.17	0.47	0.62	0.77	127.4	8.06	0.47	0.64	0.79	120.7	9.06	0.48	0.65	0.82	113.3	10.22	0.49	0.67	0.85

TSA120S4DN + (2) CBX32MV-068 (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		65°F						75°F						85°F						95°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	1600	60.6	2.69	0.7	0.81	0.93	58.5	3.04	0.71	0.83	0.94	56.1	3.43	0.72	0.84	0.96	53.7	3.87	0.73	0.86	0.98				
	2000	63.8	2.72	0.73	0.86	0.99	61.4	3.07	0.74	0.88	1	58.9	3.47	0.76	0.9	1	56.3	3.91	0.77	0.92	1				
	2400	66.1	2.75	0.76	0.91	1	63.7	3.1	0.78	0.93	1	61	3.49	0.8	0.96	1	58.1	3.93	0.81	0.98	1				
67°F	1600	63.8	2.72	0.56	0.67	0.78	61.6	3.07	0.57	0.68	0.79	59.2	3.47	0.58	0.7	0.81	56.5	3.91	0.58	0.71	0.83				
	2000	66.7	2.76	0.59	0.71	0.83	64.4	3.11	0.59	0.72	0.85	61.7	3.5	0.6	0.73	0.87	58.9	3.95	0.61	0.75	0.89				
	2400	69.2	2.78	0.6	0.74	0.88	66.6	3.14	0.61	0.76	0.9	63.9	3.54	0.62	0.77	0.92	60.9	3.98	0.63	0.79	0.95				
71°F	1600	67.4	2.76	0.44	0.55	0.65	65	3.12	0.44	0.55	0.66	62.5	3.51	0.45	0.56	0.67	59.6	3.96	0.45	0.57	0.69				
	2000	70.6	2.8	0.45	0.57	0.69	68	3.16	0.45	0.58	0.7	65.2	3.55	0.45	0.59	0.71	62.1	3.99	0.46	0.59	0.73				
	2400	72.7	2.83	0.46	0.59	0.72	69.9	3.18	0.45	0.6	0.74	66.9	3.58	0.47	0.61	0.75	63.6	4.02	0.47	0.62	0.77				

TSA120S4DN + (2) CBX32MV-068 (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	3200	112.3	6.86	0.72	0.84	0.96	107.3	7.74	0.73	0.86	0.98	102.2	8.76	0.74	0.88	1	96.4	9.93	0.76	0.91	1				
	4000	117.8	6.93	0.76	0.9	1	112.5	7.81	0.77	0.92	1	106.8	8.83	0.79	0.95	1	100.4	9.99	0.81	0.98	1				
	4800	122	6.99	0.8	0.96	1	116.2	7.87	0.81	0.98	1	110	8.88	0.83	1	1	104	10.05	0.86	1	1				
67°F	3200	118.4	6.94	0.58	0.7	0.81	113.1	7.83	0.58	0.71	0.83	107.3	8.83	0.59	0.72	0.85	101	10	0.6	0.74	0.87				
	4000	123.3	7	0.6	0.73	0.87	117.9	7.9	0.61	0.75	0.89	111.9	8.91	0.62	0.77	0.92	105.4	10.08	0.63	0.79	0.95				
	4800	127.7	7.07	0.62	0.77	0.92	121.8	7.96	0.63	0.79	0.95	115.4	8.97	0.65	0.81	0.98	108.4	10.12	0.66	0.84	1				
71°F	3200	124.8	7.03	0.45	0.56	0.67	119.2	7.91	0.45	0.57	0.68	113.2	8.93	0.45	0.57	0.7	106.8	10.09	0.46	0.58	0.72				
	4000	130.4	7.11	0.45	0.59	0.71	124.1	7.99	0.46	0.59	0.73	117.7	9	0.47	0.61	0.74	110.3	10.15	0.47	0.62	0.77				
	4800	133.7	7.16	0.47	0.61	0.75	127.1	8.04	0.47	0.62	0.77	120.2	9.05	0.48	0.64	0.79	113.3	10.21	0.48	0.65	0.82				

TSA120S4DN + (2) CH33-62D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		65°F						75°F						85°F						95°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	1600	55.2	2.68	0.7	0.81	0.92	53.3	3.04	0.71	0.82	0.94	51.2	3.43	0.72	0.84	0.96	48.8	3.87	0.73	0.86	0.98				
	2000	58.2	2.72	0.73	0.86	0.98	56	3.07	0.74	0.88	1	53.7	3.46	0.76	0.9	1	51.2	3.9	0.77	0.92	1				
	2400	60.3	2.75	0.77	0.91	1	57.9	3.1	0.78	0.93	1	55.4	3.49	0.79	0.95	1	52.8	3.93	0.81	0.98	1				
67°F	1600	58.1	2.72	0.56	0.68	0.78	56	3.07	0.57	0.68	0.79	53.8	3.47	0.58	0.69	0.81	51.4	3.91	0.58	0.71	0.83				
	2000	61.2	2.76	0.59	0.71	0.83	58.9	3.11	0.59	0.72	0.85	56.5	3.5	0.6	0.73	0.86	53.8	3.95	0.61	0.75	0.89				
	2400	63.5	2.79	0.61	0.74	0.88	61	3.14	0.61	0.76	0.9	58.4	3.54	0.62	0.77	0.92	55.7	3.98	0.63	0.79	0.95				
71°F	1600	61.2	2.76	0.44	0.55	0.65	59.1	3.11	0.44	0.55	0.66	56.7	3.51	0.44	0.56	0.67	54.1	3.95	0.45	0.57	0.68				
	2000	64.4	2.8	0.45	0.57	0.69	62	3.16	0.45	0.58	0.7	59.5	3.55	0.45	0.58	0.71	56.7	4	0.46	0.6	0.73				
	2400	66.8	2.84	0.46	0.59	0.72	64.2	3.19	0.46	0.6	0.74	61.4	3.58	0.46	0.61	0.75	58.5	4.03	0.47	0.62	0.77				

TSA120S4DN + (2) CH33-62D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	3200	102.3	6.86	0.72	0.84	0.96	97.7	7.74	0.73	0.86	0.98	92.9	8.76	0.74	0.88	1	87.7	9.93	0.76	0.9	1				
	4000	107.4	6.93	0.76	0.9	1	102.3	7.81	0.77	0.92	1	97.1	8.83	0.79	0.94	1	91.4	10	0.81	0.97	1				
	4800	110.8	6.98	0.79	0.95	1	105.6	7.86	0.81	0.98	1	100.3	8.88	0.83	1	1	94.3	10.04	0.86	1	1				
67°F	3200	107.5	6.93	0.58	0.69	0.81	102.7	7.82	0.58	0.71	0.83	97.5	8.83	0.59	0.72	0.85	92.3	10.01	0.6	0.74	0.87				
	4000	112.9	7.01	0.6	0.73	0.86	107.6	7.9	0.61	0.75	0.89	102.2	8.91	0.62	0.77	0.91	96.4	10.08	0.63	0.79	0.94				
	4800	116.8	7.07	0.62	0.77	0.92	111.3	7.96	0.63	0.79	0.95	105.6	8.97	0.65	0.81	0.97	99.1	10.13	0.66	0.84	1				
71°F	3200	113.3	7.02	0.44	0.56	0.67	108.4	7.91	0.45	0.57	0.68	103	8.92	0.45	0.58	0.7	97.3	10.1	0.45	0.59	0.71				
	4000	118.9	7.11	0.45	0.58	0.71	113.3	7.99	0.46	0.6	0.73	107.5	9.01	0.46	0.61	0.75	101.3	10.16	0.47	0.62	0.77				
	4800	122.7	7.17	0.46	0.61	0.75	117.1	8.05	0.47	0.62	0.77	110.9	9.07	0.47	0.64	0.79	104	10.22	0.48	0.65	0.82				

TSA120S4DN + (2) CH23-68 (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	1600	55.4	2.69	0.71	0.83	0.94	53.2	3.04	0.72	0.84	0.96	51	3.43	0.73	0.86	0.98	48.7	3.88	0.74	0.88	0.99
	2000	58.2	2.73	0.75	0.89	1	55.9	3.08	0.76	0.91	1	53.5	3.47	0.78	0.93	1	51	3.91	0.79	0.95	1
	2400	60.3	2.76	0.79	0.95	1	57.9	3.11	0.81	0.96	1	55.4	3.5	0.82	0.98	1	52.9	3.94	0.84	1	1
67°F	1600	58.7	2.73	0.57	0.68	0.8	56.4	3.09	0.57	0.69	0.81	54.1	3.48	0.58	0.71	0.83	51.6	3.92	0.59	0.72	0.85
	2000	61.6	2.77	0.6	0.73	0.86	59.1	3.13	0.6	0.74	0.88	56.6	3.52	0.61	0.75	0.9	53.8	3.96	0.62	0.77	0.92
	2400	63.7	2.8	0.62	0.77	0.92	61.1	3.15	0.63	0.79	0.94	58.4	3.55	0.64	0.8	0.96	55.5	3.99	0.65	0.82	0.98
71°F	1600	62.1	2.78	0.44	0.55	0.66	59.8	3.13	0.44	0.56	0.67	57.2	3.53	0.44	0.57	0.68	54.6	3.97	0.44	0.58	0.7
	2000	65.2	2.82	0.45	0.58	0.71	62.5	3.18	0.45	0.59	0.72	59.9	3.57	0.45	0.6	0.73	57	4.01	0.46	0.61	0.75
	2400	67.4	2.86	0.46	0.61	0.75	64.6	3.21	0.46	0.62	0.77	61.7	3.6	0.47	0.63	0.78	58.7	4.04	0.47	0.64	0.8

TSA120S4DN + (2) CH23-68 (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	3200	102	6.87	0.73	0.86	0.98	97.4	7.75	0.74	0.88	0.99	92.5	8.77	0.76	0.9	1	87	9.93	0.78	0.93	1
	4000	106.9	6.94	0.78	0.93	1	101.9	7.82	0.79	0.95	1	96.7	8.84	0.81	0.97	1	91.2	10	0.84	0.99	1
	4800	110.8	7	0.82	0.98	1	105.8	7.88	0.84	1	1	100.8	8.91	0.87	1	1	95.3	10.08	0.89	1	1
67°F	3200	108.2	6.96	0.58	0.71	0.83	103.2	7.85	0.59	0.72	0.85	97.9	8.86	0.6	0.73	0.87	92.2	10.01	0.61	0.75	0.9
	4000	113.2	7.04	0.61	0.75	0.9	107.6	7.92	0.62	0.77	0.92	102	8.93	0.63	0.79	0.94	95.8	10.09	0.65	0.82	0.97
	4800	116.8	7.09	0.64	0.8	0.96	111	7.98	0.65	0.82	0.98	104.9	8.97	0.67	0.85	1	98.5	10.13	0.68	0.88	1
71°F	3200	114.4	7.05	0.44	0.57	0.68	109.2	7.94	0.44	0.58	0.7	103.7	8.96	0.45	0.58	0.71	97.7	10.12	0.45	0.6	0.73
	4000	119.7	7.14	0.45	0.6	0.73	113.9	8.03	0.46	0.61	0.75	107.9	9.04	0.47	0.62	0.77	101.4	10.19	0.47	0.64	0.8
	4800	123.4	7.21	0.47	0.63	0.78	117.3	8.09	0.47	0.64	0.8	110.9	9.09	0.48	0.66	0.83	104.1	10.24	0.49	0.67	0.86

TSA120S4DN + (2) CX34-60D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	1600	55.2	2.69	0.7	0.82	0.94	53.2	3.04	0.71	0.84	0.95	51.2	3.43	0.72	0.85	0.97	48.9	3.87	0.74	0.87	0.99
	2000	58.1	2.72	0.74	0.88	1	55.9	3.07	0.75	0.89	1	53.5	3.46	0.76	0.91	1	51.1	3.9	0.78	0.93	1
	2400	60.2	2.75	0.78	0.93	1	57.9	3.1	0.79	0.95	1	55.5	3.49	0.81	0.97	1	52.9	3.93	0.83	0.99	1
67°F	1600	58.4	2.72	0.57	0.68	0.79	56.3	3.08	0.57	0.69	0.8	54.1	3.47	0.58	0.7	0.82	51.6	3.91	0.58	0.71	0.84
	2000	61.2	2.76	0.59	0.71	0.84	58.9	3.11	0.59	0.73	0.86	56.5	3.51	0.6	0.74	0.88	53.8	3.95	0.61	0.76	0.9
	2400	63.2	2.79	0.61	0.75	0.89	60.9	3.14	0.62	0.77	0.92	58.3	3.53	0.63	0.79	0.94	55.5	3.98	0.64	0.81	0.96
71°F	1600	61.7	2.76	0.44	0.55	0.66	59.4	3.12	0.44	0.55	0.66	57.1	3.51	0.45	0.56	0.68	54.5	3.96	0.45	0.57	0.69
	2000	64.7	2.81	0.45	0.57	0.69	62.2	3.16	0.45	0.58	0.71	59.5	3.55	0.45	0.59	0.72	56.7	4	0.46	0.6	0.74
	2400	66.9	2.84	0.46	0.6	0.73	64.2	3.19	0.46	0.61	0.74	61.5	3.59	0.47	0.62	0.77	58.5	4.03	0.47	0.63	0.78

TSA120S4DN + (2) CX34-60D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	3200	102.3	6.86	0.72	0.85	0.97	97.7	7.74	0.74	0.87	0.99	92.9	8.76	0.75	0.89	1	87.6	9.93	0.77	0.92	1
	4000	107	6.92	0.76	0.91	1	102.3	7.81	0.78	0.93	1	97	8.83	0.8	0.96	1	91.4	10	0.82	0.99	1
	4800	110.9	6.99	0.81	0.97	1	105.7	7.87	0.83	0.99	1	100.2	8.87	0.85	1	1	94.9	10.06	0.87	1	1
67°F	3200	108.1	6.94	0.58	0.7	0.82	103.3	7.83	0.58	0.71	0.84	98	8.84	0.59	0.73	0.86	92.3	10	0.6	0.74	0.88
	4000	112.9	7.01	0.6	0.74	0.88	107.6	7.89	0.61	0.76	0.9	101.9	8.91	0.62	0.78	0.93	96.1	10.07	0.64	0.8	0.96
	4800	116.5	7.07	0.63	0.79	0.94	111	7.96	0.64	0.81	0.97	105	8.96	0.65	0.83	0.99	98.5	10.11	0.67	0.85	1
71°F	3200	114.1	7.03	0.45	0.56	0.67	108.9	7.92	0.45	0.57	0.69	103.3	8.93	0.45	0.58	0.7	97.2	10.08	0.46	0.59	0.72
	4000	119	7.11	0.45	0.59	0.72	113.4	7.99	0.46	0.6	0.74	107.7	9.01	0.47	0.61	0.76	101.2	10.16	0.47	0.63	0.78
	4800	122.9	7.17	0.47	0.62	0.77	116.9	8.06	0.47	0.63	0.79	110.6	9.06	0.48	0.64	0.81	103.7	10.22	0.48	0.66	0.84

TSA120S4DN + (2) CX34-62D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		65°F						75°F						85°F						95°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	1600	55.2	2.69	0.7	0.82	0.93	53.3	3.04	0.71	0.83	0.95	51.2	3.44	0.72	0.85	0.97	48.9	3.88	0.74	0.87	0.99				
	2000	58.2	2.73	0.74	0.87	1	56	3.08	0.75	0.89	1	53.7	3.47	0.76	0.91	1	51.2	3.91	0.78	0.93	1				
	2400	60.4	2.76	0.78	0.93	1	58	3.11	0.79	0.95	1	55.5	3.5	0.81	0.97	1	52.9	3.94	0.83	0.99	1				
67°F	1600	58.3	2.73	0.57	0.68	0.79	56.1	3.08	0.57	0.69	0.8	53.8	3.47	0.58	0.7	0.82	51.4	3.92	0.58	0.71	0.83				
	2000	61.1	2.77	0.59	0.72	0.84	58.9	3.12	0.59	0.73	0.86	56.4	3.51	0.6	0.74	0.88	53.9	3.96	0.61	0.76	0.9				
	2400	63.5	2.8	0.61	0.75	0.89	61	3.15	0.62	0.77	0.91	58.3	3.55	0.63	0.79	0.94	55.6	3.99	0.64	0.81	0.96				
71°F	1600	61.5	2.77	0.44	0.55	0.65	59.3	3.13	0.44	0.56	0.67	56.9	3.52	0.44	0.56	0.67	54.3	3.97	0.45	0.57	0.69				
	2000	64.7	2.81	0.45	0.57	0.69	62.2	3.17	0.45	0.58	0.71	59.6	3.56	0.46	0.59	0.72	56.7	4.01	0.46	0.6	0.74				
	2400	67	2.85	0.46	0.6	0.73	64.3	3.2	0.46	0.61	0.75	61.5	3.6	0.47	0.62	0.77	58.5	4.04	0.47	0.63	0.79				

TSA120S4DN + (2) CX34-62D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	3200	102.3	6.88	0.72	0.85	0.97	97.7	7.76	0.73	0.87	0.99	92.8	8.77	0.75	0.89	1	87.5	9.94	0.77	0.92	1				
	4000	107.3	6.95	0.76	0.91	1	102.4	7.83	0.78	0.93	1	97.1	8.84	0.8	0.96	1	91.4	10.01	0.82	0.99	1				
	4800	111	7	0.81	0.97	1	105.8	7.89	0.83	0.99	1	100.2	8.9	0.85	1	1	95	10.06	0.87	1	1				
67°F	3200	107.7	6.95	0.58	0.7	0.82	102.8	7.84	0.58	0.71	0.83	97.4	8.85	0.59	0.73	0.86	92.1	10.02	0.61	0.75	0.88				
	4000	112.9	7.03	0.6	0.74	0.88	107.6	7.92	0.61	0.76	0.9	102	8.93	0.63	0.78	0.93	96.1	10.1	0.64	0.8	0.96				
	4800	116.6	7.09	0.63	0.79	0.94	111.1	7.97	0.64	0.81	0.96	105.1	8.99	0.65	0.83	0.99	98.9	10.14	0.67	0.85	1				
71°F	3200	113.7	7.04	0.44	0.56	0.67	108.6	7.93	0.45	0.57	0.69	103.1	8.94	0.45	0.58	0.7	97.2	10.1	0.45	0.59	0.72				
	4000	119.1	7.13	0.46	0.59	0.72	113.4	8.02	0.46	0.6	0.74	107.5	9.02	0.46	0.61	0.76	101.1	10.18	0.47	0.63	0.78				
	4800	122.9	7.2	0.47	0.62	0.77	117	8.08	0.47	0.63	0.79	110.5	9.08	0.48	0.64	0.81	103.5	10.23	0.49	0.66	0.83				

TSA120S4DN + TAA120S4D- (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		65°F						75°F						85°F						95°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	3200	61.8	2.75	0.64	0.78	0.94	59.4	3.1	0.65	0.8	0.96	56.9	3.5	0.66	0.82	0.99	54.3	3.95	0.68	0.85	1				
	4000	64.7	2.78	0.69	0.87	1	62.2	3.14	0.7	0.89	1	59.5	3.53	0.72	0.92	1	56.7	3.98	0.74	0.95	1				
	4800	67.1	2.81	0.74	0.95	1	64.4	3.17	0.76	0.97	1	61.6	3.56	0.78	1	1	58.8	4.01	0.81	1	1				
67°F	3200	65.4	2.79	0.51	0.62	0.73	62.9	3.15	0.52	0.63	0.75	60.3	3.55	0.52	0.64	0.77	57.5	3.99	0.53	0.66	0.8				
	4000	68.6	2.83	0.54	0.67	0.83	65.9	3.19	0.54	0.68	0.84	63	3.58	0.55	0.69	0.88	59.9	4.03	0.56	0.71	0.91				
	4800	70.8	2.86	0.56	0.71	0.91	67.8	3.22	0.57	0.73	0.94	64.7	3.61	0.59	0.75	0.97	61.4	4.06	0.59	0.78	0.99				
71°F	3200	69	2.84	0.39	0.5	0.6	66.3	3.19	0.39	0.5	0.61	63.6	3.59	0.4	0.51	0.62	60.5	4.04	0.4	0.52	0.64				
	4000	72.3	2.88	0.4	0.53	0.65	69.3	3.24	0.41	0.53	0.66	66.2	3.63	0.41	0.54	0.67	63.1	4.08	0.41	0.55	0.69				
	4800	74.4	2.91	0.41	0.55	0.69	71.4	3.27	0.42	0.56	0.7	68.2	3.67	0.42	0.57	0.73	64.8	4.11	0.43	0.59	0.75				

TSA120S4DN + TAA120S4D- (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	3200	113.4	6.99	0.67	0.82	0.99	108.3	7.9	0.68	0.85	1	102.6	8.92	0.69	0.88	1	96.6	10.1	0.71	0.92	1				
	4000	118.7	7.07	0.72	0.92	1	113	7.96	0.74	0.95	1	107.1	8.99	0.77	0.98	1	100.8	10.16	0.79	1	1				
	4800	122.8	7.13	0.78	1	1	117.2	8.03	0.81	1	1	111.8	9.07	0.84	1	1	105.8	10.25	0.88	1	1				
67°F	3200	120.3	7.09	0.52	0.64	0.77	114.7	7.99	0.53	0.66	0.8	108.4	9.01	0.54	0.67	0.83	102.2	10.19	0.55	0.69	0.87				
	4000	125.6	7.17	0.55	0.69	0.88	119.5	8.06	0.56	0.71	0.91	112.7	9.08	0.58	0.73	0.94	105.7	10.25	0.59	0.76	0.98				
	4800	129	7.22	0.59	0.75	0.97	122.4	8.11	0.59	0.78	0.99	115.8	9.13	0.61	0.81	1	108.8	10.31	0.62	0.86	1				
71°F	3200	126.8	7.19	0.4	0.51	0.62	120.7	8.08	0.4	0.52	0.64	114.5	9.11	0.4	0.53	0.65	107.8	10.29	0.41	0.54	0.67				
	4000	132	7.27	0.41	0.54	0.67	125.9	8.17	0.41	0.55	0.69	119	9.19	0.42	0.57	0.71	111.5	10.35	0.43	0.58	0.74				
	4800	136.1	7.34	0.42	0.58	0.73	129.2	8.23	0.43	0.59	0.75	122.1	9.24	0.43	0.6	0.79	114.1	10.4	0.44	0.62	0.83				

TSA150S4DN + TAA120S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	4000	72.9	3.64	0.63	0.77	0.96	70.3	4.05	0.63	0.8	0.98	67.5	4.5	0.64	0.82	1	64.4	5	0.66	0.85	1
	5000	76.4	3.66	0.67	0.88	1	73.7	4.06	0.68	0.9	1	70.6	4.51	0.7	0.93	1	67.4	5.01	0.72	0.97	1
	6000	79.1	3.67	0.73	0.97	1	76.2	4.07	0.75	0.99	1	73.2	4.52	0.77	1	1	70	5.01	0.8	1	1
67°F	4000	77.3	3.66	0.5	0.6	0.73	74.6	4.07	0.5	0.61	0.75	71.7	4.51	0.51	0.62	0.77	68.5	5.01	0.52	0.64	0.8
	5000	81	3.67	0.52	0.65	0.83	78.1	4.08	0.53	0.66	0.86	74.7	4.52	0.54	0.67	0.88	71.4	5.02	0.55	0.69	0.92
	6000	83.5	3.69	0.55	0.69	0.92	80.4	4.09	0.56	0.71	0.95	77.2	4.53	0.57	0.74	0.98	73.4	5.02	0.58	0.77	1
71°F	4000	81.7	3.68	0.38	0.48	0.59	78.9	4.08	0.38	0.49	0.59	75.8	4.53	0.38	0.49	0.6	72.6	5.02	0.38	0.5	0.62
	5000	85.4	3.69	0.39	0.51	0.63	82.3	4.09	0.39	0.52	0.64	79	4.54	0.39	0.53	0.65	75.3	5.03	0.4	0.53	0.67
	6000	88	3.71	0.4	0.54	0.67	84.9	4.1	0.4	0.54	0.68	81.3	4.54	0.41	0.56	0.71	77.7	5.04	0.41	0.57	0.74

TSA150S4DN + TAA120S4D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	4000	135.1	8.99	0.64	0.82	1	128.8	9.99	0.66	0.85	1	122.2	11.1	0.67	0.89	1	115	12.36	0.7	0.94	1
	5000	141.2	9.01	0.7	0.93	1	134.9	10.01	0.72	0.97	1	128	11.12	0.75	1	1	120.6	12.37	0.79	1	1
	6000	146.5	9.03	0.77	1	1	140.2	10.02	0.8	1	1	133.7	11.14	0.84	1	1	126.8	12.4	0.88	1	1
67°F	4000	143.5	9.02	0.51	0.62	0.77	137.1	10.02	0.52	0.64	0.8	129.7	11.12	0.52	0.65	0.84	122.1	12.39	0.54	0.67	0.88
	5000	149.5	9.04	0.54	0.67	0.88	142.8	10.03	0.55	0.69	0.92	135.3	11.15	0.56	0.72	0.96	126.7	12.39	0.57	0.75	0.99
	6000	154.4	9.06	0.57	0.74	0.98	146.8	10.04	0.58	0.77	1	138.9	11.16	0.59	0.8	1	130.3	12.41	0.61	0.85	1
71°F	4000	151.7	9.05	0.39	0.49	0.6	145.2	10.04	0.38	0.5	0.62	137.4	11.15	0.39	0.51	0.63	129.8	12.42	0.4	0.52	0.65
	5000	158.1	9.07	0.39	0.53	0.65	150.9	10.06	0.4	0.53	0.67	143.1	11.17	0.4	0.55	0.69	134.7	12.44	0.41	0.56	0.72
	6000	162.7	9.08	0.41	0.56	0.71	155.5	10.07	0.41	0.57	0.74	147.2	11.19	0.42	0.58	0.77	137.8	12.45	0.43	0.59	0.82

TSA150S4DN + TAA150S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	4000	75.5	3.65	0.68	0.82	0.96	73	4.06	0.69	0.83	0.98	70.2	4.51	0.7	0.85	1	67.1	5.01	0.71	0.88	1
	5000	79.2	3.66	0.72	0.89	1	76.6	4.07	0.74	0.92	1	73.6	4.52	0.75	0.94	1	70.4	5.02	0.77	0.97	1
	6000	82.3	3.68	0.77	0.97	1	79.6	4.09	0.79	0.99	1	76.5	4.53	0.81	1	1	73.1	5.03	0.84	1	1
67°F	4000	80.5	3.67	0.54	0.65	0.78	77.7	4.08	0.54	0.66	0.79	74.7	4.52	0.55	0.67	0.81	71.4	5.03	0.56	0.69	0.83
	5000	84.1	3.68	0.56	0.69	0.85	81.3	4.09	0.57	0.71	0.87	78	4.54	0.58	0.73	0.9	74.2	5.03	0.59	0.74	0.93
	6000	86.9	3.7	0.6	0.75	0.93	83.5	4.1	0.6	0.76	0.95	80.3	4.54	0.61	0.78	0.98	76.6	5.04	0.62	0.81	1
71°F	4000	85.5	3.69	0.41	0.53	0.63	82.4	4.09	0.41	0.53	0.64	79.1	4.54	0.42	0.53	0.65	75.8	5.04	0.41	0.54	0.66
	5000	89.2	3.7	0.42	0.55	0.68	86.1	4.11	0.43	0.56	0.69	82.7	4.55	0.43	0.57	0.7	79	5.05	0.43	0.58	0.72
	6000	92.1	3.72	0.43	0.58	0.73	88.7	4.12	0.43	0.59	0.73	85.2	4.56	0.44	0.6	0.76	81.3	5.06	0.44	0.61	0.78

TSA150S4DN + TAA150S4D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	4000	140.4	9.01	0.7	0.85	1	134.2	10.02	0.71	0.88	1	127.4	11.14	0.73	0.9	1	120	12.4	0.75	0.94	1
	5000	147.3	9.04	0.75	0.94	1	140.9	10.04	0.77	0.97	1	133.8	11.15	0.8	0.99	1	126	12.41	0.83	1	1
	6000	153.1	9.06	0.81	1	1	146.2	10.04	0.84	1	1	139.8	11.17	0.87	1	1	132.4	12.44	0.9	1	1
67°F	4000	149.4	9.04	0.55	0.67	0.81	142.9	10.04	0.56	0.69	0.83	135.6	11.16	0.57	0.7	0.86	127.2	12.43	0.58	0.73	0.9
	5000	156.1	9.06	0.58	0.73	0.9	148.5	10.06	0.59	0.74	0.93	141	11.18	0.61	0.77	0.96	132.4	12.44	0.61	0.8	0.99
	6000	160.7	9.08	0.61	0.78	0.98	153.2	10.07	0.62	0.81	1	144.9	11.19	0.64	0.84	1	136.2	12.45	0.65	0.87	1
71°F	4000	158.3	9.07	0.42	0.53	0.65	151.6	10.07	0.41	0.54	0.66	144	11.18	0.42	0.56	0.68	135.5	12.44	0.43	0.57	0.7
	5000	165.4	9.1	0.43	0.57	0.7	158	10.09	0.43	0.58	0.72	150	11.21	0.43	0.59	0.74	140.9	12.48	0.44	0.61	0.77
	6000	170.4	9.11	0.44	0.6	0.76	162.6	10.11	0.44	0.61	0.78	153.9	11.22	0.45	0.62	0.81	144.2	12.47	0.46	0.64	0.84

TSA150S4DN + TAA180S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																						
		65°F						75°F						85°F						95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)					
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb					
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F		
63°F	4000	75.5	3.65	0.68	0.82	0.97	72.9	4.06	0.69	0.83	0.98	69.9	4.51	0.7	0.85	1	66.7	5.01	0.71	0.88	1			
	5000	79.1	3.66	0.72	0.9	1	76.3	4.07	0.73	0.92	1	73.1	4.52	0.75	0.94	1	69.9	5.01	0.77	0.97	1			
	6000	81.9	3.67	0.77	0.97	1	79.2	4.08	0.79	0.98	1	75.9	4.52	0.81	1	1	72.5	5.02	0.83	1	1			
67°F	4000	79.7	3.66	0.54	0.65	0.78	77	4.07	0.54	0.66	0.79	74	4.52	0.55	0.67	0.81	70.8	5.02	0.56	0.69	0.83			
	5000	83.7	3.68	0.56	0.7	0.86	80.8	4.08	0.57	0.71	0.87	77.4	4.53	0.58	0.72	0.9	73.8	5.02	0.59	0.74	0.93			
	6000	86.4	3.69	0.59	0.74	0.93	83.2	4.09	0.6	0.76	0.95	80	4.54	0.61	0.78	0.97	76.2	5.03	0.62	0.81	1			
71°F	4000	84	3.68	0.41	0.53	0.63	81.1	4.09	0.42	0.53	0.64	78	4.53	0.42	0.54	0.65	74.5	5.03	0.42	0.54	0.66			
	5000	88	3.7	0.42	0.55	0.67	85	4.1	0.42	0.56	0.69	81.7	4.54	0.43	0.57	0.7	77.9	5.04	0.42	0.58	0.72			
	6000	91.1	3.71	0.43	0.58	0.72	87.8	4.11	0.43	0.59	0.73	84.1	4.55	0.44	0.6	0.75	80.2	5.05	0.43	0.61	0.78			

TSA150S4DN + TAA180S4D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																						
		85°F						95°F						105°F						115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)					
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb					
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F		
63°F	4000	139.5	9.01	0.7	0.85	1	133.3	10.02	0.71	0.88	1	126.7	11.14	0.73	0.9	1	119.2	12.4	0.75	0.94	1			
	5000	146.4	9.04	0.75	0.94	1	140	10.04	0.77	0.97	1	133	11.15	0.8	0.99	1	125.3	12.41	0.83	1	1			
	6000	152.1	9.06	0.81	1	1	145.2	10.04	0.84	1	1	139	11.17	0.87	1	1	131.5	12.44	0.9	1	1			
67°F	4000	148.5	9.04	0.55	0.67	0.81	142	10.04	0.56	0.69	0.83	134.7	11.16	0.57	0.7	0.86	126.4	12.43	0.58	0.73	0.9			
	5000	155.1	9.06	0.58	0.73	0.9	147.5	10.06	0.59	0.74	0.93	140.1	11.18	0.61	0.77	0.96	131.6	12.44	0.61	0.8	0.99			
	6000	159.7	9.08	0.61	0.78	0.98	152.3	10.07	0.62	0.81	1	144	11.19	0.64	0.84	1	135.4	12.45	0.65	0.87	1			
71°F	4000	157.4	9.07	0.42	0.53	0.65	150.6	10.07	0.41	0.54	0.66	143.1	11.18	0.42	0.56	0.68	134.7	12.44	0.43	0.57	0.7			
	5000	164.4	9.1	0.43	0.57	0.7	157	10.09	0.43	0.58	0.72	149.1	11.21	0.43	0.59	0.74	140	12.48	0.44	0.61	0.77			
	6000	169.3	9.11	0.44	0.6	0.76	161.6	10.11	0.44	0.61	0.78	152.9	11.22	0.45	0.62	0.81	143.3	12.47	0.46	0.64	0.84			

TSA180S4DN + TAA240S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	4800	99	4.71	0.69	0.81	0.93	95.8	5.22	0.7	0.83	0.95	92	5.77	0.71	0.84	0.96	88.2	6.41	0.72	0.85	0.98
	6000	104	4.79	0.74	0.88	1	100.3	5.29	0.75	0.89	1	96.5	5.85	0.76	0.91	1	92.3	6.48	0.78	0.93	1
	7200	107.7	4.85	0.78	0.94	1	104	5.35	0.79	0.95	1	99.7	5.89	0.81	0.97	1	95	6.52	0.82	0.99	1
67°F	4800	104.9	4.8	0.56	0.67	0.78	101.3	5.3	0.56	0.68	0.8	97.4	5.86	0.56	0.69	0.8	93.3	6.49	0.57	0.7	0.82
	6000	109.8	4.88	0.58	0.71	0.84	106	5.38	0.59	0.73	0.86	101.8	5.93	0.6	0.74	0.87	97.3	6.56	0.61	0.75	0.9
	7200	113.3	4.94	0.61	0.76	0.91	109.2	5.43	0.62	0.77	0.92	104.8	5.98	0.63	0.78	0.94	100	6.6	0.63	0.8	0.96
71°F	4800	110.2	4.89	0.43	0.54	0.65	106.5	5.39	0.43	0.54	0.66	102.5	5.94	0.43	0.55	0.66	98.2	6.57	0.44	0.55	0.67
	6000	115.3	4.97	0.44	0.56	0.69	111.6	5.47	0.42	0.57	0.7	107.2	6.02	0.45	0.58	0.72	102.6	6.65	0.45	0.59	0.73
	7200	119	5.03	0.45	0.59	0.74	114.9	5.52	0.46	0.6	0.75	110.4	6.07	0.45	0.61	0.77	105.1	6.69	0.46	0.61	0.77

TSA180S4DN + TAA240S4D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	4800	184.3	11.55	0.71	0.84	0.97	176.2	12.82	0.72	0.86	0.99	167.6	14.27	0.74	0.88	1	158.9	15.95	0.76	0.91	1
	6000	192.8	11.69	0.76	0.91	1	184.2	12.94	0.78	0.93	1	175.2	14.38	0.8	0.96	1	165.5	16.05	0.82	0.98	1
	7200	199	11.79	0.81	0.98	1	190.2	13.04	0.83	0.99	1	181	14.48	0.84	1	1	172.3	16.15	0.88	1	1
67°F	4800	194.7	11.72	0.57	0.68	0.81	186.6	12.98	0.57	0.7	0.82	177.8	14.43	0.58	0.71	0.84	168.2	16.09	0.59	0.73	0.87
	6000	204	11.86	0.6	0.74	0.88	194.5	13.11	0.6	0.75	0.9	185.4	14.56	0.61	0.77	0.93	175	16.19	0.63	0.79	0.96
	7200	210.1	11.97	0.62	0.79	0.95	200.6	13.22	0.64	0.81	0.97	190.2	14.64	0.65	0.83	0.99	179.5	16.28	0.67	0.86	1
71°F	4800	205.3	11.89	0.43	0.55	0.66	196.1	13.14	0.44	0.55	0.67	187.2	14.58	0.44	0.56	0.69	177.5	16.23	0.44	0.58	0.71
	6000	214.5	12.04	0.45	0.58	0.72	204.8	13.28	0.45	0.59	0.73	194.7	14.71	0.45	0.6	0.75	184.7	16.37	0.46	0.62	0.77
	7200	220.8	12.15	0.46	0.61	0.77	211.5	13.4	0.46	0.63	0.79	200.5	14.8	0.46	0.63	0.8	189.4	16.46	0.47	0.65	0.83

TSA180S4DN + TAA180S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	4800	93.7	4.63	0.7	0.82	0.94	90.6	5.14	0.71	0.84	0.95	87.2	5.7	0.72	0.85	0.97	83.4	6.33	0.73	0.87	0.99
	6000	98.2	4.7	0.74	0.88	1	94.9	5.2	0.75	0.9	1	91.2	5.76	0.77	0.91	1	87	6.39	0.78	0.93	1
	7200	101.4	4.75	0.78	0.94	1	97.9	5.25	0.8	0.95	1	94	5.8	0.81	0.97	1	89.9	6.43	0.83	0.99	1
67°F	4800	98.5	4.71	0.57	0.68	0.79	95.4	5.21	0.57	0.69	0.8	91.8	5.77	0.57	0.7	0.82	87.9	6.4	0.58	0.71	0.83
	6000	103.3	4.78	0.59	0.72	0.85	99.8	5.28	0.6	0.73	0.87	96	5.84	0.6	0.74	0.88	91.7	6.46	0.61	0.76	0.9
	7200	106.6	4.83	0.61	0.76	0.91	103	5.33	0.62	0.77	0.92	99	5.88	0.63	0.79	0.94	94.4	6.51	0.64	0.81	0.96
71°F	4800	103.2	4.78	0.44	0.55	0.66	100	5.28	0.44	0.55	0.66	96.3	5.84	0.44	0.56	0.67	92.1	6.47	0.44	0.57	0.69
	6000	108.2	4.86	0.45	0.57	0.7	104.5	5.35	0.45	0.58	0.71	100.6	5.91	0.45	0.59	0.72	96.1	6.54	0.46	0.6	0.74
	7200	111.8	4.91	0.46	0.6	0.74	108	5.41	0.45	0.61	0.75	103.6	5.96	0.46	0.62	0.77	99.1	6.59	0.47	0.63	0.79

TSA180S4DN + TAA180S4D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	4800	174.4	11.4	0.72	0.85	0.97	166.7	12.67	0.73	0.87	0.99	158.8	14.12	0.75	0.89	1	149.8	15.8	0.77	0.91	1
	6000	182.3	11.53	0.77	0.91	1	174.1	12.78	0.78	0.93	1	165.6	14.24	0.8	0.96	1	156.4	15.91	0.82	0.98	1
	7200	188	11.61	0.81	0.97	1	179.8	12.87	0.83	0.99	1	170.9	14.31	0.85	1	1	162.1	15.98	0.87	1	1
67°F	4800	183.6	11.54	0.57	0.7	0.82	175.8	12.81	0.58	0.71	0.83	167.4	14.27	0.59	0.72	0.85	158.3	15.95	0.6	0.74	0.88
	6000	192	11.67	0.6	0.74	0.88	183.3	12.93	0.61	0.76	0.9	174.5	14.38	0.62	0.78	0.92	164.6	16.03	0.64	0.8	0.95
	7200	198	11.76	0.63	0.79	0.94	188.8	13.02	0.64	0.81	0.96	179.4	14.46	0.65	0.83	0.98	169.3	16.11	0.67	0.86	1
71°F	4800	192.5	11.69	0.44	0.56	0.67	184.3	12.95	0.44	0.57	0.69	175.9	14.39	0.45	0.58	0.7	166.4	16.08	0.45	0.59	0.72
	6000	201.2	11.82	0.45	0.59	0.72	192.3	13.08	0.46	0.6	0.74	183	14.52	0.46	0.61	0.75	173.2	16.18	0.47	0.62	0.78
	7200	207.3	11.92	0.46	0.62	0.77	198.3	13.18	0.47	0.63	0.79	189	14.62	0.47	0.64	0.81	177.7	16.24	0.47	0.66	0.84

TSA180S4DN + (2) TAA090S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																						
		65°F						75°F						85°F						95°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)					
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb					
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F		
63°F	2400	99.3	4.72	0.7	0.82	0.93	96.1	5.22	0.71	0.83	0.95	92.3	5.78	0.71	0.84	0.96	88.4	6.41	0.73	0.86	0.98			
	3000	104.3	4.79	0.74	0.88	1	100.6	5.29	0.75	0.89	1	96.8	5.85	0.77	0.91	1	92.6	6.48	0.78	0.93	1			
	3600	108	4.85	0.79	0.94	1	104.2	5.35	0.8	0.95	1	100	5.9	0.81	0.97	1	95.2	6.52	0.83	0.99	1			
67°F	2400	105.2	4.8	0.56	0.68	0.78	101.5	5.3	0.56	0.69	0.8	97.6	5.86	0.57	0.69	0.81	93.6	6.49	0.57	0.7	0.82			
	3000	110.1	4.88	0.58	0.72	0.85	106.3	5.38	0.59	0.73	0.86	102.1	5.93	0.6	0.75	0.88	97.6	6.56	0.61	0.76	0.9			
	3600	113.6	4.94	0.62	0.76	0.91	109.5	5.43	0.62	0.78	0.93	105	5.98	0.63	0.79	0.94	100.3	6.61	0.63	0.81	0.96			
71°F	2400	110.4	4.89	0.44	0.54	0.65	106.7	5.39	0.43	0.55	0.66	102.8	5.95	0.44	0.55	0.67	98.5	6.58	0.44	0.56	0.68			
	3000	115.6	4.97	0.44	0.57	0.7	111.8	5.47	0.42	0.58	0.71	107.4	6.02	0.46	0.58	0.72	102.8	6.65	0.45	0.6	0.73			
	3600	119.3	5.03	0.46	0.59	0.74	115.2	5.52	0.46	0.61	0.76	110.7	6.07	0.46	0.62	0.77	105.4	6.69	0.46	0.62	0.78			

TSA180S4DN + (2) TAA090S4D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																						
		85°F						95°F						105°F						115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)					
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb					
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F		
63°F	4800	184.5	11.55	0.71	0.84	0.96	176.8	12.82	0.73	0.86	0.98	168.2	14.26	0.75	0.88	1	159.2	15.94	0.76	0.91	1			
	6000	193.6	11.7	0.77	0.91	1	185.1	12.96	0.78	0.93	1	176.2	14.4	0.8	0.96	1	166.1	16.06	0.82	0.98	1			
	7200	200	11.8	0.81	0.97	1	190.5	13.05	0.83	0.99	1	181.5	14.48	0.85	1	1	173.1	16.18	0.87	1	1			
67°F	4800	195.2	11.73	0.57	0.69	0.81	187.1	12.98	0.57	0.7	0.82	178.4	14.43	0.59	0.72	0.85	168.3	16.1	0.6	0.74	0.87			
	6000	204.1	11.87	0.6	0.75	0.88	195.2	13.12	0.61	0.76	0.9	185.5	14.55	0.62	0.78	0.93	174.8	16.21	0.63	0.8	0.95			
	7200	210.1	11.96	0.63	0.79	0.94	200.6	13.21	0.63	0.81	0.96	191	14.64	0.65	0.83	0.99	180.2	16.28	0.67	0.85	1			
71°F	4800	205.5	11.89	0.44	0.55	0.67	196.9	13.15	0.44	0.56	0.68	188	14.6	0.44	0.57	0.7	177.6	16.25	0.45	0.58	0.71			
	6000	214.8	12.04	0.46	0.58	0.72	205.6	13.3	0.45	0.6	0.73	195.3	14.71	0.46	0.61	0.76	183.9	16.35	0.46	0.61	0.77			
	7200	221.3	12.15	0.46	0.62	0.77	210.8	13.38	0.46	0.62	0.78	201	14.83	0.47	0.65	0.81	189.3	16.46	0.47	0.66	0.83			

TSA240S4DN + TAA240S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		65°F						75°F						85°F						95°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	6400	125.6	5.96	0.72	0.85	0.96	121	6.63	0.74	0.86	0.97	116.2	7.39	0.75	0.88	0.99	111.1	8.24	0.76	0.89	1				
	8000	131.4	6.06	0.77	0.91	1	126.6	6.73	0.78	0.92	1	121.5	7.48	0.8	0.94	1	116	8.32	0.81	0.96	1				
	9600	136	6.14	0.81	0.96	1	130.6	6.8	0.83	0.98	1	125.1	7.54	0.85	0.99	1	119.3	8.38	0.86	1	1				
67°F	6400	132.8	6.08	0.58	0.7	0.82	128	6.76	0.58	0.71	0.83	123	7.5	0.59	0.72	0.84	117.4	8.34	0.6	0.73	0.86				
	8000	138.9	6.19	0.6	0.74	0.88	133.7	6.86	0.61	0.76	0.89	128.4	7.61	0.63	0.78	0.91	122.3	8.44	0.63	0.79	0.93				
	9600	143.6	6.28	0.64	0.8	0.94	138	6.94	0.64	0.81	0.95	132	7.67	0.65	0.83	0.97	125.8	8.51	0.67	0.84	0.99				
71°F	6400	140	6.2	0.45	0.56	0.68	135	6.88	0.45	0.57	0.68	129.5	7.62	0.45	0.57	0.69	123.8	8.46	0.45	0.58	0.71				
	8000	146.4	6.32	0.46	0.59	0.72	140.7	6.99	0.46	0.6	0.73	135.1	7.73	0.46	0.61	0.75	128.7	8.56	0.47	0.62	0.77				
	9600	151.3	6.41	0.46	0.62	0.77	145	7.07	0.47	0.63	0.79	139	7.81	0.47	0.64	0.8	132.6	8.64	0.48	0.66	0.82				

TSA240S4DN + TAA240S4D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	6400	232.5	14.78	0.75	0.88	0.99	222.2	16.47	0.76	0.89	1	211.2	18.37	0.78	0.91	1	199.6	20.59	0.8	0.94	1				
	8000	243	14.95	0.8	0.94	1	232.1	16.64	0.81	0.96	1	220.5	18.55	0.83	0.98	1	207.2	20.72	0.85	1	1				
	9600	250.2	15.08	0.85	0.99	1	238.7	16.76	0.86	1	1	227.7	18.69	0.88	1	1	216.5	20.88	0.91	1	1				
67°F	6400	246.1	15.01	0.59	0.72	0.84	234.9	16.69	0.6	0.73	0.86	223.9	18.6	0.61	0.75	0.88	211.5	20.79	0.62	0.77	0.91				
	8000	256.8	15.21	0.63	0.78	0.91	244.6	16.88	0.63	0.79	0.93	232.8	18.77	0.65	0.81	0.96	218.7	20.93	0.66	0.83	0.98				
	9600	264	15.35	0.65	0.83	0.97	251.6	17.01	0.67	0.84	0.99	238.4	18.88	0.68	0.86	1	224.1	21.03	0.7	0.89	1				
71°F	6400	259	15.24	0.45	0.57	0.69	247.6	16.92	0.45	0.58	0.71	235.7	18.84	0.46	0.59	0.73	222.8	21.01	0.46	0.61	0.75				
	8000	270.2	15.46	0.46	0.61	0.75	257.5	17.12	0.47	0.62	0.77	244.2	19.01	0.47	0.63	0.79	230.8	21.17	0.47	0.65	0.81				
	9600	277.9	15.61	0.47	0.64	0.8	265.2	17.28	0.48	0.66	0.82	251.7	19.15	0.48	0.67	0.85	236	21.27	0.49	0.69	0.87				

TSA240S4DN + (2) TAA120S4D (1 COMPRESSOR RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		65°F						75°F						85°F						95°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	3200	127.6	6	0.72	0.84	0.96	122.6	6.67	0.73	0.86	0.97	117.9	7.42	0.74	0.87	0.99	112.7	8.26	0.76	0.89	1				
	4000	133.6	6.1	0.77	0.91	1	128.7	6.77	0.78	0.92	1	123.5	7.52	0.79	0.94	1	117.6	8.35	0.81	0.96	1				
	4800	138.6	6.19	0.81	0.96	1	133.3	6.85	0.83	0.98	1	127.5	7.59	0.84	0.99	1	121.9	8.43	0.86	1	1				
67°F	3200	135.1	6.12	0.57	0.69	0.81	130	6.8	0.58	0.7	0.83	124.9	7.54	0.58	0.71	0.84	119.3	8.39	0.59	0.73	0.86				
	4000	141.7	6.24	0.6	0.75	0.88	136.3	6.91	0.61	0.76	0.89	130.5	7.65	0.61	0.77	0.91	124.4	8.48	0.63	0.79	0.93				
	4800	146.2	6.33	0.63	0.79	0.94	140.5	6.98	0.64	0.81	0.95	134.3	7.72	0.65	0.82	0.97	127.6	8.55	0.66	0.84	0.99				
71°F	3200	142.5	6.26	0.44	0.56	0.67	137.3	6.93	0.44	0.56	0.68	131.7	7.67	0.44	0.57	0.69	126	8.51	0.45	0.58	0.71				
	4000	149.3	6.38	0.45	0.59	0.72	143.9	7.05	0.46	0.6	0.73	137.2	7.78	0.45	0.6	0.74	131	8.61	0.46	0.62	0.77				
	4800	153.9	6.47	0.46	0.61	0.77	147.9	7.14	0.47	0.63	0.78	141.7	7.86	0.47	0.64	0.8	134.7	8.68	0.48	0.65	0.82				

TSA240S4DN + (2) TAA120S4D (2 COMPRESSORS RUNNING)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	6400	235.8	14.84	0.74	0.87	0.99	225.5	16.53	0.76	0.89	1	214.1	18.44	0.77	0.91	1	202.1	20.62	0.79	0.94	1				
	8000	246.9	15.03	0.79	0.94	1	235.2	16.7	0.81	0.96	1	223.6	18.62	0.83	0.99	1	210.9	20.79	0.85	1	1				
	9600	255	15.19	0.84	0.99	1	243.7	16.86	0.86	1	1	233.2	18.8	0.88	1	1	221.1	20.99	0.91	1	1				
67°F	6400	249.9	15.09	0.58	0.71	0.84	238.7	16.78	0.59	0.73	0.86	226.7	18.68	0.6	0.75	0.88	213.9	20.85	0.62	0.77	0.91				
	8000	261	15.29	0.61	0.77	0.91	248.8	16.95	0.63	0.79	0.93	235.5	18.85	0.64	0.81	0.96	221.5	20.99	0.65	0.83	0.98				
	9600	268.7	15.44	0.65	0.82	0.97	255.2	17.09	0.66	0.84	0.99	242.7	18.97	0.68	0.86	1	228.3	21.12	0.69	0.89	1				
71°F	6400	263.4	15.33	0.44	0.57	0.69	252	17.01	0.45	0.58	0.71	239	18.91	0.45	0.59	0.73	226.4	21.08	0.45	0.6	0.74				
	8000	274.4	15.56	0.45	0.6	0.74	262.1	17.23	0.46	0.62	0.77	249.1	19.11	0.47	0.63	0.79	234	21.25	0.47	0.65	0.81				
	9600	283.5	15.72	0.47	0.64	0.8	269.4	17.36	0.48	0.65	0.82	255.2	19.23	0.48	0.66	0.84	239.7	21.35	0.49	0.69	0.87				