



Air Conditioning & Heating Products



**24 VOLT
HEAT PUMP SYSTEMS
RESIDENTIAL PRODUCTS**

BAH32 SERIES

Cooling & Heating Performance Capacity Ratings

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ComfortStar®

Air Conditioning & Heating Products

Performance Capacity Ratings

COOLING PERFORMANCE DATA

OD_Model	ID_Model	Furnace	Brand	ARIREF	ID_Type	Stage	Est_AirFlow	ACHP	IsHSVTC																	
BAH32-18-15	LUC32-18-15		ComfortStar		A	High	680	H																		
OUTDOOR DB	IWB (°F)	59					63					67					71									
	IDB (°F)	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80					
85	TC ¹	17.10	17.15	17.20	17.25	17.31	18.20	18.25	18.31	18.36	18.42	19.30	19.36	19.42	19.47	19.53	20.50	20.56	20.62	20.69	20.75					
	Sensible ²	13.54	14.66	15.78	16.91	17.10	11.15	12.27	13.39	14.52	15.64	8.69	9.82	10.94	12.06	13.19	6.23	7.35	8.47	9.59	10.72					
	kW	1.37	1.37	1.37	1.37	1.38	1.37	1.37	1.37	1.37	1.38	1.38	1.38	1.38	1.38	1.39	1.38	1.38	1.38	1.38	1.39					
90	TC ¹	16.60	16.65	16.70	16.75	16.80	17.70	17.75	17.81	17.86	17.91	18.80	18.86	18.91	18.97	19.03	20.00	20.06	20.12	20.18	20.24					
	Sensible ²	13.28	14.41	15.53	16.60	16.60	10.91	12.03	13.16	14.28	15.41	8.47	9.60	10.72	11.84	12.97	6.03	7.15	8.27	9.39	10.52					
	kW	1.44	1.44	1.44	1.44	1.45	1.44	1.44	1.44	1.44	1.45	1.45	1.45	1.45	1.45	1.46	1.46	1.46	1.46	1.46	1.47					
95	TC ¹	16.20	16.25	16.30	16.35	16.40	17.20	17.25	17.30	17.36	17.41	18.30	18.35	18.41	18.47	18.52	19.40	19.46	19.52	19.58	19.63					
	Sensible ²	13.08	14.21	15.33	16.20	16.20	10.68	11.80	12.92	14.05	15.17	8.26	9.38	10.51	11.63	12.75	5.78	6.91	8.03	9.15	10.28					
	kW	1.51	1.51	1.51	1.51	1.52	1.52	1.52	1.52	1.52	1.53	1.52	1.52	1.52	1.52	1.53	1.53	1.53	1.53	1.53	1.54					
100	TC ¹	15.70	15.75	15.79	15.84	15.89	16.70	16.75	16.80	16.85	16.90	17.80	17.85	17.91	17.96	18.01	18.90	18.96	19.01	19.07	19.13					
	Sensible ²	12.83	13.96	15.08	15.70	15.70	10.45	11.57	12.69	13.82	14.94	8.04	9.17	10.29	11.41	12.54	5.58	6.71	7.83	8.95	10.08					
	kW	1.59	1.59	1.59	1.59	1.60	1.60	1.60	1.60	1.60	1.61	1.60	1.60	1.60	1.60	1.61	1.61	1.61	1.61	1.61	1.62					
105	TC ¹	15.20	15.25	15.29	15.34	15.38	16.20	16.25	16.30	16.35	16.40	17.20	17.25	17.30	17.36	17.41	18.30	18.35	18.41	18.47	18.52					
	Sensible ²	12.59	13.71	14.84	15.20	15.20	10.22	11.34	12.46	13.59	14.71	7.79	8.91	10.03	11.16	12.28	5.35	6.47	7.59	8.71	9.84					
	kW	1.67	1.67	1.67	1.68	1.68	1.68	1.68	1.68	1.68	1.69	1.69	1.69	1.69	1.69	1.70	1.70	1.70	1.70	1.71	1.71					
115	TC ¹	14.10	14.14	14.18	14.23	14.27	15.00	15.05	15.09	15.14	15.18	16.00	16.05	16.10	16.14	16.19	17.10	17.15	17.20	17.25	17.31					
	Sensible ²	12.05	13.17	14.10	14.10	14.10	9.67	10.79	11.92	13.04	14.17	7.27	8.40	9.52	10.65	11.77	4.87	6.00	7.12	8.24	9.37					
	kW	1.86	1.86	1.86	1.87	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89	1.90	1.90					

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)											
	Indoor Conditions DB		5°F	10°F	17°F	20°F	25°F	32°F	35°F	40°F	47°F	50°F	57°F	
			-15°C	-12.2°C	-8.3°C	-6.7°C	-3.9°C	0°C	1.7°C	4.4°C	8.3°C	10°C	13.9°C	
LUC32-18-15 BAH32-18-15 (208-230V)	60°F	TC	13.65	16.09	18.53	18.85	19.17	19.49	19.81	20.13	20.66	20.78	20.96	
	(15.6°C)	Input	1.81	1.78	1.74	1.71	1.67	1.64	1.61	1.58	1.55	1.46	1.42	
	65°F	TC	13.26	15.63	17.99	18.30	18.61	18.92	19.23	19.54	20.05	20.18	20.35	
	(18.3°C)	Input	1.85	1.81	1.78	1.74	1.71	1.67	1.64	1.61	1.58	1.49	1.45	
	70°F	TC	12.87	15.17	17.47	17.77	18.07	18.37	18.67	18.97	19.47	19.59	19.76	
	(21.1°C)	Input	1.89	1.85	1.81	1.78	1.74	1.71	1.68	1.64	1.61	1.52	1.48	
	75°F	TC	12.48	14.71	16.95	17.24	17.53	17.82	18.11	18.40	18.89	19.00	19.17	
	(23.9°C)	Input	1.92	1.89	1.85	1.81	1.78	1.74	1.71	1.68	1.64	1.55	1.51	

ComfortStar®

Air Conditioning & Heating Products

Performance Capacity Ratings

COOLING PERFORMANCE DATA

OD_Model	ID_Model	Furnace	Brand	ARIREF	ID_Type	Stage	Est_Airfl Low	ACHP	IshSVTC												
BAH32-24-15	LUC32-24-15		ComfortStar		A	High	680	H													
OUTDOOR DB	IWB(°F)	59					63					67					71				
	IDB (°F)	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80
85	TC ¹	22.10	22.17	22.23	22.30	22.37	23.50	23.57	23.64	23.71	23.78	24.90	24.97	25.05	25.12	25.20	26.50	26.58	26.66	26.74	26.82
	Sensible ²	18.39	20.04	21.69	22.10	22.10	14.87	16.53	18.18	19.83	21.49	11.28	12.93	14.59	16.24	17.89	7.70	9.35	11.00	12.65	14.31
	kW	1.77	1.77	1.77	1.78	1.78	1.77	1.77	1.77	1.78	1.78	1.77	1.77	1.77	1.78	1.78	1.78	1.78	1.78	1.79	1.79
90	TC ¹	21.50	21.56	21.63	21.69	21.76	22.80	22.87	22.94	23.01	23.07	24.30	24.37	24.45	24.52	24.59	25.80	25.88	25.96	26.03	26.11
	Sensible ²	18.09	19.74	21.40	21.50	21.50	14.56	16.21	17.86	19.52	21.17	11.02	12.68	14.33	15.99	17.64	7.42	9.07	10.73	12.38	14.03
	kW	1.86	1.86	1.86	1.87	1.87	1.86	1.86	1.86	1.87	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.89	1.89
95	TC ¹	20.80	20.86	20.92	20.99	21.05	22.20	22.27	22.33	22.40	22.47	23.60	23.67	23.74	23.81	23.88	25.10	25.18	25.25	25.33	25.40
	Sensible ²	17.75	19.40	20.80	20.80	20.80	14.28	15.93	17.59	19.24	20.90	10.73	12.38	14.03	15.68	17.34	7.15	8.80	10.45	12.10	13.76
	kW	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.99	1.99
100	TC ¹	20.20	20.26	20.32	20.38	20.44	21.50	21.56	21.63	21.69	21.76	22.90	22.97	23.04	23.11	23.18	24.40	24.47	24.55	24.62	24.69
	Sensible ²	17.46	19.11	20.20	20.20	20.20	13.97	15.62	17.27	18.93	20.58	10.43	12.08	13.74	15.39	17.05	6.88	8.53	10.18	11.83	13.48
	kW	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.09	2.09
105	TC ¹	19.50	19.56	19.62	19.68	19.74	20.80	20.86	20.92	20.99	21.05	22.20	22.27	22.33	22.40	22.47	23.60	23.67	23.74	23.81	23.88
	Sensible ²	17.12	18.78	19.50	19.50	19.50	13.65	15.30	16.96	18.61	20.27	10.14	11.79	13.45	15.10	16.76	6.56	8.22	9.87	11.52	13.18
	kW	2.16	2.16	2.16	2.17	2.17	2.17	2.17	2.17	2.18	2.18	2.18	2.18	2.18	2.19	2.19	2.19	2.19	2.19	2.20	2.20
115	TC ¹	18.10	18.15	18.21	18.26	18.32	19.40	19.46	19.52	19.58	19.63	20.60	20.66	20.72	20.79	20.85	22.00	22.07	22.13	22.20	22.27
	Sensible ²	16.45	18.10	18.10	18.10	18.10	13.03	14.68	16.33	17.99	19.40	9.48	11.13	12.78	14.44	16.10	5.95	7.60	9.25	10.91	12.56
	kW	2.40	2.40	2.40	2.41	2.41	2.41	2.41	2.41	2.41	2.42	2.42	2.42	2.42	2.42	2.43	2.43	2.44	2.44	2.44	2.45

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)										
	Indoor Conditions DB		5°F -15°C	10°F -12.2°C	17°F -8.3°C	20°F -6.7°C	25°F -3.9°C	32°F 0°C	35°F 1.7°C	40°F 4.4°C	47°F 8.3°C	50°F 10°C	57°F 13.9°C
LUC32-24-15 BAH32-24-15 (208-230V)	60°F (15.6°C)	TC	18.53	19.32	20.10	21.38	22.65	23.92	25.20	26.47	27.74	29.02	30.29
		Input	2.58	2.47	2.40	2.40	2.40	2.40	2.41	2.41	2.41	2.41	2.42
	65°F (18.3°C)	TC	17.99	18.76	19.52	20.75	21.99	23.23	24.46	25.70	26.93	28.17	29.41
		Input	2.64	2.52	2.45	2.45	2.45	2.45	2.46	2.46	2.46	2.46	2.46
	70°F (21.1°C)	TC	17.47	18.21	18.95	20.15	21.35	22.55	23.75	24.95	26.15	27.35	28.55
		Input	2.69	2.57	2.49	2.50	2.50	2.50	2.50	2.51	2.51	2.51	2.52
	75°F (23.9°C)	TC	16.95	17.66	18.38	19.55	20.71	21.87	23.04	24.20	25.37	26.53	27.69
		Input	2.74	2.62	2.54	2.55	2.55	2.55	2.56	2.56	2.56	2.56	2.57

ComfortStar®

Air Conditioning & Heating Products

Performance Capacity Ratings

COOLING PERFORMANCE DATA

OD_Model	ID_Model	Furnace	Brand	ARIREF	ID_Type	Stage	Est_Airf _{low}	ACHP	IsHSVTC												
BAH32-30-15	LUC32-30-15		ComfortStar		A	High	1100	H													
OUTDOOR DB	IWB(T°)	59					63					67					71				
	IDB (F°)	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80
85	TC ¹	28.40	28.49	28.57	28.66	28.74	30.30	30.39	30.48	30.57	30.67	32.20	32.30	32.39	32.49	32.59	34.30	34.40	34.51	34.61	34.71
	Sensible ²	23.99	26.20	28.40	28.40	28.40	19.36	21.56	23.77	25.97	28.18	14.61	16.81	19.02	21.22	23.43	9.86	12.06	14.26	16.47	18.67
	kW	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.09	2.09	2.10	2.10	2.10
90	TC ¹	27.40	27.48	27.56	27.65	27.73	29.10	29.19	29.27	29.36	29.45	30.90	30.99	31.09	31.18	31.27	32.80	32.90	33.00	33.10	33.20
	Sensible ²	22.90	24.97	27.04	27.40	27.40	18.48	20.55	22.62	24.70	26.77	14.01	16.08	18.15	20.22	22.30	9.49	11.56	13.62	15.70	17.77
	kW	2.19	2.19	2.19	2.20	2.20	2.20	2.20	2.20	2.21	2.21	2.20	2.20	2.20	2.21	2.21	2.21	2.21	2.21	2.22	2.22
95	TC ¹	26.60	26.68	26.76	26.84	26.92	28.40	28.49	28.57	28.66	28.74	30.10	30.19	30.28	30.37	30.46	32.00	32.10	32.19	32.29	32.39
	Sensible ²	22.51	24.58	26.60	26.60	26.60	18.16	20.23	22.31	24.38	26.45	13.66	15.73	17.80	19.88	21.95	9.17	11.24	13.31	15.38	17.46
	kW	2.31	2.31	2.31	2.32	2.32	2.31	2.31	2.31	2.32	2.32	2.32	2.32	2.32	2.33	2.33	2.33	2.33	2.33	2.34	2.34
100	TC ¹	25.90	25.98	26.06	26.13	26.21	27.60	27.68	27.77	27.85	27.93	29.30	29.39	29.48	29.56	29.65	31.10	31.19	31.29	31.38	31.47
	Sensible ²	22.17	24.24	25.90	25.90	25.90	17.80	19.87	21.94	24.02	26.09	13.33	15.40	17.47	19.54	21.62	8.81	10.88	12.95	15.02	17.10
	kW	2.42	2.42	2.42	2.43	2.43	2.43	2.43	2.43	2.44	2.44	2.44	2.44	2.44	2.45	2.45	2.45	2.45	2.45	2.46	2.46
105	TC ¹	25.10	25.18	25.25	25.33	25.40	26.70	26.78	26.86	26.94	27.02	28.40	28.49	28.57	28.66	28.74	30.20	30.29	30.38	30.47	30.56
	Sensible ²	21.78	23.85	25.10	25.10	25.10	17.39	19.46	21.54	23.61	25.69	12.95	15.02	17.09	19.16	21.24	8.47	10.54	12.61	14.68	16.76
	kW	2.55	2.55	2.56	2.56	2.56	2.56	2.56	2.57	2.57	2.57	2.57	2.57	2.57	2.58	2.58	2.58	2.58	2.58	2.59	2.59
115	TC ¹	24.30	24.37	24.45	24.52	24.59	25.90	25.98	26.06	26.13	26.21	27.50	27.58	27.67	27.75	27.83	29.30	29.39	29.48	29.56	29.65
	Sensible ²	21.39	23.46	24.30	24.30	24.30	17.03	19.10	21.18	23.25	25.33	12.58	14.65	16.72	18.79	20.87	8.12	10.19	12.26	14.33	16.41
	kW	2.44	2.45	2.45	2.45	2.45	2.46	2.46	2.46	2.46	2.47	2.47	2.47	2.47	2.48	2.48	2.48	2.48	2.48	2.49	2.49

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)										
	Indoor Conditions DB		5°F -15°C	10°F -12.2°C	17°F -8.3°C	20°F -6.7°C	25°F -3.9°C	32°F 0°C	35°F 1.7°C	40°F 4.4°C	47°F 8.3°C	50°F 10°C	57°F 13.9°C
LUC32-30-15 BAH32-30-15 (208-230V)	60°F (15.6°C)	TC	21.20	22.94	24.69	26.32	27.95	29.59	31.22	32.86	34.49	36.12	37.76
		Input	2.82	2.73	2.67	2.64	2.60	2.58	2.54	2.55	2.60	2.54	2.48
	65°F (18.3°C)	TC	20.58	22.27	23.97	25.55	27.14	28.73	30.31	31.90	33.49	35.07	36.66
		Input	2.90	2.82	2.74	2.71	2.67	2.64	2.62	2.61	2.66	2.59	2.54
	70°F (21.1°C)	TC	19.98	21.63	23.27	24.81	26.35	27.89	29.43	30.97	32.51	34.05	35.59
		Input	2.99	2.89	2.81	2.78	2.75	2.72	2.67	2.69	2.69	2.66	2.59
	75°F (23.9°C)	TC	19.30	20.11	20.81	21.31	21.60	22.18	22.57	26.40	31.09	31.59	32.57
		Input	3.09	2.98	2.89	2.88	2.83	2.79	2.77	2.76	2.82	2.74	2.68

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COOLING PERFORMANCE DATA

OD_Model	ID_Model	Furnace	Brand	ARIREF	ID_Type	Stage	Est_Airfl low	ACHP	IsHSVTC												
BAH32-36-15	LUC32-36-15		ComfortStar		A	High	1100	H													
OUTDOOR DB	IWB (°F) IDB (°F)	59					63					67					71				
		72	74	76	78	80	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80
85	TC ¹	32.90	33.00	33.10	33.20	33.30	35.00	35.11	35.21	35.32	35.42	37.20	37.31	37.42	37.54	37.65	39.50	39.62	39.74	39.86	39.98
	Sensible ²	27.41	29.87	32.34	32.90	32.90	22.17	24.64	27.10	29.57	32.05	16.86	19.32	21.79	24.26	26.73	11.47	13.93	16.40	18.87	21.34
	kW	2.70	2.70	2.71	2.71	2.71	2.71	2.71	2.72	2.72	2.72	2.71	2.71	2.72	2.72	2.72	2.72	2.72	2.72	2.73	2.73
90	TC ¹	32.00	32.10	32.19	32.29	32.39	34.10	34.20	34.30	34.41	34.51	36.20	36.31	36.42	36.53	36.64	38.40	38.52	38.63	38.75	38.86
	Sensible ²	26.96	29.43	31.90	32.00	32.00	21.76	24.23	26.70	29.17	31.64	16.42	18.89	21.36	23.83	26.30	11.04	13.50	15.97	18.43	20.90
	kW	2.84	2.84	2.85	2.85	2.85	2.85	2.85	2.86	2.86	2.86	2.86	2.86	2.87	2.87	2.87	2.87	2.87	2.88	2.88	2.88
95	TC ¹	31.10	31.19	31.29	31.38	31.47	33.10	33.20	33.30	33.40	33.50	35.20	35.31	35.41	35.52	35.62	37.40	37.51	37.62	37.74	37.85
	Sensible ²	26.53	28.99	31.10	31.10	31.10	21.31	23.77	26.24	28.71	31.19	16.00	18.47	20.93	23.40	25.88	10.63	13.11	15.58	18.04	20.52
	kW	2.99	2.99	3.00	3.00	3.00	3.00	3.00	3.01	3.01	3.01	3.01	3.01	3.02	3.02	3.02	3.02	3.02	3.03	3.03	3.03
100	TC ¹	30.10	30.19	30.28	30.37	30.46	32.10	32.20	32.29	32.39	32.49	34.20	34.30	34.41	34.51	34.61	36.30	36.41	36.52	36.63	36.74
	Sensible ²	26.04	28.51	30.10	30.10	30.10	20.85	23.32	25.79	28.26	30.73	15.58	18.05	20.52	22.99	25.46	10.22	12.68	15.15	17.61	20.08
	kW	3.14	3.14	3.15	3.15	3.15	3.15	3.15	3.16	3.16	3.16	3.17	3.17	3.18	3.18	3.18	3.18	3.18	3.19	3.19	3.19
105	TC ¹	29.10	29.19	29.27	29.36	29.45	31.10	31.19	31.29	31.38	31.47	33.10	33.20	33.30	33.40	33.50	35.20	35.31	35.41	35.52	35.62
	Sensible ²	25.56	28.03	29.10	29.10	29.10	20.40	22.87	25.34	27.81	30.28	15.12	17.59	20.06	22.53	25.00	9.79	12.25	14.72	17.19	19.66
	kW	3.10	3.10	3.11	3.11	3.11	3.12	3.12	3.12	3.13	3.13	3.13	3.13	3.13	3.14	3.14	3.14	3.15	3.15	3.15	3.16
115	TC ¹	27.00	27.08	27.16	27.24	27.33	28.90	28.99	29.07	29.16	29.25	30.80	30.89	30.99	31.08	31.17	32.80	32.90	33.00	33.10	33.20
	Sensible ²	24.56	27.00	27.00	27.00	27.00	19.42	21.89	24.36	26.83	28.90	14.17	16.64	19.11	21.58	24.05	8.86	11.33	13.80	16.27	18.74
	kW	3.03	3.03	3.04	3.04	3.04	3.05	3.05	3.05	3.06	3.06	3.06	3.06	3.07	3.07	3.07	3.07	3.08	3.08	3.08	3.09

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)										
	Indoor Conditions DB		5°F	10°F	17°F	20°F	25°F	32°F	35°F	40°F	47°F	50°F	57°F
			-15°C	-12.2°C	-8.3°C	-6.7°C	-3.9°C	0°C	1.7°C	4.4°C	8.3°C	10°C	13.9°C
LUC32-36-15 BAH32-36-15 (208-230V)	60°F (15.6°C)	TC	27.04	29.37	31.69	32.83	33.98	35.13	36.27	37.42	38.57	39.72	40.87
		Input	2.93	2.89	2.86	2.89	2.93	2.96	2.98	2.96	3.03	3.09	3.15
	65°F (18.3°C)	TC	26.25	28.51	30.77	31.88	32.99	34.10	35.22	36.33	37.45	38.56	39.68
		Input	2.99	2.95	2.92	2.95	2.99	3.02	3.04	3.02	3.09	3.15	3.21
	70°F (21.1°C)	TC	25.49	27.68	29.87	30.95	32.03	33.11	34.19	35.27	36.36	37.44	38.52
		Input	3.05	3.01	2.98	3.01	3.05	3.08	3.10	3.08	3.15	3.21	3.28
	75°F (23.9°C)	TC	24.73	26.85	28.97	30.02	31.07	32.12	33.16	34.21	35.27	36.32	37.36
		Input	3.11	3.07	3.04	3.07	3.11	3.14	3.16	3.14	3.21	3.28	3.34

ComfortStar®

Air Conditioning & Heating Products

Performance Capacity Ratings

COOLING PERFORMANCE DATA

OD Model	ID Model	Furnace	Brand	ARIREF	ID_Type	Stage	Est_AirF low	ACHP	IsHSVTC												
BAH32-48-15	LUC32-48-15		ComfortStar		A	High	1320	H													
OUTDOOR DB	IWB (°F)	59					63					67					71				
	IDB (°F)	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80
85	TC ¹	45.40	45.54	45.67	45.81	45.95	48.40	48.55	48.69	48.84	48.98	51.50	51.65	51.81	51.96	52.12	54.80	54.96	55.13	55.29	55.46
	Sensible ²	37.76	41.16	44.55	45.40	45.40	30.61	34.00	37.39	40.79	44.19	23.33	26.72	30.11	33.50	36.90	15.96	19.35	22.74	26.13	29.53
	kW	5.14	5.15	5.15	5.16	5.16	5.16	5.17	5.17	5.18	5.18	5.19	5.20	5.20	5.21	5.21	5.22	5.23	5.23	5.24	5.24
90	TC ¹	46.87	47.01	47.15	47.29	47.44	47.58	47.72	47.86	48.01	48.15	48.30	48.44	48.59	48.74	48.88	49.03	49.18	49.32	49.47	49.62
	Sensible ²	27.32	30.70	34.49	38.75	43.54	24.61	27.65	31.07	34.91	39.23	22.17	24.91	27.99	31.45	35.34	29.33	30.33	31.33	32.33	33.33
	kW	5.19	5.20	5.20	5.21	5.21	5.22	5.22	5.23	5.23	5.24	5.24	5.25	5.25	5.26	5.26	5.27	5.27	5.28	5.28	5.29
95	TC ¹	45.81	45.95	46.09	46.23	46.37	46.51	46.65	46.79	46.93	47.07	47.21	47.35	47.49	47.64	47.78	47.92	48.07	48.21	48.36	48.50
	Sensible ²	27.49	32.05	36.62	33.94	38.14	26.26	30.61	34.98	32.42	36.43	25.08	29.24	33.41	30.96	34.79	16.05	20.21	24.37	28.54	32.71
	kW	5.35	5.36	5.37	5.37	5.38	5.38	5.39	5.39	5.40	5.40	5.41	5.41	5.42	5.42	5.43	5.45	5.46	5.48	5.50	5.51
100	TC ¹	38.70	38.82	38.93	39.05	39.17	41.20	41.32	41.45	41.57	41.70	43.90	44.03	44.16	44.30	44.43	46.60	46.74	46.88	47.02	47.16
	Sensible ²	32.16	35.05	37.94	38.70	38.70	26.05	28.94	31.82	34.71	37.60	19.88	22.77	25.65	28.54	31.43	13.57	16.45	19.34	22.22	25.11
	kW	5.29	5.29	5.30	5.30	5.31	5.32	5.32	5.33	5.33	5.34	5.34	5.35	5.35	5.36	5.36	5.37	5.37	5.38	5.38	5.39
105	TC ¹	37.40	37.51	37.62	37.74	37.85	39.90	40.02	40.14	40.26	40.38	42.50	42.63	42.76	42.88	43.01	45.20	45.34	45.47	45.61	45.74
	Sensible ²	31.53	34.41	37.30	37.40	37.40	25.46	28.34	31.23	34.12	37.01	19.29	22.17	25.06	27.95	30.84	13.02	15.90	18.79	21.67	24.56
	kW	5.17	5.18	5.18	5.19	5.19	5.20	5.20	5.21	5.21	5.22	5.22	5.23	5.23	5.24	5.24	5.25	5.25	5.26	5.26	5.27
115	TC ¹	34.70	34.80	34.91	35.01	35.12	37.10	37.21	37.32	37.43	37.55	39.50	39.62	39.74	39.86	39.98	42.10	42.23	42.35	42.48	42.61
	Sensible ²	30.22	33.10	34.70	34.70	34.70	24.19	27.07	29.96	32.85	35.75	18.02	20.90	23.79	26.68	29.57	11.81	14.69	17.58	20.47	23.36
	kW	5.09	5.10	5.10	5.11	5.11	5.12	5.12	5.13	5.13	5.14	5.14	5.15	5.15	5.16	5.16	5.17	5.17	5.18	5.18	5.19

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)										
	Indoor Conditions DB		5°F	10°F	17°F	20°F	25°F	32°F	35°F	40°F	47°F	50°F	57°F
			-15°C	-12.2°C	-8.3°C	-6.7°C	-3.9°C	0°C	1.7°C	4.4°C	8.3°C	10°C	13.9°C
LUC32-48-15 BAH32-48-15 (208-230V)	60°F (15.6°C)	TC	36.99	40.77	44.54	45.74	46.93	48.13	49.33	50.53	51.72	52.92	54.12
		Input	5.20	5.05	4.91	4.76	4.62	4.49	4.36	4.23	4.15	4.25	4.15
	65°F (18.3°C)	TC	35.92	39.58	43.24	44.40	45.57	46.73	47.90	49.06	50.21	51.38	52.54
		Input	5.31	5.16	5.01	4.86	4.72	4.58	4.45	4.32	4.23	4.34	4.23
	70°F (21.1°C)	TC	34.87	38.43	41.98	43.11	44.24	45.37	46.50	47.63	48.75	49.88	51.01
		Input	5.42	5.26	5.11	4.96	4.81	4.67	4.54	4.41	4.32	4.43	4.32
	75°F (23.9°C)	TC	33.82	37.27	40.72	41.82	42.91	44.01	45.11	46.20	47.29	48.38	49.48
		Input	5.53	5.37	5.21	5.06	4.91	4.77	4.63	4.49	4.41	4.52	4.41

ComfortStar®

Air Conditioning & Heating Products

Performance Capacity Ratings

Cooling Performance Data

OD_Model	ID_Model	Furnace	Brand	ARIREF	ID_Type	Stage	Est_Airfl low	ACHP	IsHSVTC												
BAH21-60-15	LUC32-60-15		ComfortStar		A	High	1740	H													
OUTDOOR DB	IWB(°F)	59					63					67					71				
	IDB (°F)	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80
85	TC ¹	48.80	48.95	49.09	49.24	49.39	52.00	52.16	52.31	52.47	52.63	55.30	55.47	55.63	55.80	55.97	58.70	58.88	59.05	59.23	59.41
	Sensible ²	42.99	47.15	48.80	48.80	48.80	34.21	38.38	42.54	46.72	50.89	25.29	29.45	33.61	37.78	41.96	16.24	20.40	24.57	28.73	32.91
	kW	5.72	5.73	5.73	5.74	5.74	5.75	5.75	5.76	5.77	5.77	5.78	5.78	5.79	5.80	5.80	5.81	5.81	5.82	5.82	5.83
90	TC ¹	47.30	47.44	47.58	47.73	47.87	50.50	50.65	50.80	50.96	51.11	53.70	53.86	54.02	54.18	54.35	57.10	57.27	57.44	57.62	57.79
	Sensible ²	42.27	46.43	47.30	47.30	47.30	33.54	37.71	41.88	46.05	50.22	24.62	28.79	32.95	37.12	41.30	15.63	19.79	23.95	28.12	32.29
	kW	6.07	6.08	6.09	6.09	6.10	6.10	6.11	6.12	6.12	6.13	6.13	6.14	6.15	6.15	6.16	6.17	6.17	6.18	6.18	6.19
95	TC ¹	46.20	46.34	46.48	46.62	46.76	49.30	49.45	49.60	49.75	49.89	52.50	52.66	52.82	52.97	53.13	55.80	55.97	56.14	56.30	56.47
	Sensible ²	38.26	41.67	45.09	46.20	46.20	31.08	34.49	37.91	41.32	44.75	23.76	27.17	30.59	34.01	37.42	16.32	19.73	23.14	26.56	29.97
	kW	6.35	6.35	6.36	6.37	6.37	6.38	6.39	6.39	6.40	6.41	6.41	6.42	6.42	6.43	6.44	6.44	6.45	6.46	6.46	6.47
100	TC ¹	42.80	42.93	43.06	43.19	43.32	45.80	45.94	46.08	46.21	46.35	48.80	48.95	49.09	49.24	49.39	52.00	52.16	52.31	52.47	52.63
	Sensible ²	36.59	40.01	42.80	42.80	42.80	29.48	32.90	36.31	39.73	43.15	22.18	25.59	29.01	32.43	35.85	14.83	18.24	21.65	25.07	28.48
	kW	6.20	6.21	6.21	6.22	6.23	6.23	6.24	6.24	6.25	6.26	6.26	6.27	6.28	6.28	6.29	6.29	6.30	6.31	6.31	6.32
105	TC ¹	41.10	41.22	41.35	41.47	41.60	43.70	43.83	43.96	44.09	44.23	46.50	46.64	46.78	46.92	47.06	49.40	49.55	49.70	49.85	50.00
	Sensible ²	33.35	36.24	39.12	41.10	41.10	27.20	30.09	32.97	35.86	38.75	21.00	23.88	26.77	29.65	32.54	14.69	17.57	20.45	23.33	26.22
	kW	6.11	6.12	6.12	6.13	6.14	6.14	6.15	6.16	6.16	6.17	6.17	6.18	6.19	6.19	6.20	6.21	6.21	6.22	6.22	6.23
115	TC ¹	39.90	40.02	40.14	40.26	40.38	42.50	42.63	42.76	42.88	43.01	45.20	45.34	45.47	45.61	45.74	48.00	48.14	48.29	48.43	48.58
	Sensible ²	32.76	35.64	38.53	39.90	39.90	26.65	29.53	32.42	35.31	38.20	20.44	23.32	26.21	29.09	31.98	14.13	17.01	19.89	22.78	25.66
	kW	5.86	5.86	5.87	5.88	5.88	5.89	5.89	5.90	5.90	5.91	5.92	5.92	5.93	5.93	5.94	5.95	5.95	5.96	5.96	5.97

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)										
	Indoor Conditions DB		5°F -15°C	10°F -12.2°C	17°F -8.3°C	20°F -6.7°C	25°F -3.9°C	32°F 0°C	35°F 1.7°C	40°F 4.4°C	47°F 8.3°C	50°F 10°C	57°F 13.9°C
LUC32-60-15 BAH32-60-15 (208-230V)	60°F (15.6°C)	TC	38.27	41.72	45.17	47.26	49.35	51.44	53.53	55.62	57.82	59.91	62.00
		Input	5.13	5.03	4.93	4.84	4.74	4.65	4.56	4.47	4.38	4.29	4.21
	65°F (18.3°C)	TC	37.15	40.50	43.86	45.89	47.92	49.94	51.97	54.00	56.14	58.16	60.19
		Input	5.24	5.13	5.03	4.93	4.84	4.74	4.65	4.56	4.47	4.38	4.29
	70°F (21.1°C)	TC	36.07	39.33	42.58	44.55	46.52	48.49	50.46	52.43	54.50	56.47	58.44
		Input	5.34	5.24	5.14	5.03	4.94	4.84	4.74	4.65	4.56	4.47	4.38
	75°F (23.9°C)	TC	35.35	38.54	41.73	43.66	45.59	47.52	49.45	51.38	53.41	55.34	57.27
		Input	5.45	5.34	5.24	5.14	5.03	4.94	4.84	4.74	4.65	4.56	4.47

ComfortStar®

Air Conditioning & Heating Products

Performance Capacity Ratings

COOLING PERFORMANCE DATA

OD_Model	ID_Model	Furnace	Brand	ARIREF	ID_Type	Stage	Est_Airf_low	ACHP	IshSVTC												
BAH32-18-15	CWM32-18-15		ComfortStar		A	High	650	H													
OUTDOOR DB	IWB(°F)	59					63					67					71				
	IDB (°F)	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80
85	TC ¹	16.60	16.65	16.70	16.75	16.80	17.70	17.75	17.81	17.86	17.91	18.80	18.86	18.91	18.97	19.03	20.00	20.06	20.12	20.18	20.24
	Sensible ²	13.19	14.29	15.39	16.49	16.60	10.86	11.96	13.06	14.16	15.27	8.47	9.57	10.67	11.77	12.87	6.07	7.17	8.27	9.37	10.47
	kW	1.37	1.37	1.37	1.37	1.38	1.37	1.37	1.37	1.37	1.38	1.37	1.37	1.37	1.37	1.38	1.38	1.38	1.38	1.38	1.39
90	TC ¹	16.20	16.25	16.30	16.35	16.40	17.20	17.25	17.30	17.36	17.41	18.30	18.35	18.41	18.47	18.52	19.40	19.46	19.52	19.58	19.63
	Sensible ²	12.99	14.09	15.19	16.20	16.20	10.63	11.73	12.83	13.93	15.03	8.25	9.35	10.45	11.55	12.66	5.82	6.92	8.02	9.12	10.23
	kW	1.44	1.44	1.44	1.44	1.45	1.44	1.44	1.44	1.44	1.45	1.45	1.45	1.45	1.45	1.46	1.45	1.45	1.45	1.45	1.46
95	TC ¹	15.70	15.75	15.79	15.84	15.89	16.70	16.75	16.80	16.85	16.90	17.80	17.85	17.91	17.96	18.01	18.90	18.96	19.01	19.07	19.13
	Sensible ²	12.74	13.84	14.94	15.70	15.70	10.39	11.49	12.60	13.70	14.80	8.04	9.14	10.24	11.34	12.44	5.62	6.72	7.82	8.92	10.03
	kW	1.51	1.51	1.51	1.51	1.52	1.51	1.51	1.51	1.51	1.52	1.52	1.52	1.52	1.52	1.53	1.53	1.53	1.53	1.53	1.54
100	TC ¹	15.20	15.25	15.29	15.34	15.38	16.20	16.25	16.30	16.35	16.40	17.30	17.35	17.40	17.46	17.51	18.40	18.46	18.51	18.57	18.62
	Sensible ²	12.49	13.59	14.69	15.20	15.20	10.16	11.26	12.36	13.47	14.57	7.82	8.92	10.02	11.13	12.23	5.42	6.52	7.62	8.72	9.83
	kW	1.59	1.59	1.59	1.59	1.60	1.59	1.59	1.59	1.59	1.60	1.60	1.60	1.60	1.60	1.61	1.61	1.61	1.61	1.61	1.62
105	TC ¹	14.70	14.74	14.79	14.83	14.88	15.70	15.75	15.79	15.84	15.89	16.70	16.75	16.80	16.85	16.90	17.80	17.85	17.91	17.96	18.01
	Sensible ²	12.24	13.34	14.44	14.70	14.70	9.93	11.03	12.13	13.24	14.34	7.57	8.67	9.77	10.87	11.97	5.19	6.29	7.39	8.49	9.59
	kW	1.67	1.67	1.67	1.68	1.68	1.68	1.68	1.68	1.68	1.69	1.69	1.69	1.69	1.69	1.70	1.70	1.70	1.70	1.71	1.71
115	TC ¹	13.70	13.74	13.78	13.82	13.87	14.60	14.64	14.69	14.73	14.78	15.60	15.65	15.69	15.74	15.79	16.60	16.65	16.70	16.75	16.80
	Sensible ²	11.75	12.85	13.70	13.70	13.70	9.43	10.53	11.63	12.74	13.84	7.10	8.20	9.30	10.40	11.50	4.71	5.81	6.91	8.01	9.12
	kW	1.86	1.86	1.86	1.87	1.87	1.86	1.86	1.86	1.87	1.87	1.87	1.87	1.87	1.87	1.88	1.88	1.89	1.89	1.89	1.90

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)										
	Indoor Conditions DB		5°F -15°C	10°F -12.2°C	17°F -8.3°C	20°F -6.7°C	25°F -3.9°C	32°F 0°C	35°F 1.7°C	40°F 4.4°C	47°F 8.3°C	50°F 10°C	57°F 13.9°C
CWM32-18-15 BAH32-18-15 (208-230V)	60°F (15.6°C)	TC	13.32	15.81	18.29	18.61	18.93	19.24	19.56	19.88	20.34	20.54	20.77
		Input	1.44	1.46	1.54	1.54	1.53	1.52	1.50	1.52	1.49	1.44	1.42
	65°F (18.3°C)	TC	12.94	15.35	17.76	18.07	18.38	18.68	18.99	19.30	19.75	19.94	20.17
		Input	1.48	1.50	1.57	1.57	1.56	1.56	1.54	1.56	1.52	1.48	1.45
	70°F (21.1°C)	TC	12.56	14.90	17.24	17.54	17.84	18.14	18.44	18.74	19.17	19.36	19.58
		Input	1.51	1.54	1.61	1.61	1.60	1.59	1.58	1.60	1.59	1.52	1.48
	75°F (23.9°C)	TC	12.18	14.45	16.72	17.01	17.30	17.60	17.89	18.18	18.59	18.78	18.99
		Input	1.56	1.59	1.66	1.65	1.64	1.64	1.62	1.64	1.60	1.56	1.52

ComfortStar®

Air Conditioning & Heating Products

Performance Capacity Ratings

COOLING PERFORMANCE DATA

OD_Model	ID_Model	Furnace	Brand	ARIREF	ID_Type	Stage	Est_Airf_low	ACHP	IsHSVTC																		
BAH32-24-15	CWM32-24-15		ComfortStar		A	High	650	H																			
OUTDOOR DB	IWB(°F)	59					63					67					71										
	IDB (°F)	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80						
85	TC ¹	21.90	21.97	22.03	22.10	22.16	23.30	23.37	23.44	23.51	23.58	24.70	24.77	24.85	24.92	25.00	26.20	26.28	26.36	26.44	26.52						
	Sensible ²	18.79	20.56	21.90	21.90	21.90	15.06	16.82	18.59	20.35	22.12	11.24	13.00	14.77	16.53	18.30	7.40	9.16	10.92	12.68	14.45						
	kW	1.75	1.75	1.75	1.76	1.76	1.76	1.76	1.76	1.77	1.77	1.76	1.76	1.76	1.77	1.77	1.77	1.77	1.77	1.77	1.78	1.78					
90	TC ¹	21.30	21.36	21.43	21.49	21.56	22.60	22.67	22.74	22.80	22.87	24.10	24.17	24.24	24.32	24.39	25.60	25.68	25.75	25.83	25.91						
	Sensible ²	18.50	20.27	21.30	21.30	21.30	14.74	16.51	18.27	20.04	21.80	10.99	12.75	14.52	16.28	18.05	7.17	8.93	10.69	12.45	14.22						
	kW	1.84	1.84	1.84	1.85	1.85	1.85	1.85	1.85	1.86	1.86	1.85	1.85	1.85	1.86	1.86	1.86	1.86	1.86	1.86	1.87	1.87					
95	TC ¹	20.70	20.76	20.82	20.89	20.95	22.00	22.07	22.13	22.20	22.27	23.40	23.47	23.54	23.61	23.68	24.90	24.97	25.05	25.12	25.20						
	Sensible ²	18.22	19.98	20.70	20.70	20.70	14.48	16.24	18.00	19.77	21.54	10.70	12.46	14.23	15.99	17.76	6.90	8.66	10.42	12.18	13.95						
	kW	1.93	1.93	1.93	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.97					
100	TC ¹	20.00	20.06	20.12	20.18	20.24	21.30	21.36	21.43	21.49	21.56	22.70	22.77	22.84	22.90	22.97	24.10	24.17	24.24	24.32	24.39						
	Sensible ²	17.88	19.64	20.00	20.00	20.00	14.16	15.93	17.69	19.46	21.22	10.41	12.17	13.94	15.70	17.47	6.59	8.35	10.11	11.88	13.64						
	kW	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07					
105	TC ¹	19.40	19.46	19.52	19.58	19.63	20.70	20.76	20.82	20.89	20.95	22.00	22.07	22.13	22.20	22.27	23.40	23.47	23.54	23.61	23.68						
	Sensible ²	17.60	19.36	19.40	19.40	19.40	13.90	15.66	17.42	19.19	20.70	10.12	11.88	13.65	15.41	17.18	6.32	8.08	9.84	11.61	13.37						
	kW	2.14	2.14	2.14	2.15	2.15	2.15	2.15	2.15	2.16	2.16	2.16	2.16	2.16	2.17	2.17	2.17	2.17	2.17	2.17	2.18	2.18					
115	TC ¹	18.00	18.05	18.11	18.16	18.22	19.20	19.26	19.32	19.37	19.43	20.50	20.56	20.62	20.69	20.75	21.80	21.87	21.93	22.00	22.06						
	Sensible ²	16.93	18.00	18.00	18.00	18.00	13.24	15.00	16.76	18.53	19.20	9.51	11.27	13.04	14.80	16.57	5.71	7.47	9.24	11.00	12.77						
	kW	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.09	2.09	2.09					

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)										
	Indoor Conditions DB		5°F -15°C	10°F -12.2°C	17°F -8.3°C	20°F -6.7°C	25°F -3.9°C	32°F 0°C	35°F 1.7°C	40°F 4.4°C	47°F 8.3°C	50°F 10°C	57°F 13.9°C
CWM32-24-15 BAH32-24-15 (208-230V)	60°F (15.6°C)	TC	18.17	19.01	19.85	21.12	22.40	23.67	24.94	26.21	27.55	28.82	30.10
	65°F (18.3°C)	Input	2.58	2.47	2.49	2.49	2.50	2.50	2.50	2.50	2.51	2.51	2.51
		TC	17.64	18.46	19.27	20.51	21.74	22.98	24.22	25.45	26.75	27.99	29.22
	70°F (21.1°C)	Input	2.64	2.52	2.54	2.55	2.55	2.55	2.55	2.56	2.56	2.56	2.56
		TC	17.13	17.92	18.71	19.91	21.11	22.31	23.51	24.71	25.97	27.17	28.37
	75°F (23.9°C)	Input	2.69	2.57	2.59	2.60	2.60	2.60	2.60	2.61	2.61	2.61	2.62
		TC	16.62	17.38	18.15	19.31	20.48	21.64	22.80	23.97	25.19	26.35	27.52
		Input	2.74	2.62	2.65	2.65	2.65	2.65	2.66	2.66	2.66	2.66	2.67

ComfortStar®

Air Conditioning & Heating Products

Performance Capacity Ratings

COOLING PERFORMANCE DATA

OD_Model	ID_Model	Furnace	Brand	ARIREF	ID_Type	Stage	Est_AirFlow	ACHP	IsHSVTC												
BAH32-30-15	CWM32-30-15		ComfortStar		A	High	1000	H													
OUTDOOR DB	IWB(°F)	59					63					67					71				
	IDB (°F)	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80
85	TC¹	27.20	27.28	27.36	27.45	27.53	28.90	28.99	29.07	29.16	29.25	30.70	30.79	30.88	30.98	31.07	32.60	32.70	32.80	32.89	32.99
	Sensible²	22.40	24.38	26.37	27.20	27.20	18.17	20.15	22.14	24.12	26.11	13.89	15.87	17.85	19.84	21.82	9.56	11.54	13.52	15.50	17.48
	kW	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.09	2.10	2.10	2.10	2.10	2.10	2.11	2.11	2.11
90	TC¹	27.00	27.08	27.16	27.24	27.33	28.70	28.79	28.87	28.96	29.05	30.50	30.59	30.68	30.78	30.87	32.40	32.50	32.59	32.69	32.79
	Sensible²	21.13	22.85	24.57	26.29	27.00	17.46	19.17	20.89	22.61	24.33	13.73	15.44	17.16	18.88	20.60	9.95	11.67	13.38	15.10	16.82
	kW	2.22	2.22	2.22	2.23	2.23	2.22	2.22	2.22	2.23	2.23	2.23	2.23	2.23	2.23	2.24	2.24	2.24	2.24	2.25	2.25
95	TC¹	26.30	26.38	26.46	26.54	26.62	28.00	28.08	28.17	28.25	28.34	29.70	29.79	29.88	29.97	30.06	31.60	31.69	31.79	31.89	31.98
	Sensible²	20.78	22.49	24.21	25.93	26.30	17.13	18.84	20.56	22.28	24.00	13.38	15.09	16.81	18.53	20.25	9.63	11.34	13.06	14.77	16.49
	kW	2.33	2.33	2.33	2.34	2.34	2.34	2.34	2.34	2.35	2.35	2.35	2.35	2.35	2.35	2.36	2.36	2.36	2.36	2.37	2.37
100	TC¹	25.50	25.58	25.65	25.73	25.81	27.20	27.28	27.36	27.45	27.53	28.90	28.99	29.07	29.16	29.25	30.70	30.79	30.88	30.98	31.07
	Sensible²	20.37	22.09	23.81	25.50	25.50	16.75	18.47	20.18	21.90	23.62	13.02	14.74	16.46	18.18	19.90	9.26	10.98	12.69	14.41	16.13
	kW	2.45	2.45	2.45	2.46	2.46	2.46	2.46	2.46	2.47	2.47	2.47	2.47	2.47	2.47	2.48	2.48	2.48	2.48	2.49	2.49
105	TC¹	24.70	24.77	24.85	24.92	25.00	26.40	26.48	26.56	26.64	26.72	28.00	28.08	28.17	28.25	28.34	29.80	29.89	29.98	30.07	30.16
	Sensible²	19.97	21.69	23.41	24.70	24.70	16.38	18.09	19.81	21.53	23.25	12.64	14.35	16.07	17.79	19.51	8.90	10.61	12.33	14.05	15.77
	kW	2.58	2.58	2.59	2.59	2.59	2.59	2.59	2.59	2.60	2.60	2.60	2.60	2.60	2.61	2.61	2.61	2.61	2.62	2.62	2.62
115	TC¹	23.90	23.97	24.04	24.12	24.19	25.50	25.58	25.65	25.73	25.81	27.20	27.28	27.36	27.45	27.53	28.90	28.99	29.07	29.16	29.25
	Sensible²	19.57	21.29	23.01	23.90	23.90	15.96	17.67	19.39	21.11	22.83	12.29	14.01	15.73	17.45	19.17	8.54	10.25	11.97	13.69	15.41
	kW	2.51	2.51	2.52	2.52	2.52	2.52	2.53	2.53	2.53	2.53	2.54	2.54	2.54	2.54	2.55	2.55	2.55	2.55	2.56	2.56

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)										
	Indoor Conditions DB		5°F -15°C	10°F -12.2°C	17°F -8.3°C	20°F -6.7°C	25°F -3.9°C	32°F 0°C	35°F 1.7°C	40°F 4.4°C	47°F 8.3°C	50°F 10°C	57°F 13.9°C
CWM32-30-15 BAH32-30-15 (208-230V)	60°F (15.6°C)	TC	20.97	22.66	24.35	25.98	27.62	29.25	30.88	32.52	34.24	35.87	37.50
		Input	2.82	2.73	2.67	2.64	2.60	2.58	2.54	2.55	2.60	2.54	2.48
	65°F (18.3°C)	TC	20.36	22.00	23.64	25.22	26.81	28.40	29.98	31.57	33.24	34.82	36.41
		Input	2.90	2.82	2.74	2.71	2.67	2.64	2.62	2.61	2.66	2.59	2.54
	70°F (21.1°C)	TC	19.77	21.36	22.95	24.49	26.03	27.57	29.11	30.65	32.27	33.81	35.35
		Input	2.99	2.89	2.81	2.78	2.75	2.72	2.67	2.69	2.77	2.66	2.59
	75°F (23.9°C)	TC	19.30	20.11	20.81	21.31	21.60	22.18	22.57	26.40	31.09	31.59	32.57
		Input	3.09	2.98	2.89	2.88	2.83	2.79	2.77	2.76	2.82	2.74	2.68

ComfortStar®

Air Conditioning & Heating Products

Performance Capacity Ratings

COOLING PERFORMANCE DATA

OD_Model	ID_Model	Furnace	Brand	ARIREF	ID_Type	Stage	Est_Airf_low	ACHP	IshSVTC												
BAH32-36-15	CWM32-36-15		ComfortStar		A	High	1000	H													
OUTDOOR DB	IWB(°F)	59					63					67					71				
	IDB (°F)	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80	72	74	76	78	80
85	TC ¹	32.50	32.60	32.70	32.79	32.89	34.60	34.70	34.81	34.91	35.02	36.80	36.91	37.02	37.13	37.24	39.00	39.12	39.23	39.35	39.47
	Sensible ²	27.61	30.17	32.50	32.50	32.50	22.21	24.77	27.32	29.88	32.44	16.72	19.27	21.83	24.38	26.94	11.13	13.68	16.24	18.79	21.35
	kW	2.67	2.67	2.68	2.68	2.68	2.68	2.68	2.69	2.69	2.69	2.68	2.68	2.69	2.69	2.69	2.69	2.69	2.70	2.70	2.70
90	TC ¹	31.60	31.69	31.79	31.89	31.98	33.70	33.80	33.90	34.00	34.11	35.80	35.91	36.02	36.12	36.23	38.00	38.11	38.23	38.34	38.46
	Sensible ²	27.18	29.73	31.60	31.60	31.60	21.80	24.36	26.91	29.47	32.04	16.30	18.85	21.41	23.96	26.53	10.73	13.29	15.84	18.39	20.95
	kW	2.81	2.81	2.82	2.82	2.82	2.82	2.82	2.83	2.83	2.83	2.83	2.83	2.84	2.84	2.84	2.84	2.84	2.85	2.85	2.85
95	TC ¹	30.70	30.79	30.88	30.98	31.07	32.70	32.80	32.90	33.00	33.09	34.80	34.90	35.01	35.11	35.22	37.00	37.11	37.22	37.33	37.45
	Sensible ²	26.74	29.30	30.70	30.70	30.70	21.35	23.90	26.46	29.02	31.58	15.88	18.43	20.99	23.55	26.11	10.35	12.90	15.45	18.01	20.57
	kW	2.95	2.95	2.96	2.96	2.96	2.96	2.96	2.97	2.97	2.97	2.97	2.97	2.98	2.98	2.98	2.99	2.99	3.00	3.00	3.00
100	TC ¹	29.80	29.89	29.98	30.07	30.16	31.70	31.80	31.89	31.99	32.08	33.80	33.90	34.00	34.11	34.21	35.90	36.01	36.12	36.22	36.33
	Sensible ²	26.31	28.87	29.80	29.80	29.80	20.90	23.46	26.02	28.58	31.14	15.46	18.02	20.57	23.13	25.69	9.92	12.47	15.03	17.59	20.15
	kW	3.10	3.10	3.11	3.11	3.11	3.11	3.11	3.12	3.12	3.12	3.13	3.13	3.14	3.14	3.14	3.15	3.15	3.16	3.16	3.16
105	TC ¹	28.80	28.89	28.97	29.06	29.15	30.70	30.79	30.88	30.98	31.07	32.70	32.80	32.90	33.00	33.09	34.80	34.90	35.01	35.11	35.22
	Sensible ²	25.83	28.39	28.80	28.80	28.80	20.46	23.01	25.57	28.13	30.69	15.01	17.56	20.12	22.68	25.24	9.50	12.05	14.61	17.16	19.72
	kW	3.09	3.09	3.10	3.10	3.10	3.11	3.11	3.11	3.12	3.12	3.12	3.12	3.13	3.13	3.13	3.14	3.14	3.14	3.15	3.15
115	TC ¹	26.70	26.78	26.86	26.94	27.02	28.50	28.59	28.67	28.76	28.84	30.40	30.49	30.58	30.67	30.77	32.40	32.50	32.59	32.69	32.79
	Sensible ²	24.84	26.70	26.70	26.70	26.70	19.48	22.04	24.60	27.16	28.50	14.06	16.62	19.18	21.74	24.30	8.58	11.13	13.69	16.25	18.81
	kW	2.98	2.99	2.99	2.99	2.99	3.00	3.00	3.00	3.01	3.01	3.01	3.01	3.02	3.02	3.02	3.02	3.03	3.03	3.03	3.04

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)										
	Indoor Conditions DB		5°F -15°C	10°F -12.2°C	17°F -8.3°C	20°F -6.7°C	25°F -3.9°C	32°F 0°C	35°F 1.7°C	40°F 4.4°C	47°F 8.3°C	50°F 10°C	57°F 13.9°C
CWM32-36-15 BAH32-36-15 (208-230V)	60°F (15.6°C)	TC	27.04	29.37	31.69	32.83	33.98	35.13	36.27	37.42	38.34	39.49	40.63
		Input	3.41	3.38	3.34	3.31	3.28	3.25	3.21	3.18	3.15	3.21	3.28
	65°F (18.3°C)	TC	26.25	28.51	30.77	31.88	32.99	34.10	35.22	36.33	37.22	38.34	39.45
		Input	3.48	3.45	3.41	3.38	3.34	3.31	3.28	3.25	3.21	3.28	3.34
	70°F (21.1°C)	TC	25.49	27.68	29.87	30.95	32.03	33.11	34.19	35.27	36.14	37.22	38.30
		Input	3.55	3.52	3.48	3.45	3.41	3.38	3.35	3.31	3.28	3.35	3.41
	75°F (23.9°C)	TC	24.73	26.85	28.97	30.02	31.07	32.12	33.16	34.21	35.06	36.10	37.15
		Input	3.62	3.59	3.55	3.52	3.48	3.45	3.41	3.38	3.35	3.41	3.48