

MODEL SAHH-W

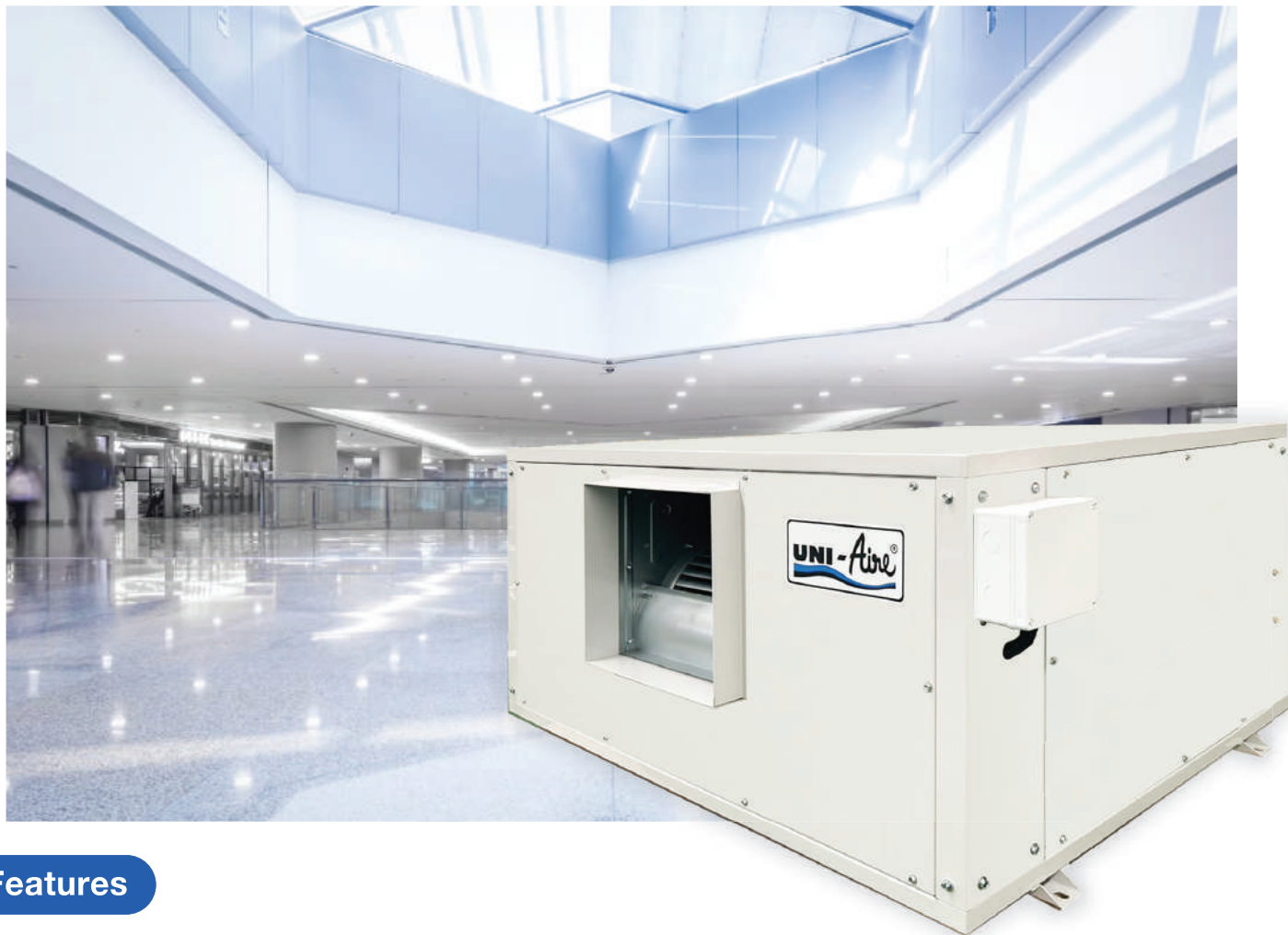
AIR HANDLING UNIT

CHILLED WATER FAN COIL UNIT

AIR QUANTITY FROM 2,600 TO 26,600 CFM.

COOLING CAPACITY FROM 80,000 TO 800,000 BTUH

HIGH EXTERNAL STATIC PRESSURE

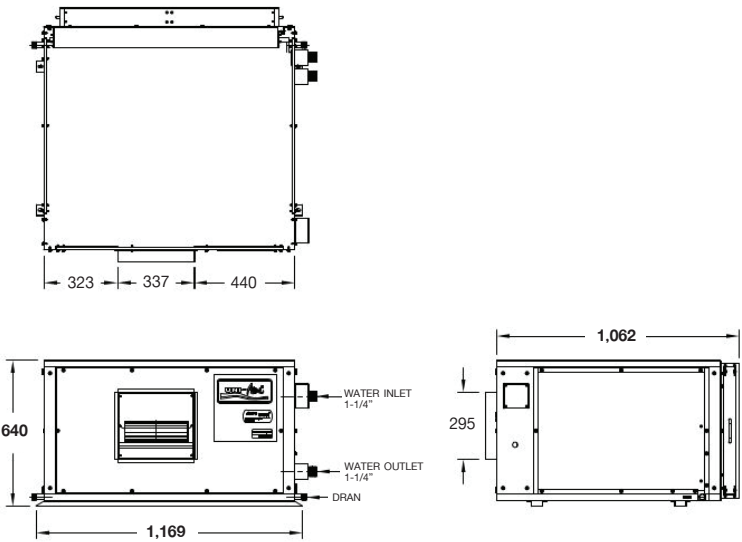


Features

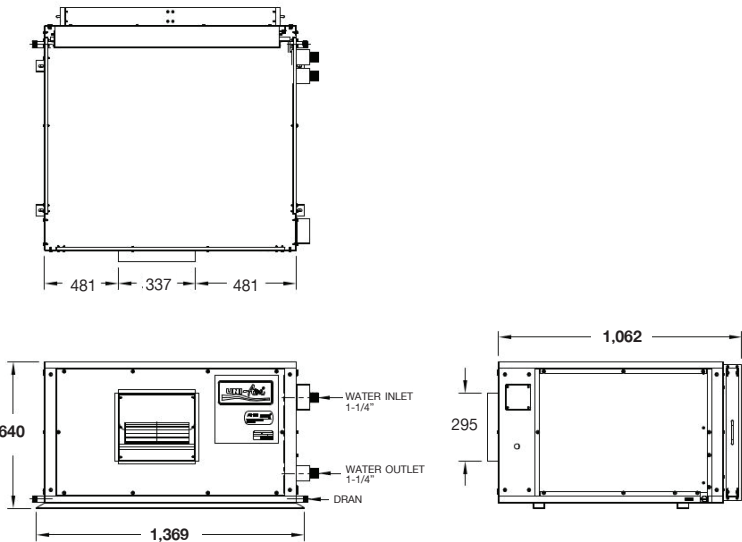
- **Compact Size:** Small footprint requires minimal installation space
- **Easy to Install:** Terminal block is located outside for easier wiring connection
- **Easy Maintenance Filter:** Filter is located outside the casing for easier removal and cleaning



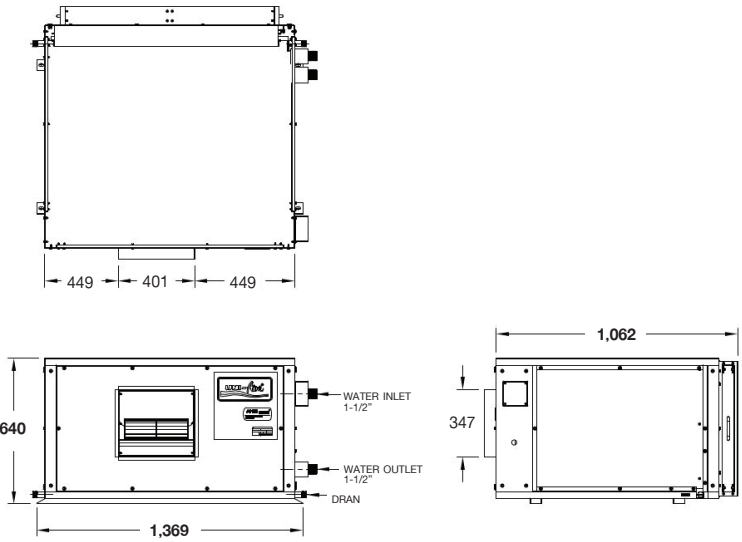
Air Conditioning Experts



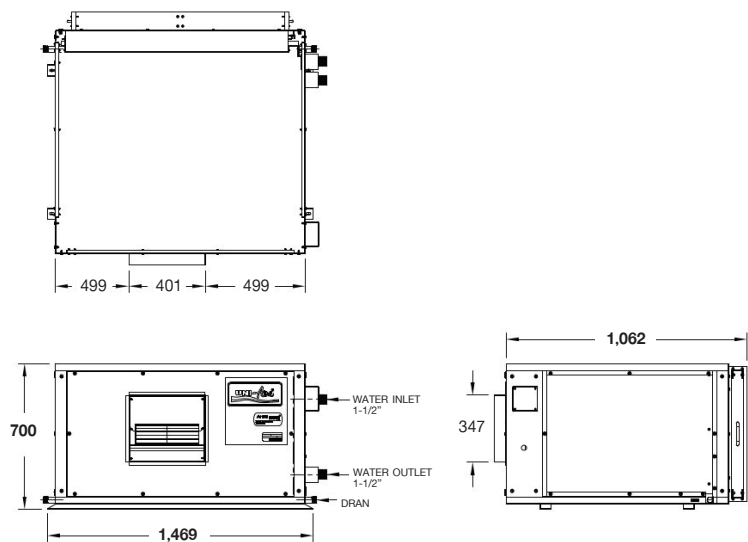
MODEL : SAHH-008W



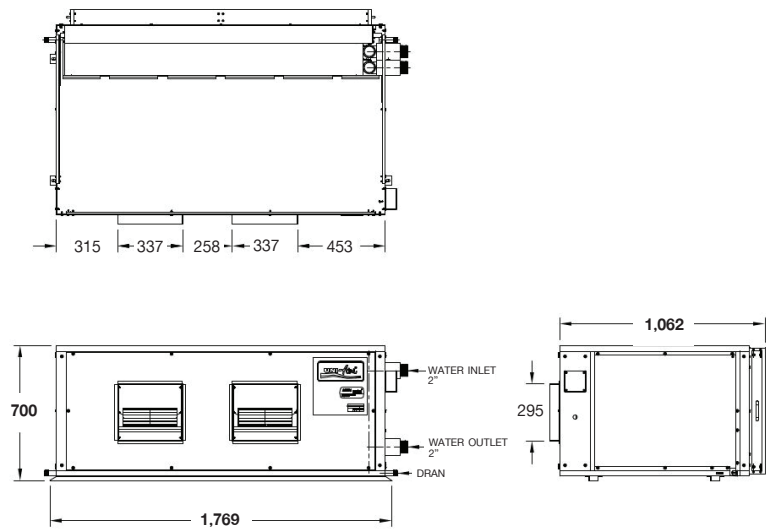
MODEL : SAHH-009W



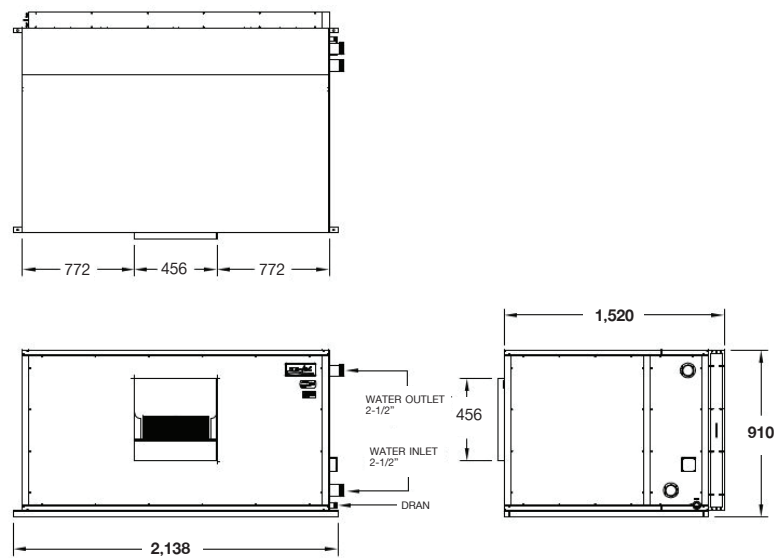
MODEL : SAHH-010W



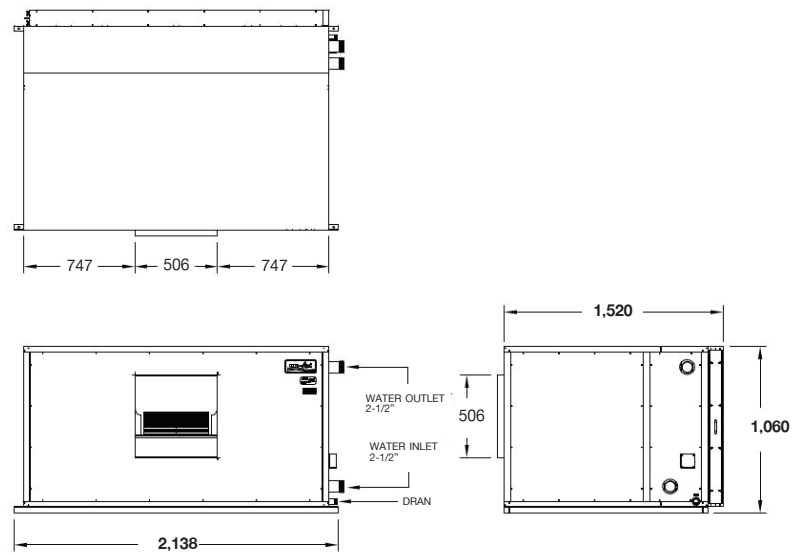
MODEL : SAHH-012W



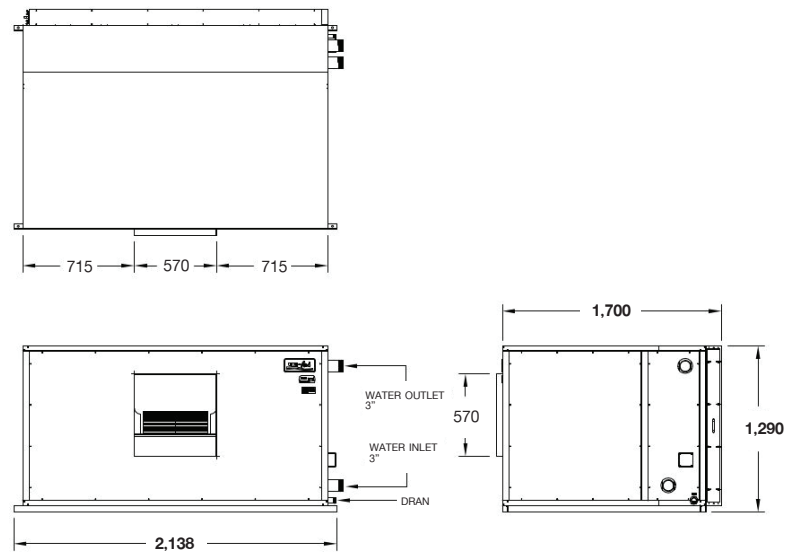
MODEL : SAHH-015W



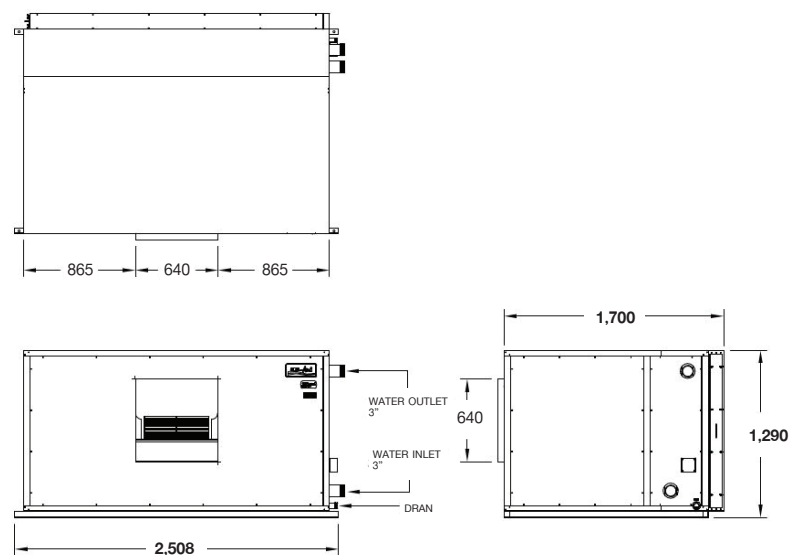
MODEL : SAHH-020W



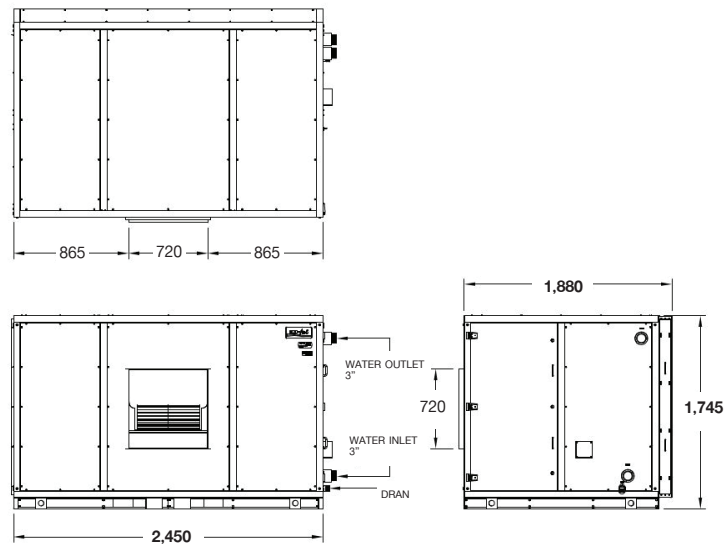
MODEL : SAHH-025W



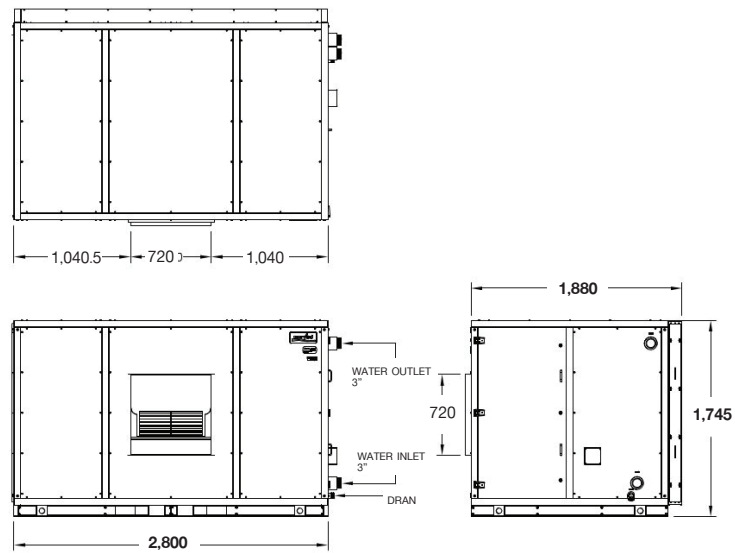
MODEL : SAHH-030W



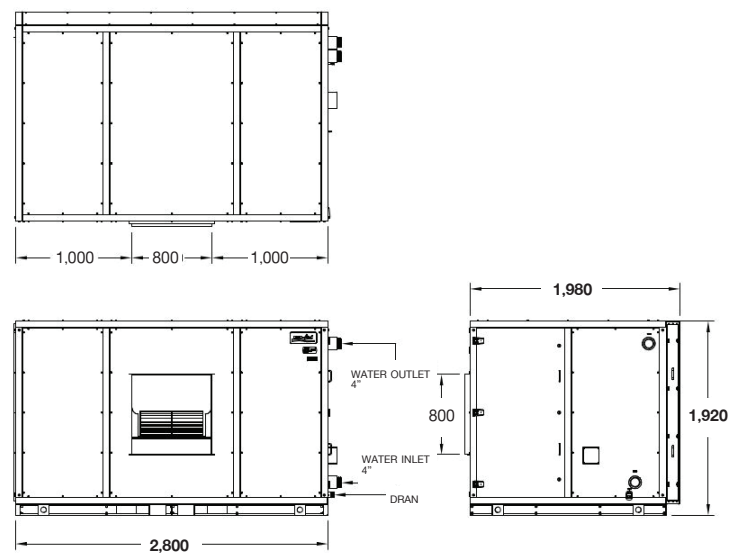
MODEL : SAHH-040W



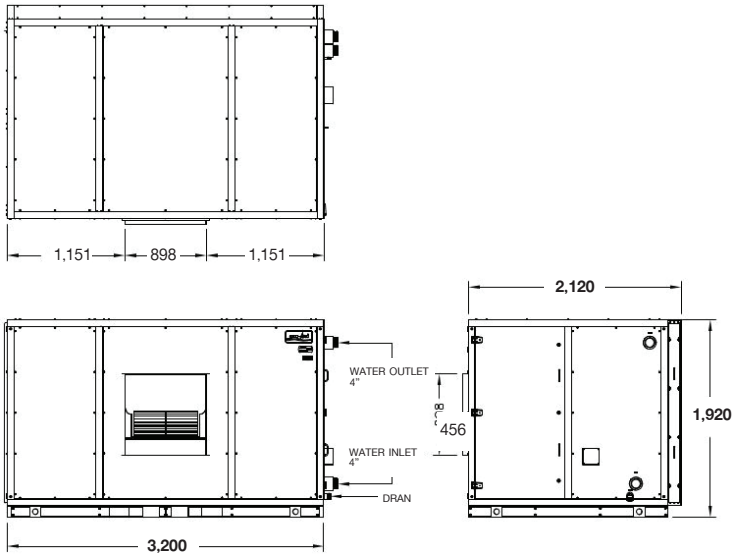
MODEL : SAHH-050W



MODEL : SAHH-060W



MODEL : SAHH-070W



MODEL : SAHH-080W

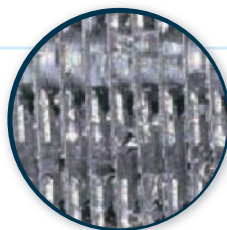
Model	Entering Chilled Water Temp. °F	Entering Air Temp.(° F db/°F wb)															
		76/63				78/65				80/67				82/69			
		Total Capacity (BTUH)	Sensible Capacity (BTUH)	Chilled Water Flow rate (GPM)	Water Pressure Drop (ft.wg)	Total Capacity (BTUH)	Sensible Capacity (BTUH)	Chilled Water Flow rate (GPM)	Water Pressure Drop (ft.wg)	Total Capacity (BTUH)	Sensible Capacity (BTUH)	Chilled Water Flow rate (GPM)	Water Pressure Drop (ft.wg)	Total Capacity (BTUH)	Sensible Capacity (BTUH)	Chilled Water Flow rate (GPM)	Water Pressure Drop (ft.wg)
SAHH-008W	40	58,700	46,700	11.74	4.05	70,800	51,600	14.16	5.63	84,400	57,000	16.88	7.67	88,300	62,000	17.66	10.04
	45	56,000	47,100	11.20	7.53	68,100	51,900	13.62	10.66	81,100	56,800	16.22	14.50	94,500	61,300	18.90	18.91
	50	52,200	48,200	10.44	22.35	63,200	51,700	12.64	31.40	75,700	56,000	15.14	43.00	88,700	60,200	17.74	56.79
SAHH-009W	40	66,600	53,200	13.32	3.78	79,500	58,100	15.90	5.16	94,900	64,400	18.98	7.06	110,800	70,100	22.16	9.27
	45	63,700	53,900	12.74	7.10	76,800	58,800	15.36	9.86	91,600	64,400	18.32	13.45	106,800	69,500	21.36	17.58
	50	59,600	55,300	11.92	21.11	71,700	58,900	14.34	29.30	85,800	63,800	17.16	40.18	100,700	68,500	20.14	53.13
SAHH-010W	40	74,700	59,400	14.94	5.00	90,700	66,000	18.14	7.05	107,700	72,700	21.54	9.53	124,900	78,700	24.98	12.35
	45	70,900	59,700	14.18	9.22	86,500	65,900	17.30	13.09	102,700	71,900	20.54	17.74	119,400	77,500	23.88	23.09
	50	65,900	60,900	13.18	27.21	79,800	65,300	15.96	38.18	95,400	70,700	19.08	52.20	111,700	75,900	22.34	68.85
SAHH-012W	40	9,500	71,900	18.10	4.56	109,700	79,800	21.94	6.40	130,200	87,900	26.04	8.64	151,300	95,400	30.26	11.27
	45	86,000	72,400	17.20	8.42	104,800	79,800	20.96	11.95	124,600	87,200	24.92	16.21	144,900	94,100	28.98	21.12
	50	80,000	74,000	16.00	24.91	96,900	79,300	19.38	34.96	115,900	85,900	23.18	47.83	135,700	92,200	27.14	63.12
SAHH-015W	40	122,800	96,000	24.56	6.31	149,800	107,400	29.96	8.94	176,400	117,600	35.28	11.93	203,800	127,200	40.76	15.41
	45	115,300	95,500	23.06	11.43	140,800	105,700	28.16	16.28	166,200	115,000	33.24	21.74	192,600	123,800	38.52	28.14
	50	103,500	94,300	20.70	31.79	127,800	103,300	25.56	45.96	152,400	111,700	30.48	62.56	178,100	119,800	35.62	82.68
SAHH-020W	40	157,300	123,600	31.46	4.24	193,600	139,300	38.72	6.10	229,300	153,200	45.86	8.22	265,600	166,000	53.12	10.63
	45	149,800	124,500	29.96	7.88	183,800	138,300	36.76	11.26	217,900	150,900	43.58	15.20	253,000	162,700	50.60	19.75
	50	136,600	124,600	27.32	22.42	168,500	136,200	33.70	32.47	201,200	147,500	40.24	44.32	235,400	158,300	47.08	58.38
SAHH-025W	40	192,000	152,600	38.40	4.08	235,100	172,000	47.02	5.83	279,200	187,500	55.84	7.89	323,900	203,300	64.78	10.23
	45	182,200	155,200	36.44	7.52	224,300	169,800	44.86	10.85	266,300	185,500	53.26	14.69	309,700	200,100	61.94	19.12
	50	169,100	185,600	33.82	22.13	206,700	168,100	41.34	31.57	247,100	182,100	49.42	43.15	289,300	195,400	57.86	56.91
SAHH-030W	40	235,600	186,900	47.12	4.57	289,700	208,900	57.94	6.58	343,100	229,700	68.60	8.86	397,300	248,800	79.46	11.45
	45	224,200	187,800	44.84	8.49	274,900	207,400	54.98	12.13	325,900	226,300	65.18	16.37	378,400	243,900	75.68	21.27
	50	205,200	242,400	41.04	24.32	252,100	204,400	50.42	34.98	301,100	221,300	60.22	47.75	352,300	237,500	70.46	62.91
SAHH-040W	40	306,300	243,600	61.26	4.25	374,500	271,400	74.90	6.06	444,400	298,800	88.88	8.20	515,500	323,900	103.10	10.62
	45	290,600	248,000	58.12	7.86	356,900	270,600	71.38	11.26	423,800	295,500	84.76	15.24	492,000	318,700	98.52	19.84
	50	269,700	306,200	53.94	23.05	328,800	267,900	65.76	32.75	393,100	290,100	78.62	44.77	460,200	211,400	92.04	59.04
SAHH-050W	40	388,200	308,400	77.64	4.61	477,400	344,700	95.48	6.63	565,200	379,000	113.04	8.93	654,600	410,400	130.92	11.54
	45	369,400	310,800	73.88	8.56	453,000	342,300	90.60	12.22	537,000	373,500	107.40	16.50	623,700	402,500	124.74	21.44
	50	339,100	356,200	67.82	24.62	415,500	337,600	83.10	35.28	496,300	365,400	99.26	48.17	580,800	392,100	116.16	63.47
SAHH-060W	40	446,300	359,200	89.26	3.40	531,100	388,500	106.22	4.63	632,100	428,700	126.42	6.29	735,000	465,600	147.14	8.22
	45	425,200	359,700	85.04	6.34	510,100	390,600	102.02	8.73	606,800	426,900	121.36	11.87	706,200	460,400	141.24	15.48
	50	396,100	368,100	79.22	18.76	472,900	389,500	94.58	25.70	565,800	421,700	113.16	35.18	663,000	452,400	132.60	46.45
SAHH-070W	40	516,200	412,500	103.24	3.59	612,100	488,600	122.42	4.85	728,300	494,800	145.66	6.59	847,600	537,300	169.52	8.62
	45	491,700	416,800	98.34	6.69	58,7700	451,000	117.54	9.15	699,100	492,800	139.82	12.44	813,700	531,500	162.74	16.22
	50	458,200	426,900	91.64	19.79	545,000	450,000	109.00	26.95	652,200	487,200	130.44	36.90	764,100	522,500	152.82	48.72
SAHH-080W	40	594,400	474,100	118.88	3.61	709,700	518,900	141.94	4.95	842,500	571,200	168.50	6.68	979,700	620,000	195.94	8.72
	45	565,500	478,300	113.10	6.71	679,000	519,900	135.80	9.26	807,200	567,900	161.44	12.57	939,100	612,300	187.82	16.37
	50	526,300	489,200	105.26	19.82	628,400	517,700	125.68	27.15	751,700	560,300	150.34	37.15	880,500	601,000	176.10	49.03

SPECIFICATIONS, STANDARD ACCESSORIES



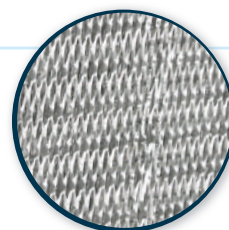
Blower

Fans are designed with forward curved impellers. The drive is a belt driven type; it is adaptable to high static pressure with maximum airflow. All drive components are factory-lubricated and dynamically balanced.



Cooling Coil

The cooling coil is Aluminum fin with copper tubes that makes high heat transfer efficiency



Filter

Washable 1" aluminum filter or optional special filters, such as synthetic filters.

SPECIFICATION MODEL : SAHH-W (CHILLED WATER COIL)

MODEL	SAHH-W	008W	009W	010W	012W	015W	020W	025W	030W	040W	050W	060W	070W	080W
Nominal Cooling Capacity	BTU/Hr	80,000	90,000	100,000	120,000	150,000	200,000	250,000	300,000	400,000	500,000	600,000	700,000	800,000
	RT.	6.67	7.50	8.33	10.00	12.50	16.67	20.83	25.00	33.33	41.67	50.00	58.33	66.67
Power Consumption	kW.	1.35	1.81	2.61	4.62	6.27	8.46	12.25	16.56					
Power Supply	Volt/Phase/Hz	380/3/50												
Air Flow Rate (Nominal)	CFM	2,600	3,000	3,300	4,000	5,000	6,600	8,300	10,000	13,300	16,600	20,000	23,300	26,600
Air Flow Rate (Range)	CFM	2,100-3,100	2,500-3,500	2,800-3,800	3,500-4,500	4,000-6,000	5,100-8,100	6,300-10,300	8,000-12,000	11,300-15,300	13,600-19,600	17,000-23,000	20,300-26,300	23,600-29,600
External Static Pressure	in.wg	1.00												
Blower	Type	Centrifugal Fan with Belt Drive												
	Quantity (PCS.)	1			2		1							
Motor	Power Input (kW)	1.35	1.81	2.61	4.62	6.27	8.46	12.25	16.56					
	Rate Current (Amp.)	2.74	3.67	4.90	8.56	11.60	15.40	21.90	29.20					
	Quantity (PCS.)	1												
Evaporator Coil	Type	Aluminium Corrugated Fin with Plain Copper Tube (1 / 2")												
	Row/Fin	4/12												
Water Flow Rate	GPM	16	18	20	24	30	40	50	60	80	100	120	140	160
Water Temp. In/Out	(°F)	55/45												
Water Conn. In/Out	Inch.	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"							
Air Filter	Type	Washable Aluminium Filter												
Drain Connection	Inch (OD)	3 / 4"					1"		1-1 / 4"		1-1 / 2"			
Weight	kgs.	139	154	164	184	244	396	467	525	653	724	789	862	946
Dimension (W x D x H)	(mm.)	1,100x1,062x 640	1,300 x 1,062 x640		1,400 x 1,062 x 700	1,700 x 1,062 x 700	2,000 x 1,520 x 960	2,000 x 1,520 x 1,110	2,000 x 1,700 x 1,290	2,370 x 1,700 x 1,290	2,450 x 1,880 x 1,745	2,800 x 1,880 x 1,745	2,800 x 1,980 x 1,920	3,200 x 2,120 x 1,920



ISO 9001
ISO 14001
ISO 45001
ISO 14064-1



ISO/IEC17025



TIS.2134
TIS.1529



TIS 17025



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TRUSTED QUALITY



TLS.8001



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PRIME MINISTER'S AWARD



BEST THAI BRAND



BEST EXPORTER



GREEN INNOVATION

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